





# **5.1.3 Awareness of trends in technology**

# Academic Year 2021-22



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

COLLEGE: Rajalakshmi Nagar, Thandalam, Chennai - 602 105, India. Ph.: 044-67181111, 67181112 Email: admin@rajalakshmi.edu.in CITY OFFICE: 69, New Avadi Road, Kilpauk, Chennai - 600 010, India. Ph.: 044-26442472, 26461316 Fax: 044-26445151 Email: cityoffice@rajalakshmi.edu.in www.rajalakshmi.org

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Name of the capability enhancement program	Date of implementation (DD- MM-YYYY)	Number of students enrolled	Link to Document
Rocket Science and Structures	09.04.2022	50	View Document
Application of CFD in Vehicle Aerodynamics	27-11-2021	34	View Document
Fuel cell Technology	19-03-2022	108	View Document
Brain Awareness Week - 2022	17-03-2022	293	View Document
Application of AI/ML in BioTechnology	26-12-2021	58	View Document
Recent Updates in Covid-19 Drug Design	28.01.2022	139	View Document
Eco-friendly Sustainable Special Concrete	29-01-2022	73	View Document
Advancements in special concrete	08-04-2022 to 09-04- 2022	36	View Document
Thermal Management of Electronics	07-04-2022	76	View Document
Waste to value added materials	09-05-2022 to 13-05- 2022	76	View Document
A Walkthrough in Data Science	21-05-2022	56	View Document
Autonomous Systems	12-11-2021	56	View Document
The Role of NGOs in Nation Building	17-02-2022	59	View Document
Recent developments and ndustrial applications of Non – lestructive testing	10-06-2021	89	View Document
Challenges to India's Energy Security	28/9/2021	94	View Document
Robotics and Factory	19-10-2021	60	View



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Automation using CIROS Software			Document
Mechatronics Engineering Future Scope: Higher Education & Industry	23-09-2021	60	View Document
Web Application Architecture	28-05-2022	107	View Document
Insight into matlab programs in digital image processing	27-12-2021	60	View Document
Trends and opportunities in cloud computing	13-05-2022	223	View Document
Bulding a Career with Data Science	12-01-2022	80	View Document
Emerging trends in Microcontroller Industry	28-04-2022	100	View Document
Fulbright-Nehru Specialist Program Guest Lecture series on MEMS and Microfluidics	29-03-2022	114	View Document
Sustainable Employee Interest	28-04-2022	106	View Document
Operation Management and Process development	17-05-2022	102	View Document
Panel Discussion on Sustainable Business Practices in New Normal	09-07-2022	105	View Document
Cybersecurity workshop - Learn in a week	23.02.2022	55	View Document
HCL sunshine certification	22-11-2021	59	View Document
Ergonomics-webinar	23.12.2021	201	View Document



J. D. Henry



#### **RAJALAKSHMI ENGINEERING COLLEGE**

**Department of Aeronautical Engineering** 

Guest Lecture on "Rocket Science and Structures"

Sl. No.	Details
1	Brochure
2	Communication with Speakers
3	Speaker Profile
4	List of Participants
5	Program Schedule
6	Attendance
7	Photographs
8	Feedback from the Participants
9	Event Report





#### RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF AERONAUTICAL ENGINEERING

08.04.2022

#### Submitted to the Principal

It is proposed to conduct a Guest Lecture on "Rocket Science and Structures" on 09<sup>th</sup> April 2022. Ms. Nisha R, Technical Analyst, Aginkul Cosmos Pvt. Ltd, IIT Research Park, Chennai has accepted our request to act as a resource person for this guest lecture. This Guest lecture will be useful for our Aeronautical Engineering students.

**Dr. Surendra Bogadi**, Associate Professor, Department of Aeronautical Engineering acted as co-ordinator for this Guest Lecture.

da' **HOD/Aeronautical** 

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Brochure



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**Expert Profile** 



Name: Ms. Nisha R, Educational Qualification: B.E.,(Aeronautical Engineering)

Current Position: Technical Analyst, Aginkul Cosmos Pvt. Ltd, IIT Research Park, Chennai

#### Work Experience:

Built an analytical procedure for estimating the vehicle vibrations using CFD, MatLAB coding

Reduced the stress on the vehicle structures by introducing depressurization using MatLAB coding.

\* Validated CFD code using Wind tunnel experiments at NAL (National Aerospace Laboratories).

\* Laying an end to end system for onboard sensors.\* Built an analytical procedure for estimating the vehicle vibrations using CFD, MatLAB coding and FEM. \* Reduced the stress on the vehicle structures by introducing depressurization using MatLAB coding. \* Validated CFD code using Wind tunnel experiments at NAL (National Aerospace Laboratories). \* Laying an end to end system for onboard sensors.

#### Areas of Expertise:

J. D. Hungon

- Propulsion System Design
- Heat Transfer



# List of Participants

Sl.No.	Reg.No.	NAME	
1	190101001	AHAMED HALITH S S	
2	190101002	AJITH VINCE V	
3	190101003	ARUNPRIYAN B	
4	190101004	ASHWIN BALAJI	
5	190101005	BHUVAN GOWSHIK J	
6	190101006	DEVADHARSHAN A	
7	190101007	DILLIBABU S	
8	190101008	DIVYADARSHINI V	
9	190101009	DURGADEVI M	
10	190101010	GAJENDRARAM T N	
11	190101011	GOKUL M	
12	190101012	GOKUL V	H
13	190101013	HARESH S	
14	190101014	HARIPRIYA K	
15	190101015	IBRAHIM R	
16	190101016	JAGADEESWARAN K	
17	190101017	KAREDLA SATYASREE	
18	190101018	KAVIN PRASAD K	
19	190101019	LAVANYA A	
20	190101020	LOGANATHAN D	
21	190101021	LOKESH KUMAR G	
22	190101022	LOKESH SHARMA S	
23	190101023	MAHALAKSHMI K	3. D. Hunger
24	190101024	MAHESHWAR E M	PRINCIPAL
25	190101025	MATHISHWAR J	RAJALAKSHMI ENGINEERING COLLEG
26	190101026	MOHAN RAJ K	AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.
27	190101027	NANDHAKUMAR C	
28	190101028	NAVEENKUMAR G	AN AN AUTOMOUS

29	190101029	POOJA R
30	190101030	PRIYANKA V
31	190101031	RAKSHITH C
32	190101032	ROHIT SANJAY G
33	190101033	SABARI IYYAPPAN T
34	190101034	SAI AJAY R
35	190101035	SAKTHIVEL R
36	190101036	SAM SUNDHAR S
37	190101037	SAMUNDEESWARI S
38	190101038	SELVARANI M
39	190101039	SHAKSHI C MEHTA
40	190101040	SIDDARTH K
41	190101041	SIVA SAKTHI M
42	190101042	SURIYAPRAKASH M V
43	190101043	SWATHIGA DEVI C
44	190101044	THANGARAJ M
45	190101045	UDHAYA KUMAR V
46	190101046	VENKATESH K L
47	190101047	YASHWANTH P L
48	190101048	Samuel.A
49	190101501	Satheesh Ponraj L/E
50	190101502	Rohith kumar L/E



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#### **Program Schedule**

Title of the Guest Lecture: "**Rocket Science and Structures**" Date & Time: 09<sup>th</sup> April 2022 @ 02:30 p.m. Venue: Smart Classroom, Aero Department (C103), REC. Expert speaker: Ms. Nisha R,

Technical Analyst,

Aginkul Cosmos Pvt. Ltd,

IIT Research Park, Chennai





# Attendance

SI.No. Reg.No.		NAME	Attendance Status	
1	190101001	AHAMED HALITH S S	Р	
2	190101002	AJITH VINCE V	Р	
3	190101003	ARUNPRIYAN B	Р	
4	190101004	ASHWIN BALAJI	Р	
5	190101005	BHUVAN GOWSHIK J	Р	
6	190101006	DEVADHARSHAN A	Р	
7	190101007	DILLIBABU S	Р	
8	190101008	DIVYADARSHINI V	Р	
9	190101009	DURGADEVI M	Р	
10	190101010	GAJENDRARAM T N	Р	
11	190101011	GOKUL M	Р	
12	190101012	GOKUL V	Р	
13	190101013	HARESH S	Р	
14	190101014	HARIPRIYA K	Р	
15	190101015	IBRAHIM R	Р	
16	190101016	JAGADEESWARAN K	Р	
17	190101017	KAREDLA SATYASREE	Р	
18	190101018	KAVIN PRASAD K P		
19	190101019	LAVANYA A	Р	
20	190101020	LOGANATHAN D	Р	
21	190101021	LOKESH KUMAR G P		
22	190101022	LOKESH SHARMA S	Р	
23	190101023	MAHALAKSHMI K	Р	
24	190101024	MAHESHWAR E M P		
25	190101025	MATHISHWAR J	Ρ	
26	190101026	MOHAN RAJ K	Р	
27	190101027	NANDHAKUMAR C	Р	
28	190101028	NAVEENKUMAR G	Р	
29	190101029	POOJA R	Р	
30	190101030	PRIYANKA V	Р	
31	190101031	RAKSHITH C	PRIALAKS	
32	190101032	ROHIT SANJAY G	P AN A	
33	190101033	SABARI IYYAPPAN T	P TH	
34	190101034	SAI AJAY R	Р	
35	190101035	SAKTHIVEL R	Р	
36	190101036	SAM SUNDHAR S	Р	
37	190101037	SAMUNDEESWARI S	Р	
38	190101038	SELVARANI M	Р	



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39	190101039	SHAKSHI C MEHTA	Р
40	190101040	SIDDARTH K	Р
41	190101041	SIVA SAKTHI M	Р
42	190101042	SURIYAPRAKASH M V	Р
43	190101043	SWATHIGA DEVI C	Р
44	190101044	THANGARAJ M	Р
45	190101045	UDHAYA KUMAR V	P
46	190101046	VENKATESH K L	Р
47	190101047	YASHWANTH P L	Р
48	190101048	Samuel.A	Р
49	190101501	Satheesh Ponraj L/E	Р
50	190101502	Rohith kumar L/E	Р

D.L.YZ EF (Coordinator)

J. W. Hump



#### **Photographs:**



Ms.Nisha. R, Technical Analyst, Aginkul Cosmos Pvt. Ltd, IIT Research Park, Chennai, Delivering Lecture



Ms.Nisha.R, Delivering Lecture



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Ms.Nisha. R, Technical Analyst, Aginkul Cosmos Pvt. Ltd, IIT Research Park, Chennai, Delivering Lecture

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#### Feedback from the Participants

Rajalakshmi Engineering College

Department Of Aeronautical Engineering

Feedback Form

Name of the Participant (Optional)

**Guest Lecture Title** 

Speaker Name

: MOHAN RAJ. K : Rocket Science & structures : Ms. Nisha. R

S.No	Description	1 (Poor)	2 (Average)	3 (Good)	4 (Very Good)	5 (Excellent)
1.	Overall Organization				~	
2.	Seminar Content				1	
3.	Interaction of Speaker					$\checkmark$
4.	Conceptual Understanding				1	
5.	On average how would you rate the lecture					1
Any ot	her suggestions/comments?			~		N.

10 Signature of the participant

J. L. Lupz



Rajalakshml Engineering College

Department Of Aeronautical Engineering

#### Feedback Form

Name of the Participant (Optional)	: Siddarth. K
Guest Lecture Title	: Rocket Science & Structures
Speaker Name	: M.S. Nisha. R_

anization				1	
Intent	-				
				1.	
of Speaker				1	
Understanding				1	
how would you rate the					1
	of Speaker I Understanding how would you rate the ms/comments?	l Understanding	I Understanding	I Understanding	I Understanding

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Signature of the participant

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	Raja	lakshmi Eng	ineering College,	Chennai- 602	105	
		Department	t of Aeronautical	Engineering		
	Event Na	ne: Guest Le	ecture on Rocket	Science and St	ructures	
		Su	mmary of Feedba	ick		
		D	ate: 09 <sup>th</sup> April 202	22		
		Tota	I Sample Strengtl	h: 50		
Q.No	Questionnaire	Poor	Average	Good	Very Good	Excellent
Q1	Overall Organization	0	0	10	15	25
Q2	Seminar Content	0	0	10	15	25
Q3	Interaction of Speaker	0	0	15	15	20
Q4	Conceptual Understanding	0	0	10	5	35
Q5	On average how would you rate the lecture	0	0	10	10	30







#### Summary of the Guest Lecture

The objective of organizing this guest lecture is to create awareness among the student about Rocket science and Structures. The Lecture aims to provide a platform to discuss the latest trends and ongoing research and share/disseminate knowledge, thereby popularizing the subject amongst budding engineers and scientists.

The event coordinator Dr. Surendra Bogadi supported all arrangements, and the program started at 02:30 p.m. Dr. Suresh Chandra Khandai, Professor & Head of Aeronautical Engineering presented a brief introduction of the guest lecture and expert. Then followed by Ms. Nisha. K. She delivered her lecture and shared her knowledge of Rocket Science. Students actively participated in the entire program.

#### **Outcome:**

- The students had better understanding of Rocket dynamics and internal ballistics
- Motivated to design and develop small scale rockets.
- Had better insights on Matlab Programming.
- Guest lecture went inspiring and students got idea about internships and job opportunities in the Aerospace start-up Sector.

Coordinator

HOD/Aero





#### **RAJALAKSHMI ENGINEERING COLLEGE**

#### **Department of Aeronautical Engineering**

#### Guest Lecture on "APPLICATION OF CFD IN VEHICLE AERODYNAMICS"

SI. No.	Details
1	Brochure
2	Communication with Speakers
3	Speaker Profile
4	List of Participants
5	Program Schedule
6	Attendance
7	Photographs
8	Feedback from the Participants
9	Presentation Slides/Materials (if available)
10	Event Report

J. W. Hungton



#### RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF AERONAUTICAL ENGINEERING

26.11.2021

#### Submitted to the Principal

It is proposed to conduct a Webinar on "APPLICATION OF CFD IN VEHICLE AERODYNAMICS" on 27<sup>th</sup> November 2021. Mr.Avinash Chandra, Senior CAE Specialist, Whirlpool Corporation,Pune, Maharastra, India has accepted our request to act as a resource person for this webinar. This Webinar will be useful for our Aeronautical Engineering students.

**Vasthadu Vasu Kannah.D.L**, Assistant Professor, Department of Aeronautical Engineering acted as co-ordinator for this Guest Lecture.

**HOD/Aeronautical** 

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Webinar Brochure



S.U. Mupos



#### **Expert Communication**



Vasthadu Vasu Kannah DL <vasthaduvasukannah,di@rajajakahmi.edu.in>

# **Meeting link-Reg**

2 messages

Vasthadu Vasu Kannah DL <vasthaduvasukannah.dl@rajalakshmi.edu.in> To: Avinash Chandra <avinashchandra11@gmail.com>

Fri, Nov 26, 2021 at 5:22 PM

#### Respected sir,

Thank you for accepting our invitation, We look forward to hear from you, Please find below the meeting link and request you to log in ahead of schedule for test Check, Thank you once again and its pleasure to have you as guest speaker. Hope your talk will enlighten the young minds,

Meeting link:-https://meet.google.com/vmv-natik-zej Time : 2:00p.m to 3:00 pm Date:27-11-21

Thank you,

On Thu, Nov 25, 2021, 9:19 PM Avinash Chandra <avinashchandra11@gmail.com> wrote: Hello Prof, Vasu,

Please have a look at the attached ppt, there are some minor changes I need to do

Regards, Avinash Chandra

7. N. Mun



#### **Expert Profile**

#### Pune, Maharashtra +91-8123613389 (Mobile)

www.linkedin.com/in/avinash-

chandra-avr (Linkodin)

#### Top Skills

Aerodynamics Therma: Management Computational Fluid Dynamics (CFD)

#### Languages Hindi (Full Professio

English (Full Protossional)

#### Certifications

Sports and Building Aerodynamics by Coursera ISTQB Foundation Level Professional in Mechanical CADD JK Tyre BAJA SAE India 2010

#### Publications

Numerical Simulation Over High Speed Vehicles For Satety & Stability While Comering On Unbanked Road

Reducing Slip-Stream of Leading Carl to Reduce Advantage for Trailing Carlin Stock Car Racing by taking a simplified car model

# Avinash Chandra

CFD | Whirlpool | Stellantis | UPES Pune

#### Summary

★ A CFD professional, with proven experience in the application of computational fluid dynamics in various domains

\* Expertise in fluid flow and heat transfer simulations

★ Performed correlation studies concerning the physical test, design targets, and recommended suitable design changes

★ Achieved process improvement for system and sub-system with the help of computational simulations

★ Showcased a high level of confidence in simulation results by adopting best practices, appropriate assumptions, and required simplifications

★ Strong interpersonal, analytical skills, leadership, team handling qualities in cross-functional projects

#### Experience

Whirlpool Corporation Senior CAE Specialist July 2021 - Present (5 months) Pune, Maharashtra, India

Simulation-Based Design (SBD) - Laundry section

#### Stellantis

Aerothermal Engineer December 2018 - July 2021 (2 years 8 months) Chennai Area, India

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#### List of Participants

S.No	Name	Designation
1,	Vishwa B	IV Aero
2.	Goutham Karthik.S	IV Aero
3.	Suraj B	IV Aero
4.	Aditya K	IV Aero
5.	Nileshkumar K	IV Aero
6.	Anto Snowfen S	IV Aero
7.	Tharun Kumaar G S	IV Aero
8.	G Sarankumar	IV Aero
9.	Siddarthan	IV Aero
10.	Ramki Muthusubash B	IV Aero
11	Srinath.B	IV Aero
12	Prabhu M	IV Aero
13	Shrinivasan S	IV Aero
14	Vithya Markandan	IV Aero
15	Boomika R	IV Aero
16	Charan Thangavelu	IV Aero
17	Monish Kumar. A	IV Aero
18	Shancia Andrew .A.M	IV Aero
19	Naveen B	IV Aero
20	Rajeswari D	IV Aero
21	Vetrivel M	IV Aero
22	Ganesh Perumal .M	IV Aero
23	Ajay Prasath G.A	IV Aero
24	Harish Adishwar. A	IV Aero
25	Jayasurya B	IV Aero
26	L.Hari Prasath	IV Aero
27	Angeline Priyadharsini	IV Aero
28	Jambukeswar T Kandaswamy	IV Aero
29	R Dhiren	IV Aero
30	Balarathinam T	IV Aero
31	Gnanendra Senapathi	IV Aer <mark>8</mark> AJ
32	Vasanth D	IV Aero
33	Pooja Sri G R	IV Aero
34	Srinithi Priyadharshini P	IV Aero



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#### Program Schedule

S. no	Date	Торіс	Speaker Details
1	27.11.2.21	APPLICATION OF CFD IN VEHICLE AERODYNAMICS	Mr.Avinash Chandra, Senior CAE Specialist, Whirlpool Corporation,Pune, Maharastra, India



J. N. Humps



J. U. F

# PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION

.No	Timestamp	Email Address	Name	Designation
1,	. 11/27/2021 vishwa.b.2018.aero@rajalakshmi. 15:02:41 u.in			IV Aero
2.		gouthamkarthik.s.2018.aero@rajala kshmi.edu.in	Goutham Karthik.S	IV Aero
3.	11/27/2021 15:03:32	suraj.b.2018.aero@rajalakshmi.edu. in	SURAJ B	IV Aero
4.	11/27/2021 15:03:33	aditya.k.2018.aero@rajalakshmi.ed u.in	Aditya K	IV Aero
5.		nileshkumar.k.2018.aero@rajalaksh mi.edu.in	Nileshkumar K	IV Aero
6.		antosnowfen.s.2018.aero@rajalaksh mi.edu.in	ANTO SNOWFEN S	IV Aero
7.				IV Aero
8.	11/27/2021 15:04:24	sarankumar.g.2018.aero@rajalaksh mi.edu.in	G SARANKUMAR	IV Aero
9.	11/27/2021 15:04:24	siddarthan.a.2018.aero@rajalakshm i.edu.in	Siddarthan	IV Aero
10.		ramkimuthusubash.b.2018.aero@raj alakshmi.edu.in	Ramki Muthusubash B	IV Aero
11	11/27/2021 15:04:56	srinath.b.2018.aero@rajalakshmi.ed u.in	Srinath.B	IV Aero
12	11/27/2021 15:05:09	prabhu.m.2018.aero@rajalakshmi.e du.in	PRABHU M	IV Aero
13		shrinivasan.s.2018.aero@rajalaksh mi.edu.in	shrinivasan S	IV Aero
14	11/27/2021 15:05:42	vithya.m.2018.aero@rajalakshmi.ed u.in	Vithya Markandan	IV Aero
15	11/27/2021 15:05:45	boomika.r.2018.aero@rajalakshmi.e du.in	BOOMIKA R	IV Aero
16		charanthangavelu.s.2018.aero@rajal akshmi.edu.in	Charan thangavelu	IV Aero
17		monishKumar.a.2018.aero@rajalak shmi.edu.in	MONISH KUMAR. A	IV Aero
18	11/27/2021	shanciaandrew.am.2018.aero@rajal akshmi.edu.in	Shancia Andrew .A.M	IV Aero
19		naveen.b.2018.aero@rajalakshmi.ed	Naveen B	IV Aero
20		rajeswari.d.2018.aero@rajalakshmi.	Rajeswari D	IV Aero
21		vetrivel.m.2018.aero@rajalakshmi.e	VETRIVEL M	IV Aero
22	11/27/2021	ganeshperumal.m.2018.aero@rajala	Ganesh Perumal .M	IV Aero

		ajayprasath.ga.2018.aero@rajalaksh mi.edu.in	Ajay Prasath G.A	IV Aero
24	11/27/2021	57		IV Aero
25	11/27/2021 15:10:10	jayasurya.b.2018.aero@rajalakshmi .edu.in	JAYASURYA B	IV Aero
26	11/27/2021 15:11:01	hariprasath.1.2018.aero@rajalakshm i.edu.in	L.Hari Prasath	IV Aero
27		angelinepriyadharsini.n.2018.aero@ rajalakshmi.edu.in	Angeline priyadharsini	IV Aero
28		jambukeswart.kandaswamy.2018.ae ro@rajalakshmi.edu.in	Jambukeswar T Kandaswamy	IV Aero
29	11/27/2021 15:18:32	dhiren.r.2018.aero@rajalakshmi.ed u.in	R Dhiren	IV Aero
30		balarathinam.t.2018.aero@rajalaksh mi.edu.in	Balarathinam T	IV Aero
31		gnanendrasenapathi.2018.aero@raja lakshmi.edu.in	GNANENDRA SENAPATHI	IV Aero
32	11/27/2021 15:21:02	vasanth.d.2018.aero@rajalakshmi.e du.in	vasanth D	IV Aero
33	11/27/2021 15:21:31	poojasri.gr.2018.aero@rajalakshmi. edu.in	Pooja Sri G R	IV Aero
34		srinithipriyadharshini.p.2018.aero@rajalakshmi.edu.in	SRINITHI PRIYADHARSHINI P	IV Aero

D.I.r\_ KF ( coordinator)

J. U. Humps



#### **Photographs:**



Screenshots of Attendance and Lecture during Webinar "APPLICATION OF CFD IN VEHICLE AERODYNAMICS" by Mr.Avinash Chandra, Senior CAE Specialist, Whirlpool Corporation,Pune, Maharastra, India

J. L. Menyon



#### Feedback from the Participants

Overall how satisfied were you with this webinar? 34 responses



How informative did you find this webinar? 34 responses





How clear were the ideas and concepts presented? 34 responses







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Was the subject matter of this webinar too simple, too involved, or at the right level? <sup>34 responses</sup>





S. N. Thurp PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

# Feedback form "APPLICATION OF CFD IN VEHICLE AERODYNAMICS" BY Mr. Avinash Chandra Senior CAE Specialist Whirlpool Corporation Pune, Maharastra, India

Thank you for attending our webinarl in order to help us continue to make our programs better, please provide us with feedback on this webinar by filling out this quick questionnaire.

The respondent's email (vishwa.b.2018.aoro@rajalakshml.edu.in) was recorded on submission of this form.

Name \*

Vishwa B

Designation \*

Student

Institution \*

Rajalakshmi engineering college

Overall how satisfied were you with this webinar? \*

Very Satisfied

Satisfied

O Neither satisfied nor unsatisfied

O Dissatisfied

Very disastisfied

How informative did you find this webinar? \*

O Extremely Informative

Very informative

O Moderately Informative

O Not very informative

Not informative at all

How clear were the ideas and concepts presented? \*

O Extremely clear

Very clear

Moderately clear

O Not very clear

O Not at all clear



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

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J. W. Hunger

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Google Forms



#### **Presentation Slides/Materials**

















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#### Summary of the Guest Lecture

Report of Webinar on "APPLICATION OF CFD IN VEHICLE AERODYNAMICS" on 27th November 2021.

The department of Mechanical Engineering has organized a webinar in the topic of APPLICATION OF CFD IN VEHICLE AERODYNAMICS to final year Aeronautical students who chosen CFD as their subject.

Mr. Vasthadu Vasu Kannah.D.L has taken an initiative to organize this webinar on 27th November 2021 at 02.00 PM. Totally 34 students were attended and 3 faculties and students were attended online.

#### **Outcome:**

- The student participants Learned about the latest techniques in CFD.
- Various types of Methods were discussed and students understood the basics and learned to select which type of methods should be selected and used.
- Students understood the various characteristics and the type of different CFD methods
- Students understood the quality and operational limits of various CFD methods

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Coordinator

HOD/Aero

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#### One day Workshop on "Fuel Cell Technology" on 19.03.2022

Index

SI. No.	Details
1	Approval Letter
2	Brochure
3	Communication with Speakers
4	Speaker Profile (s)
5	Program schedule
6	List of Participants
7	Attendance
8	Photographs taken during the workshop
9	Feedback from the Participants
10	Feedback from the speakers
11	Sample Certificate
12	Presentation Slides/Materials (if available)
13	Event Report
14	Any other details (if any)



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## RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF AUTOMOBILE ENGINEERING

02.03.2022

#### Submitted to the Principal

It is proposed to conduct one day workshop on "Fuel Cell Technology" on 19<sup>th</sup> March 2022 in collaboration with HI Energy Technologies. This workshop will be useful for Automobile, Mechanical and Chemical Engineering students. Dr. B. MullaiSudaroli, Assistant professor, Department of Automobile Engineering will be acting as co-ordinator for this workshop:

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## RAJALAKSHMI ENGINEERING COLLEGE

### ONE DAY WORKSHOP on

# FUEL CELL TECHNOLOGY

### Organized by

Department of Automobile Engineering

### In association with

Institution's Innovation Cell, REC Industry Institute Interaction Cell, REC Talent Enhancement Cell, REC

## Speakers:

### Dr. B. Mullai Sudaroli

Assistant Professor (SG), Department of Automobile Engineering, Rajalakshmi Engineering College

Topic: Clean Energy Technology: Fuel Cells

### Mr. M. Rajkumar

Advisor, H1 Energy Technologies Topic: Fuel Cell Stack Engineering and Future Perspective

Dr. A. Balamurugan Advisor, HI Energy Technologies Topic: Design of Durable Catalyst for PEM Fuel Cells

Afternoon session: Hands on Training on Fuel Cell







### Workshop Brochure



5. w. tray

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.



# One day workshop on 19.03.2022 on "FUEL CELL Technology"

1 message

HOD Automobile Engineering <hod.auto@rajalakshmi.edu.in>

Fri, Mar 18, 2022 at 4:00 PM

To: HODs <rec.hods@rajalakshmi.edu.in>, Indumathy D <indumathy.d@rajalakshmi.edu.in>, Sorna Shanthi D <sornashanthi.d@rajalakshmi.edu.in>, "Dr.R.Surender" <surendar.r@rajalakshmi.edu.in>, Principal REC <principal@rajalakshmi.edu.in>, "Dr VMB Dean Academics REC, Chennai" <dean.academics@rajalakshmi.edu.in>, Staff\_Auto <staff\_auto@rajalakshmi.edu.in>

Cc: Shanthi R <shanthi.r@rajalakshmi.edu.in>, Vinoth Babu N <vinothbabu.n@rajalakshmi.edu.in>

Dear All,

The Automobile Engineering Department and TEC Jointly organises the One day hand-son workshop on "Fuel Cell Technology" on 19.03.2022 from 10.20 am to 3.00 pm at Main Sem inar Hall. We have invited the second and third year students of TEC from AERO, AUTO, MECH, MCT and Chemical Engineering students for this workshop. Interested students and faculty from other departments can also utilize this opportunity.

We have attached the detailed information about the programme in the attached file.

With regards

Dr. K. Bhaskar Professor and Head Department of Automobile Engineering Rajalakshmi Engineering College hod.auto@rajalakshmi.edu.in 9159474837



Fuelcell Technology Workshop 19.03.22.jpeg 288K



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### 3. Expert speaker communication



### **Profile of Resource Persons**



## Dr. B. MULLAI SUDAROLI

Dr.B.MullaiSudaroli completed B.Tech in Mechanical Engineering and M.Tech in Energy Technology. She earned Ph.D from IIT Madras. She received the best poster award for her Ph.D work. She has three internationals journals with good impact factor and attended many conferences. She has more than 13 years of experience in both research and teaching.



### Mr. M. RAJKUMAR

He completed ME in Environmental engineering and won the "Best Project Model award in Environmental Science" granted and funded by Tamilnadu state science council for Science and Technology (TNSCST). Published two International articles and filed two Indian design patents. He presented three international conferences and two national conferences relevant to fuel cells. Also he successively completed 1 Government funded project - TNSCST (0.1 lakh). In total he has around 16 years of experience in the area of energy and environment particularly in the area of fuel cells, electrolyzer& steam reformer and primary, secondary batteries for defense applications, and portable wind power generator. He started his career as 'Assistant Superintendent' in High Energy Batteries (I) Ltd, Trichy, where he was associated in fuel cell (PEMFCs & PAFCs) stack production for DMRL and NMRL. And also he did qualitative & quantitative analysis for missiles, torpedo and aerospace battery components. Then he joined as Senior Research Fellow in CSIR - CECRI Madras Unit there he has associated in Supra Institutional project entitled "Energy for cleaner & greener environment" & NMITLI Project titled on "Development and demonstration of Polymer electrolyte membrane fuel cell stacks for stationery applications" supported by CSIR under XI & XII Five Year Plan. After that he has joined as Senior R&D Engineer at ELPRO Energy Dimensions Pvt., Ltd in Bangalore for the development and commercialization of Polymer electrolyte membrane fuel cell stacks, the project was supported by DSIR - India, then he was changed his career as Teaching fellow in Anna University, Chennai. From there he shifted his career as project scientist in ARCI-Centre for fuel cell technology for design and development of metallic flow fields for PEM fuel cell project funded by DST-India. These experiences lead him to become a Head, Technical research consultant in DAS Instruments and solutions for the development of electrochemical and chemical relevant projects.



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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.

### Dr. A.BALAMURUGAN



Dr.A.Balamurugan received his Ph.D degree in Engineering (Electrochemistry) in National Taipei University of Technology, Taiwan. Then he moved to National Taiwan University, Taiwan for his postdoctoral studies where his work focused on discovery of new material for biosensor and Energy storage and conversion devices. After this spell, he started to work at Tokyo Institute of Technology, Japan, where his work focused with an exploration of Pt-free catalyst (Nitrogen doped carbon catalyst) for polymer electrolyte fuel cell (PEMFCs) and its catalytic activity of the N doped catalyst and its mechanism towards oxygen reduction reaction (ORR) was studied using Rotating ring disc electrode (RRDE). In addition to that, he established method for large scale production of Pt alloy catalyst. With this method, he prepared highly ordered Pt alloy catalyst and ordered Pt alloy catalyst provides excellent stability under PEMFCs operating condition. Ordered Pt alloy catalyst retained its original activity even after 24 hrs operation of fuel cell. Based on these experiences, he joined Centre for fuel cell Technology (CFCT-ARCI)-IITM research park, Chennai, where he did work on testing and development of PEMFCs devices. He is capable assembly and operating of 5 kW and 10 kW PEMFCs for long duration with proper water management and heat flow. To his credit and academic contribution, he published more 25 research article in peer reviewed international journal and has filed one patent.



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105.

Sl. No.	Date	Timing	Topic	Speaker De	etails
1	19.03.22	10.00am- 10.45am	Clean Energy Technology: Fuel Cells	Dr. B. MullaiSudaroli Assistant Professor (SG), Department of Automobile Engineering, Rajalakshmi Engineering College	
2	19.03.22	10.45am - 11.30am	Fuel Cell Stack Engineering and Future Perspective	<b>Mr. M. Rajkumar</b> Advisor, H1 Energy Technologies	
3	19.03.22	11.30am - 12.15pm	Design of Durable Catalyst for PEM Fuel Cells	<b>Dr. A. Balamurugan,</b> Advisor, H1 Energy Technologies	
4	19.03.22	1.00 pm – 3.00 pm	Demo	on Fuel Cell Components an	d Assembly

## Program schedule



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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.

## RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS) DEPARTMENT OF AUTOMOBILE ENGINEERING ONE DAY WORKSHOP ON FUEL CELL TECHNOLOGY LIST OF PARTICIPANTS

S.No.	Reg. No	Name	Department	Year
1	190201001	Ahanush Baskar	AUTO	III
2	190201002	Anandha Bathmanaban A	AUTO	III
3	190201003	Arjune B K	AUTO	III
4	190201004	Avinash C	AUTO	III
5	190201005	Dharma J	AUTO	III
6	190201006	Dinesh Kanna R K	AUTO	III
7	190201007	Dinesh Kumar K	AUTO	III
8	190201008	Dwarkesh R	AUTO	III
9	190201009	Gowtham N	AUTO	III
10	190201010	Gowtham S	AUTO	III
11	190201011	Jelin Y	AUTO	III
12	190201012	Kabilaan K	AUTO	III
13	190201013	Karthick Varun A	AUTO	III
14	190201014	Kaviraj G	AUTO	III
15	190201015	Kirithik Sri Varshan T	AUTO	III
16	190201016	Leolin R B	AUTO	III
17	190201017	Manoj T	AUTO	III
18	190201018	Mohammed Rasiq D	AUTO	III
19	190201019	Naresh M H	AUTO	III
20	190201020	Naveen Pandi T	AUTO	III
21	190201021	Nethaji T	AUTO	III
22	190201022	Nuganthan S	AUTO	III
23	190201023	Pranav Balaji B	AUTO	III
24	190201024	Rakesh Kumaran G	AUTO	III
25	190201025	Resman A K	AUTO	III
26	190201026	Rohith S	AUTO	III

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28	190201028	Sanjay Kumar G	AUTO	III
29	190201029	Sri Aditya C	AUTO	Ш
30	190201030	Veera Manikandan K	AUTO	III
31	190201031	Vignesh K	AUTO	III
32	190201032	Vignesh Kumar S	AUTO	III
33	190201033	Vigneshwar N	AUTO	III
34	190201034	Vimal Adithyan S	AUTO	III
35	190201035	Vishal Singh G J	AUTO	III
36	190201036	Yokesh Raj R	AUTO	III
37	190201501	Tanishq V Nair	AUTO	III
38	190201502	Naveen Kumar V	AUTO	III
39	190201503	Bharath Kumar V	AUTO	III
40	190501001	Abishek A	CHEM	III
41	190501002	Ajay Krisna S K	CHEM	III
42	190501003	Ajay S	CHEM	III
43	190501004	Ananya V	CHEM	III
44	190501005	Aravindhan V	CHEM	III
45	190501006	Aswini B	CHEM	III
46	190501007	Deepanjali Perumal Swamy	CHEM	III
47	190501008	Dhananjai S	CHEM	III
48	190501009	Harish A	CHEM	III
49	190501010	Hayshika D	CHEM	III
50	190501011	Hema Latha M R	CHEM	III
51	190501013	Jithu M	CHEM	III
52	190501014	Jorryn Rohit J	CHEM	III
53	190501015	Karthik Eshwar G	CHEM	III
54	190501016	Karthik Sreevatsan D	CHEM	III
55	190501017	Kiran S	CHEM	III
56	190501018	Lavanya D	CHEM	Ш
57	190501019	R Lokesh Kannan	CHEM	III
58	190501020	Mohamed Rifath J	CHEM	III
59	190501021	Mridula K	CHEM	III
60	190501022	Naresh H	CHEM	III

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61	190501024	Parameshwaran G	CHEM	III
62	190501025	Pon Pandiyan K	CHEM	III
63	190501026	Preetha G	CHEM	III
64	190501027	Raghavi A	CHEM	III
65	190501028	Rajeshram M	CHEM	III
66	190501029	Rajkumar L	CHEM	III
67	190501030	Rameshkumar D	CHEM	III
68	190501031	Roshinth Selva M	CHEM	III
69	190501032	Saravanan M	CHEM	III
70	190501033	Sivabalan V M	CHEM	III
71	190501034	Srimalar R	CHEM	III
72	190501035	Sutharshan G S	CHEM	III
73	190501036	Tamilvanan M	CHEM	III
74	190501037	Thayalan M	CHEM	III
75	190501039	Vishnu Sundhari R K	CHEM	III
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79	190501043	Yuvasri M	CHEM	III
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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHEMNAL-602 105. RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF AUTOMOBILE ENGINEERING

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## **RAJALAKSHMI ENGINEERING COLLEGE** DEPARTMENT OF AUTOMOBILE ENGINEERING One Day Workshop on Fuel Cell Technology

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PRINC Majolakshmi-edu. in **RAJALAKSHMI ENGINEERING COLLEGE** AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105.

## **RAJALAKSHMI ENGINEERING COLLEGE(AUTONOMOUS)** B.TECH CHEMICAL ENGINEERING ACADEMIC YEAR: 2021-22 / BATCH:2019-2023 Engg

THIRD YEAR / Chemical ONE DAY WORKSHOP ON FUEL CELL TECHNOLOGY

,		ONE DAT WORKSHOP	DATE : 19-3-22
S.No	Reg. No	Name of the Student	MAIL ID SIGN
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5	190501005	ARAVINDHAN V	asoundhan. V. 2009, chan @ alaberthin edu?n. V. Ledft
6	190501006	ASWINI B	aswini.b. 2019. Unem @rajelakuhmi.edu.in
7	190501007	DEEPANJALIP	2019. chem @ rajalakhui.edu 101 p. la (j)
8	190501008	DHANANJAI S	drannipi. 5. 2019. chem & rejetakum Manfillart.
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11	190501011	HEMA LATHA M R	honalatha. mr. 2019. chem@raplakshmi.edu. 15 t/al
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J. D. Lung PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL-662 105.

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5.00.1

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105,

### RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF AUTOMOBILE ENGINEERING One Day Workshop on Fuel Cell Technology Talent Enhancement cell 19.03.2022 Main Seminar

_	T	19.03.2022	Main Seminar Hall	
S.No.	Reg. No	Name	mail id	Sign.
1	201101509	SRIRAM.V	201101509prajalatsmied	AL
2.	201101045	Hamish Jay array P	2011D1048 @rajulaktimin	. land
3	201101044	Haribaran. S	201101044@ rajalakihming	in e-h
4	201101111	Savijay Anand V	201101111@ najalakehmi.	
5	201101121	Shiva Lai Neerarijan S	20110 11 29 @ gajalakshmi .	
6	201101133	Jimmy Fackson . J	2011011.33 @ rajalakshini	-
7	201101507	Sunil Kumor	201101508@rajalotyhui	0
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J. N. Humpson

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.

## Workshop Photographs





Dr. K. Bhaskar, Addressing the Gathering

Dr. B. Mullai Sudaroli Delivering Lecture



M. Rajkumar Delivering Lecture



Participants

J.D. He

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105,





Hands on Session on Fuel Cells

Hands on Session on Fuel Cells



Memento to the Guest Speaker



5.10.1

RINCIPA **RAJALAKSHMI ENGINEERING COLLEGE** AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105.



Memento to the Guest Speaker

## **Students Feedback**



Date : 19.03.2022, Time : 10.00 AM to 3.00 PM

The respondent's email (201201024@rajalakshmi.edu.in) was recorded on submission of this form.

### Email ID \*

201201024@rajalakshmi.edu.in

Name

Madhan K

**Registration Number \*** 

201201024

Designation \*

Student

Was this workshop useful? \*





S.D. Meeepor

https://docs.google.com/forms/d/1ejltRVeOHWji-yk6oloEvRbr8zT2iV-VI7wQbHzbPvc/edit#response=ACYDBNiP\_RCsig266nliWvKR18h4TN0FG... 1/2

Was the event	t structured	well? * *				
Yes	•					
			5. 5#2			
Please provide	e your rating	g on the cor	ntent deliver	ed by the sp	beaker	
	1	2	3	4	5	
Poor	0	$\bigcirc$	0	0	۲	Excellent

Did the workshop met your expectations?\*

1
2

3
4

5

Poor

O

O

Excellent

## Any other suggestiopns

The workshop was educational and informative.

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J.N. Herengron

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

Date : 19.03.2022, Time : 10.00 AM to 3.00 PM

The respondent's email (201201007@rajalakshmi.edu.in) was recorded on submission of this form.

### Email ID \*

201201007@rajalakshmi.edu.in

#### Name

Avaneesh Sriram

**Registration Number \*** 

201201007

**Designation**\*

Student

Was this workshop useful? \*





J. D. Lunger

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

https://docs.google.com/forms/d/1ejltRVeOHWji-yk6oloEvRbr8zT2iV-VI7wQbHzbPvc/edit#response=ACYDBNiFQ8Xdm3cQ6DTlhk1QL\_IFMfzw... 1/2

#### 5/15/22, 2:47 PM

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ase provid	e your rating	g on the cor	ntent deliver	ed by the sp	peaker	
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Poor	0	0	0	0	۲	Excellent
the works	hop met you	ur expectati	ons? *			· · · · · · · · · · · · · · · · · · ·
	1	2	3	4	5	
Poor	0	0	0		0	Excellent

Good workshop, learned a lot

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Date : 19.03.2022, Time : 10.00 AM to 3.00 PM

The respondent's email (201101033@rajalakshmi.edu.in) was recorded on submission of this form.

### Email ID \*

201101033@rajalakshmi.edu.in

### Name

Dhinesh.A

**Registration Number \*** 

201101033

Designation \*

Student

Was this workshop useful? \*

Yes	•	
	AN AUTONOMOUS INSTITUTION	FRINCIPAL
	Registering Chemping	RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.

#### 5/15/22, 2:47 PM

Yes	•		

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Poor	0	0	0	0	۲	Excellent

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Poor	0	0	0	0	۲	Excellent

Any other suggestiopns		7
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J. D. Hunger

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAMA CHERMAN

Date : 19.03.2022, Time : 10.00 AM to 3.00 PM

The respondent's email (201101035@rajalakshmi.edu.in) was recorded on submission of this form.

Email ID \*

201101035@rajalakshmi.edu.in

Name

**ELANJEEVAN ELA** 

Registration Number \*

201101035

Designation \*

Student

Was this workshop useful? \*





J. N. Hunger

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION

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Poor	0	$\circ$	0	0	۲	Excellent

## Any other suggestiopns

Could be more of an interactive session instead of giving presentations.

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE

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Date : 19.03.2022, Time : 10.00 AM to 3.00 PM

The respondent's email (201101515@rajalakshmi.edu.in) was recorded on submission of this form.

### Email ID \*

201101515@rajalakshmi.edu.in

### Name

**V.HEMACHANDAR** 

**Registration Number \*** 

201101515

Designation \*

Student

Was this workshop useful? \*





J.D. He

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION

https://docs.google.com/forms/d/1ejltRVeOHWji-yk6oloEvRbr8zT2iV-VI7wQbHzbPvc/edit#response=ACYDBNjygY3WCjY2IVhf4VR8LD\_t3WlyHp... 1/2

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Any other suggestiopns

YES I LEARNT FUEL CELL AND IT IS VERY USEFUL THE CONTENT PROVIDED IS VERY MUCH USEFUL

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Date : 19.03.2022, Time : 10.00 AM to 3.00 PM

The respondent's email (saravanan.m.2019.chem@rajalakshmi.edu.in) was recorded on submission of this form.

### Email ID \*

saravanan.m.2019.chem@rajalakshmi.edu.in

Name

Saravanan.m

**Registration Number \*** 

190501032

Designation \*

Student

Was this workshop useful? \*

Yes



7.10.1

RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

#### 5/15/22, 2:50 PM

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Good

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION

Date : 19.03.2022, Time : 10.00 AM to 3.00 PM

The respondent's email (preetha.g.2019.chem@rajalakshmi.edu.in) was recorded on submission of this form.

Email ID \*

preetha.g.2019.chem@rajalakshmi.edu.in

Name

PREETHA G

**Registration Number \*** 

190501026

Designation \*

Yes

Student

Was this workshop useful? \*



Z.D. Leurger

#### 5/15/22, 2:51 PM

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lease provid	e your rating	g on the cor	itent deliver	ea by the sp	Deaker	
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Did the works	hop met you	ır expectati	ons? *				
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Poor	0	0	0	0	۲	Excellent	

## Any other suggestiopns

The workshop was organized excellent.

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J.N. PRINCIPAL

RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

Date : 19.03.2022, Time : 10.00 AM to 3.00 PM

The respondent's email (karthiksreevatsan.d.2019.chem@rajalakshmi.edu.in) was recorded on submission of this form.

### Email ID \*

Karthiksreevatsan.d.2019.chem@rajalakshmi.edu.in

Name

Karthik Sreevatsan D

**Registration Number \*** 

190501016

Designation \*

Student

Was this workshop useful? \*

Yes



J.D. Lung

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION

#### 5/15/22, 2:52 PM

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Any other suggestiopns	
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Date : 19.03.2022, Time : 10.00 AM to 3.00 PM

The respondent's email (jithu.m.2019.chem@rajalakshmi.edu.in) was recorded on submission of this form.

### Email ID \*

jithu.m.2019.chem@rajalakshmi.edu.in

Name

Jithu.m

**Registration Number \*** 

190501013

Designation \*

Student

Was this workshop useful? \*





J. N. Hempson

PRINCTPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.
#### 5/15/22, 2:52 PM

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ase provide	your rating 1	on the cor 2	itent deliver 3	ed by the sp 4	beaker 5	

Poor (	C	0	0	0	•	Excellent

It was a wonderful session

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J.N. Mungen

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

### One day workshop on Fuel Cell Technology 19.03.2022

Date : 19.03.2022, Time : 10.00 AM to 3.00 PM

The respondent's email (**deepanjali.perumalswamy.2019.chem@rajalakshmi.edu.in**) was recorded on submission of this form.

#### Email ID \*

deepanjali.perumalswamy.2019.chem@rajalakshmi.edu.in

Name

Deepanjali Perumal swamy

#### **Registration Number \***

190501007

Designation \*

Student

Was this workshop useful? \*

Yes	•	NENGINEERIN
	F	AN ALTONOMOUS
		INSTITUTION
		and Grentia -

J.10.1 **RAJALAKSHMI ENGINEERING COLLEGE** 

AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

#### 5/15/22, 2:54 PM

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0	0	0	0	۲	Excellent
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RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.

### RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS)

### DEPARTMENT OF AUTOMOBILE ENGINEERING

#### FEEDBACK FROM THE SPEAKER

DEPARTMENT	: Auto	pmobile Engineering
Speaker Name :		M · RAJKUMAR
Designation :		
Institution/University/Organiz	ation:	H1 Energy Technology
Title of the Lecture	:	Fuel cell Stack Engineering
Date	2	19 (03) 2022
Time	*	11:45 to 12:30
Venue	*	SEMINAR HALL (Workshap)
Signature of the Speaker	:	Allehund
Comments		Hospitaliky is good
		Very er ureful lectures
	4	from Institution Speaker
		Studenty behaviory is
		good & responsed well.



ŀ

J.Lo. Mere

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105.

#### RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS)

#### DEPARTMENT OF AUTOMOBILE ENGINEERING

#### FEEDBACK FROM THE SPEAKER

DEPARTMENT : A	utomobile Engineering
Speaker Name :	Dr. B. Mullai Sudanoli
Designation :	APCSG)/Auto/REC
Institution/University/Organization	
Title of the Lecture :	Clean Energy Technology Ful cells
Date :	19.03.2022
Time :	10.45-11.55
Venue :	Seminar hall
Signature of the Speaker	Brie
Comments :	The Students are intertested to explore fenowlege on Fuelcell



J. N. Plupan

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105.

#### **RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS)**

#### DEPARTMENT OF AUTOMOBILE ENGINEERING

#### FEEDBACK FROM THE SPEAKER

DEPARTMENT

3

: Automobile Engineering

Speaker Name :	DX A BALAMURUGAN
Designation :	Advisor
Institution/University/Organization:	HI Energy Technslogy
Title of the Lecture :	Design of PE-M durable Catalyst for PEM FC.
Date :	19.03.2022
Time :	10.00 pm to 2.00 pm
Venue :	Serviners Hall
Signature of the Speaker :	19@07
Comments :	Good Hospitality Good altandoure
	Good altandance
50	



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105.

J.D. Mue



### Power Point Slides from Speakers

### Clean Energy Technology: FUEL CELLS

Dr. B. Mullai Sudaroli Assistant Professor (SG) Department of Automobile Engineering Rajalakshmi Engineering College

#### Acknowledgment

- Management
- HOD/Automobile Engineering, colleagues and student friends
- · My guide Prof.Kolar
- Almighty God

AUTONOMOUS INSTITUTION

J.N. Hu

2

PRINCIPAL PAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

### Introduction

- India is not Energy Independent
- Rs. 12000 crore -importing energy resources
- Buys 85% of oil and 53% of gas from other countries
- Usage hydrogen in next 25 years
- PM Modi announced National Hydrogen Mission in Union budget 2021.
- Has pledge to make India energy independent before celebrating 100 years of independence
- For India's Progress and make India self reliant.

### National Hydrogen Mission

- Green Hydrogen: Hydrogen is produced by solar electrolysis- using renewable energy sources-environment friendly.
- India's H2 based Mobility linked pilots: Delhi is operating buses running on Hydrogen spiked CNG in a six months pilot project.
- NTPC is running 10 Hydrogen fuel cell based electric buses FC cars in Delhi.

3

FC used to power car/ trucks

### National Hydrogen Mission

- Hydrogen is seen as direct replacement of fossil fuels.
- □India plan to use it in core industries –steel and chemical industries to reduce green house gas emissions.
- □450 GW of energy using renewable energy sources by 2030
- Hydrogen demand is 11.7 million tonnes.
- At present the cost of hydrogen produced is Rs.350/kg. It will be reduced by rs.160/kg by 2030

### India's first hydrogen-based fuel-cell electric car



Mirai is powered by a hydrogen fuel cell battery pack and capable of providing a range up to 600 km in a single charge, with a refuelling time of five minutes.

Union Minister Nitin Gadkari on Wednesday launched India's first green hydrogen-based advanced fuel cell electric vehicle (FCEV), Toyota Mirai

This is the first-of-its-kind project in India that aims to create an ecosystem for such vehicles in the country.

FCEV, powered by hydrogen, is one of the best zero-emission solutions

# Fuel cell An electrochemical device Conventional technology Thermal energy



- Direct conversion of chemical energy to electrical energy
- High efficiency (40 to 60 %)
- Generates electrical power as long as the fuel and oxidant are supplied, without recharging



**Comparative efficiency chart** 



#### Advantages

- High electrical efficiency (35 to 60 %) No harmful emissions NO<sub>x</sub>, SO<sub>x</sub>, particulates
- Can operate with wide range of fuels from pure hydrogen to coal gas with suitable reforming
- Quiet operation
- No moving parts, hence less maintenance and more reliability.
- Potential for cogeneration and hybrid power generation with high energy utilization efficiency.
- Modular construction
- A Three-in-one Device: Energy efficient, environment-friendly, fuel flexible



#### **Applications**

- Distributed power generation (kW MW)
- Transportation cars, buses, bicycles (kW)
- Portable equipments cell phones, laptops, UPS, PCs (W kW)
- Space programs (kW)

S. N. Henry



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.



#### **Applications (contd.)**













**Fuel cell stack** 

#### Classification of fuel cells based on electrolyte

Fuel Cell Type	Electrolyte	Anode Gas	Cathode Gas	Tempera- ture	η
Proton Exchange Membrane (PEMFC)	solid polymer membrane	hydrogen	Air/oxygen	75°C (180°F)	35– 60%
Alkaline (AFC)	potassium hydroxide	hydrogen	Air/oxygen	below 80°C	50– 70%
Direct Methanol (DMFC)	solid polymer membrane	methanol solution in water	Air/oxygen	75℃ (180°F)	35– 40%
Phosphoric Acid (PAFC)	Phosphorous	hydrogen	Air/oxygen	210°C (400°F)	35– 50%
Molten Carbonate (MCFC)	Alkali- Carbonates	hydrogen, methane, CO+H <sub>2</sub>	Air/oxygen	650°C (1200°F)	40– 55%
Solid Oxide (SOFC)	Ceramic Oxide	hydrogen, methane, CO+H2	Air/oxygen	800 1000°C (1500 1800°F)	45– 60%



**Fuel cell stack** 

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19



Rated Power: 4500W

- Rated Voltage Output: 48 V DC
- ✓ Output DC (1A): USB / 12 V DC
- Hydrogen Purity: 99.995% (grade 4.5) ✓ Supply Pressure: 6 - 25 bar
- ✓ Max Hydrogen Flow Rating: 70 L/min
- ✓ Size: 100 x 80 x 21 cm

✔ Weight: 90 kg

Technical Data (AC Version)

J.D. Her

### RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION

Typical applications	Portable electronics equipment	Cars, boats, Cars, boats, and domestic CHP			NNAL 602-105 Distributed power generation, CHP, also buses		
POWER in Watts	1 10 100	1k	10k	100 k	1M	10M	
Main advantages	Higher energy density than batteries Faster recharging	Potential emiss Higher ef	sions		Higher e less po qu	ollution	
Range of	DMFC	AFC	2		Ç M	CFC	
application of the different		4		S	OFC		
types of	< PE	MFC			8		
fuel cell			Č.	PAF	C )		

#### **Range of applications**

22



At anode:

 $H_2 \longrightarrow 2H^+ + 2e^-$ 

At cathode:

 $2H^+ + \frac{1}{2}O_2 + 2e^- \longrightarrow H_2O$ 

### from athode Hydrogen from Teak anode

#### **Overall reaction:**

 $H_2$  (gas) +  $\frac{1}{2}$  O<sub>2</sub> (gas)  $\longrightarrow$   $H_2O$  + heat + electrical work

23

**Proton Exchange Membrane FC** 

- Solid polymer electrolyte
- · Porous carbon electrodes
- Platinum catalyst
- High power density
- Applications: Transportation,

Stationary, Portable.

- Research:
  - □ Suitable materials for electrodes, membranes, bipolar plates in order to reduce cost & weight, increase CO tolerance....
  - □ Heat and Water Management





### **Free Breathing Fuel Cells**

- Absorb ambient air by natural convection
- · Avoid use of auxiliary equipments fan, blower, compressor
- · Have low power capacities due to limitation on free convection mass transfer coefficients
- Find applications in low power applications - UPS, PCs, Mobiles



Advanced Energy Conversion

25

27

#### **Alkaline FC**

- Electrolyte solution of potassium hydroxide in water
- Efficiency 70 % Operating 100 to 250°C temperature
- Output-300 W to 5 KW
- · Applications in Apollo space craft for producing both electricity and drinking water
- Disadvantages platinum catalysts are expensive, possibility of leakage. easily poisoned by CO<sub>2</sub>



### Molten Carbonate FC (contd.)

- · No carbon-monoxide or carbon-
- dioxide poisoning
- · Disadvantage: use of corrosive
- electrolyte

At Anode:  
$$H_{2(g)} + CO_3^{2-} \longrightarrow H_2O_{(g)}$$

At Cathode:  
$$\frac{1}{2}O_{2(g)} + CO_{2(g)} + 2e^{-} \longrightarrow CO_{3}^{2-}$$

### **Overall cell reaction:**

$$\mathbf{H}_{2(g)} + \frac{1}{2}\mathbf{O}_{2(g)} + \mathbf{CO}_{2(g)} \longrightarrow \mathbf{H}_{2}\mathbf{O}_{(g)} + \mathbf{CO}_{2(g)}$$







**Types of Free-Breathing Fuel Cells** 

• Electrolyte: molten carbonate salt mixture suspended in a porous, chemically inert ceramic lithium aluminum oxide (LiAlO<sub>2</sub>) matrix · Do not require external reformer

(H,)Out

(a)

(H\_)Out

(b)

- to convert more energy dense fuels to hydrogen
- Fuels- H<sub>2</sub>, CO, CH<sub>4</sub>, C<sub>3</sub>H<sub>8</sub>, marine diesel, Coal gasification products ...



### **RAJALAKSHMI ENGINEERING** AN AUTONOMOUS INSTITUTION Solid oxide FCHENNAL - 602 105

- · Solid Electrolyte hard, non porous ceramic compound (YSZ)
- High temperatures 800 1000°C
- · Can be operated with variety of fuels with reforming
- CO tolerant FC

· High efficiency

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• Applications: Distributed power generation, cogeneration, hybrid power plants (  $\sim 80\% \eta$ )







8-1

26

Oxygen In





#### Solid oxide FC (contd.)

- Disadvantages:
  - 🖌 slow start up
  - ✓ thermal shielding
  - ✓ requirement of materials durable at high temperatures
- Currently intermediate
- temperature SOFC (600-850 °C)

are also being developed



31

## Design, operating and performance parameters

- Design parameters Fuel and Oxidant, Power, Voltage, Cell size, No .of Cells, Flow Field Configuration, Temperature, Pressure, Materials, Humidity
- Operating parameters Fuel composition, Fuel and air flow rates, Reactant inlet conditions, Operating pressure, Relative humidity, Cell voltage, Current density
- Performance parameters
- Voltage efficiency, Overall efficiency, Power density, Energy density, Specific energy, Fuel utilization, Exhaust temperature, Cell temperature distribution



#### **Relevant equations**

• Gibbs function of a system G = H - T S

Change in Gibbs free energy



- F Faradays constant, 96 485 Coulombs
- · Reversible voltage s given by Nernst equation

-4G <sup>0</sup>	RT .	PH: Pop 12
E <sub>rev</sub> = ∓ 2F	m 2F	Ржо

TYPICAL POLARISATION CURVE AND RESULTING POWER CURVE





#### **Overpotentials (voltage loss)**

Activation overpotential is given by Tafel equation

$$\Delta V_{act} = A \ln (i/i_0)$$

Ohmic overpotential

$$\Delta V_{ohm} = i . r$$

Concentration overpotential

$$\Delta V_{conc} = -B \ln(1-(i/i_{1})))$$
• Actual cell voltage
• Even = Even - (i + i\_{n})r - A ln  $\left(\frac{i + i_{n}}{i_{0}}\right) + B \ln \left(1 - \frac{i + i_{n}}{i_{1}}\right)$ 
33
33
33
33

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32



=0.5\*1000 =500 mW/cm<sup>2</sup>\*100 cm<sup>2</sup> =50, 000mW=50W single cell





#### No. of cells in Stack

Fuel cell stack sizing – no. of cells and cell active are for different power outputs (solid lines -0.4W/cm2 and dashed lines - 0.9W/cm2) Large cells with very small active area – difficult to align. Small no, of cells with larger active area-resistive losses. High current and low

voltage 38

-1000 cm<sup>2</sup>, 50 – 30 cm2 depends on application and desired power output



41



Expected performance of Siemens Westinghouse 300-kW and 1-MW class hybrid systems

48

#### **Direct Methanol FC**

- Similar to PEMFC in construction and working principle
- Cell reactions: at anode:  $CH_3OH + H_2O \longrightarrow 6H^+ + 6e^- + CO_2$ at cathode:  $1\frac{1}{2}O_2 + 6e^- + 6H^+ \longrightarrow 3H_2O$
- Adv of methanol:
  - higher energy density than hydrogen
  - > easier to transport
- Applications:
  - > portable appliances
  - ➤ automobiles

### **Direct Methanol Fuel Cell (DMFC)**

#### Objective

To study the effect of methanol crossover on DMFC performance, and methanol crossover reduction using (i) Mass Transfer Resistance Layers (ii) different designs of Serpentine Flow Fields

#### Scope

AN

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 $\geq$  MCO estimation by measuring CO<sub>2</sub> concentration at the cathode exit for varying PTFE loading in anode MPL and electrolyte membrane thickness.

>Implementation of a three dimensional model of DMFC with different mass transport resistance layer (MPL, GDL and membrane thickness) to predict the MCO, cathode potential and its effect on cell performance.

>An experimental and numerical study of the effect of three designs of the SFFs with different Open Ratio (OR) and different anode diffusion layer thickness on cell performance



#### Effect of Mass Transfer Resistance layers



Feed Methanol concentration

1.Anode gas diffusion layer 2.Anode Microporous (MPL) layer 3.Anode catalyst layer 4.Membrane

5.Cathode catalyst layer

6.Cathode gas diffusion layer

### Specification of Membrane Electrode Assembly (MEA) Anode: Pt/Ru(4mg/cm<sup>2</sup>), Cathode: Pt(4 mg/cm<sup>2</sup>)

Carbor	n cloth –diffusion layer (0.14mm)	
MEA1 (Reference cell)	N117(183 μm)	
MEA2	N1110(254 μm)	
MPL1	10 wt% PTFE in anode MPL(20 μm), N117	
MPL2	20 wt% PTFE in anode MPL(40 µm), N117	
Operating parameters	Values	
Oxidants used	Air and oxygen	
Methanol flow rate (ml/min	n) 14	
Air flow rate (ml/min)	600	
East Mathemal company	0.25.0.5 and 1.M	51

0.25, 0.5 and 1 M

#### PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE Experimental Setup ENNAL- 602 105. (Measurement of Methanol crossover)







### Effect of Serpentine Flow Fields Design of Serpentine flow fields

	•		•
Single ST	Dentils SFF	Trip	4 5FF
Parameters	SSFF	DSFF	TSFF
Width (mm)	1	1	1
Channel length(mm)	1086	524	397
Hydraulic diameter(mm)	1	τ	1
Open ratio(%)	56	56	56
Pressure drop (kPa)	158	26	11
Re. No	188	188	188

3. v. remps



### Effect of Open Ratio



ORI=41%	OR2=43%	01	5 5070	
Parameters	OR1	OR2	OR3	_
Width(mm)	1,5	0.5	1	
Channel length(mm)	228	1012	410	
Hydraulic diameter(mm)	1.2	0.6	1	
Open ratio(%)	41	45	56	
Pressure drop (kPa)	15	36	27	
Re no.	150	248	188	
			6	c

**Velocity Distribution** 



TSFF Average velocity: SSFF - 0.00324 m s, DSFF - 0.00105 m s and TSFF - 0.000525 m s Difference between average velocity of SSFF and DSFF is 67.5 % and that of SSFF and TSFF 83.7% 57

Channel length is increased by number of turns, pressure drop varies from 51.7 to 63.4%

Effect of SFFs on cell performance 100 0.38 🎽 0.4 Anode potential V Methanol Crossovwer density mA/cm<sup>2</sup> 60 0 36 0.3 Single Double 40 02 0.34 Triple Single Double 20 0.1 Inple 0.32 100 150 200 0 03 50 250 0 100 200 Cell current density mA/cm<sup>2</sup> 300 Cell current density mA/cm2 Methanol Crossover Anode and Cathode Potential 40 40 (zunn/Mul) 35 DSFF TSFF SSFF 03 20 1 DSFF Cell Voltage V · · · · · TSFF 15 Punk power dunnity ( 10 8 02 5 5 5 0 2,5 100 150 200 rent density mA/cm<sup>2</sup> 50 Cell cu 250 05 1 15 2 Feed Methanol concentration (M) Cell Voltage and power density Peak power density and Cell

Peak power densi efficiency





Anode Channel (ACH) Anode Diffusion Layer (ADL) Anode Catalyst Layer (ACL) Membrane (MEM)

Parameters		
Anode Diffusion Layer (mm)	0.22	
Catalyst Layer (mm)	0.03	
Membrane (mm)	0.18	
Channel depth (mm)	1	

56



No. of corners/turns in SSFF is high, the methanol distribution is more uniform compared to DSFF and TSFF

The average methanol concentration for SSFF is 13% higher than TSFF. The corner effect enhances the methanol velocity, which leads to high diffusion rate and current density 58







61

63



#### PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION Final Remarks CHENNAL - 602 105.

- Fuel cell is a three-in-one device: clean, efficient and fuel flexible
- A wide variety of fuel cells are possible for application in a range of temperatures (40 – 1000 °C) and capacities (Watts to Multi Mega Watts) for distributed power generation, transportation and portable equipment
- Fuel cells are in a stage of advanced development and initial commercialization
- The present need is to demonstrate the long-term, reliable, and economically viable operation
- There is a tremendous scope for research and development in almost every aspect of fuel cells, for example, materials, electrochemistry, transport phenomena, and system optimization

### **Research and Development**

- Thermodynamics
- Electrochemistry
- Heat and mass transfer
- Material science: Electrolyte, Anode, Cathode, Catalysts, Bipolar plates/Interconnect layers
- Cell construction: Cell geometry, Stack arrangement, Uniform reactant distribution, Thermal and Water management, Sealing
- Cell performance: Reduction of polarizations, Avoidance of hotspots and flooding, Prevention of carbon deposition and sulphur poisoning, Life, Reliability, Economics

Thank You

Designing the durable Pt-M alloy catalyst for Oxygen Reduction Reaction for PEM Fuel Cells application

> Dr. A. Balamurugan, M.Sc., Ph.D., Advisor H1 Energy Technologies

#### Outline

- Fuel Cell Introduction
- Hydrogen Generation
- Types of Fuel Cells
- Components of PEM FCs
- Thermodynamics & Efficiency of PEM FC
- Challenges of PEM FCs
- ♦ Catalyst for PEM FCs
- Durability of Enhancement of Catalyst for PEM FC
- Activity @ CFCT-IITM research park
- Cost and Durability of PEM FCs-stack



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#### **Fuel Cells**

Chemical Energy into Electrical energy (or) electricity



- AdvantageGreen Energy
- High Efficiency (80 %)
- No Pollution
- o No harmful gases
- o Water (H2O) by
  - product

#### Economy

Green hydrogen is the 'fuel of the future', says Gadkari





It is known to be the cleanest vehicle fuel as tailpipe emissions drop to zero

After electricity, LNG and ethanol it's the turn of hydrogen to get the oudge from the government to be positioned as fuel for mobility of the future.

#### Hydrogen Generation-By Water splitting



Polluting atmosphere by Emitting CO2 into atmosphere

#### Applications of Fuel Cell

- Power Sources in remote area
- Cellular Phone, Laptop and computers
- Used in Hybrid and Electric Vehicles
- Buses, cars, Planes, Boats and Trains

Green energy device



#### **Types of Fuel Cells**

Fuel Carl	Common Factoorde		Typical Stack Size		Applications
Potymae Electronyte Mombrane (PEM)	Pertitions withing acid	10107C 02-72* 50°C	+ INW-ROOKW	EO% Itanspor- tation 15%	Backson power     Portator power     Portator power     Distributed perversion     Distributed perversion     Specially reflected
Alkaline (AFC)	Accepts solution of potassium hydroxide soliced in a matrix	90 103°⊂ 194-212°F	10 ID0 kW	EON	- Millow - texte
Phosphoric Acid (PAFC)	Phos In id soaked	150-200°C 302-392°F	400 kW Tudi kW module	40%	· Distributed seceration
Molten Carbonata (MCFC)	sockum ind/ sockum ind/ information socked in a matrix	500-700°C 1112-12921F	300 LW-5 MW 300 kW module	45-50%	Electric citizity     Cristinibuted deneration
(SOFC)	vitra itala- bod vinces	700-1000°C 1707-1832°F	1W-2MW	60%	<ul> <li>Flecture of inv</li> <li>Distributed generation</li> </ul>

Solid Oxide Fuel Cell (SOFC

#### Material

The cathode material La1-xSrxMnO3, x= (LSM)

Advantages:

- Advantages: All solid component No electrolyte depletion No severe corrosion of the cell/stack+ Because of high operating temp, electrochemical kinetics at electrode fast (Archenius Equation) Non-noble metal catalyst can be used + High temp make it possible for the internal reforming of methane+
- methane Ability to tolerate the presence of impurities in the reactant gas
- streams
- The high operating temperature provides a better system;
- It provides high-quality waste heat for co-generation applications.
   High-energy conversion efficiency (over 70 %)-

### Anode Material:

Nickel-Zirconia Cermet (or) mixture of nickel and YSZNi+YSZ

#### Disadvantages · ÷.

÷ high temp ÷ Very few appropriate materials

The lower-temperature solid oxide fuel cell represents the direction for current and future development







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cente

Science 315 (2007) 220

PtAu alloy, generally, Pt is covered by Au (surface segregation energies)

In PtAuM alloy, Au is covered by Pt



NANC	
Multimetal	Hic Core/Interlayer/Shell Nanostructures as Advanced
	hua Sinder, Muoting Chi, Donggio Li, Karien L. More, Nerad M. Muković,
	mana Payson National Librariang, National Room adults Dated ways, or Mercular Conversion Date (NER National Education) Tel Kings, Televisian (Ner Weinsteinum)
Aim to	design interlayer catalyst- reduce cost/kW
	design interlayer catalyst- reduce cost/kW ransilion metal @ Pt catalyst- minimize Electro inactive Pt
Core-shell to	
Core-shell to Au core Pt s Composition	ransilion metal @ Pt catalyst- minimize Electro inactive Pt

- Considering above drawbacks, transition metal Core/ interlayer of  $A_{\text{L}\text{I}}$  / Pt shell







#### PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105.

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A.I



EDX-Line Mapping for ordered PtFe



#### Contribution of Centre for Fuel Cell Technology (CFCT) to India

@ CFCT

Assembly of 1kW to 10 kW Fuel Cell

\* Testing and demonstration of Fuel Cells Assembly of Air Flow battery

S and 7 kW stack demonstrated @ GAIL, and IOCL.

\$5 kW stack was demonstrated @ GAIL-Noida for about 2 months.

Assembled 1 kW stack using ordered Pt alloy catalyst and activity –durability was

- On Going Activities
- PEM based stack for H2 generation
- Generation of H2 using Methanol Oxidation
   PEMFC components- Research and
   development



Field Test @ GAIL In-house Test @ ARCI-CFCT Operation hour, 20 a : -0 з

PEMFC System Demo. @ GAIL

Fuel Cell Powered R & D Lab

Powar / 15 Operation hour 150kW h 1.6 -1 25 0.5 2.10.

₹ 25

### **RAJALAKSHMI ENGINEERING COLLEGE** AN AUTONOMOUS INSTITUTION

#### Cost, Durability and diagnostic test of durability

#### Cost:

1kW-6 lacs Durability: 6000-6500 hr Operation

**Diagnostic Test for durability** 

I-t Curve Impedance analysis (Measure Resistance) Opportunities

- o Tata Motors and R &D Reliance Energy
- o Nissan

District NVI

INSTITUTION

- o Government R & D
- o Log 9 Materials

10 15 20 Cumulative time / h

- EnArka Electrolyze (Ohmium)
- Toyota R &D
- Bloom Energy
  Central Electrochemical Research (R &D)-Scientist
- o Thermax Energy
- Battery and Electrolyze (H<sub>2</sub> generation)



#### Demonstration- PEMFCs-Key aspects

#### \* Checking of Control system

- \* H2 manifold and gas line-leak check since it was newly **established**
- \* Fixing of H<sub>2</sub> MFC and rotameter
- Thermal and water management
- Installation and fixing of water tank and pump

Installation and demonstration stade installa

• Radiator fixing

÷

- GRID load and Load Bank
- Verification of data connector Stack Operation Manual



#### **Opportunities**

- Approaching Issue with existing problem
   Solution with Swift action
   Reliability of results
   Maintain Constant

- Maintain Good rapport within field and
- Smart & Hard Work



5. NO. Hem

PRINCIPAL **RAJALAKSHMI ENGINEERING COLLEGE** AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105.

#### WORKSHOP ON

Fuel Cells Technology M.Rajkumar (Technical Research consultant)



#### H1- Energy Technologies - Pondichery h1energyandco@gmail.com







#### TECHNICAL CHALLENGES

- Many Challenges in Materials and Materials Processing
  - CO tolerent electrocatelysts
  - Better membranes for PENFC and DMFC
     Intermediate temperature high performance electoodes
  - Intermediate temperature high performance electro
     Low cost fabrication processes for SOFC
  - New materials





### Ideal material for BPPs?

Ideal material for BPPs?

S.N. rempon

AN AUTONEMOUS INSTITUTION PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

### Ideal material for BPPs should possess

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Good electrical conductivity

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- Good electrical conductivity
- High corrosion resistance

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- Good electrical conductivity
- High corrosion resistance
- High mechanical strength
- Light weight
- Low cost etc.

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- Good electrical conductivity
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- High mechanical strength
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### Conventionally

J.D. Heen

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Ideal material for BPPs should possess

- Good electrical conductivity
- High corrosion resistance
- High mechanical strength
- Light weight
- Low cost etc.

### Conventionally

### Conventionally

Graphite & graphite composite plates

Conventionally

• Graphite & graphite composite plates

Low interfacial contact resistance (ICR)

### Conventionally

Graphite & graphite composite plates

□ Low interfacial contact resistance (ICR)

□ High corrosion resistance.



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### Difficulty

Poor manufacturability

leads to high manufacturing cost

Brittleness & Permeability

require the use of fairly thick plates.

### Guidelines for the Design of Molded Bipolar Plates





### Graphite

### Guidelines for the Design of Molded Bipolar Plates



### Alternative material for BPPs

Stainless steel (SS)

### Alternative material for BPPs

### Alternative material for BPPs

### Stainless steel (SS)

Superior manufacturability





### Alternative material for BPPs

#### Stainless steel (SS)

- Superior manufacturability
- Cost effectiveness

### Alternative material for BPPs

#### Stainless steel (SS)

- Superior manufacturability
- Cost effectiveness
- Higher mechanical strength



### Alternative material for BPPs

Stainless steel (SS)

- Superior manufacturability
- Cost effectiveness
- Higher mechanical strength
- Better durability to shock vibration

### Alternative material for BPPs

Stainless steel (SS)

- Superior manufacturability
- Cost effectiveness
- Higher mechanical strength
- Better durability to shock vibration
- No permeability

# Comparison of the main properties between graphite and SS 316

Properties	Density	Thickness	Electrical	Corrosion	Permeability	Modulus
			resistivity	current	for hydrogen	of elasticity
Units	gcm <sup>-3</sup>	mm	Scm <sup>-1</sup>	mAcm <sup>-2</sup>	$cm^{3}cm^{-2}s^{-1}$	MPa
Graphite	2.25	2.50-4.00	1000	<0.01	$10^{-2} \sim 10^{-6}$	4800
SS 316	8.02	0.16	5×10 <sup>6</sup>	<0.1	<10 <sup>-12</sup>	193000

# Comparison of the main properties between graphite and SS 316

Density	Thickness	Electrical resistivity	Corrosion current	Permeability for hydrogen	Modulus of elasticity
gcm <sup>-3</sup>	mm	Scm <sup>-1</sup>	mAcm <sup>-2</sup>	cm <sup>3</sup> cm <sup>-2</sup> s <sup>-1</sup>	MPa
2.25	2.50-4.00	1000	< 0.01	$10^{-2} \sim 10^{-6}$	4800
8.02	0.16	5×10 <sup>6</sup>	<0.1	<10 <sup>-12</sup>	193000
	gcm <sup>-3</sup> 2.25	gcm <sup>-3</sup> mm 2.25 2.50-4.00	resistivity           gcm <sup>-3</sup> mm         Scm <sup>-1</sup> 2.25         2.50-4.00         1000	resistivity         current           gcm <sup>-3</sup> mm         Scm <sup>-1</sup> mAcm <sup>-2</sup> 2.25         2.50-4.00         1000         <0.01	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$

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# Comparison of the main properties between graphite and SS 316

Properties	Density	Thickness	Electrical resistivity	Corrosion current	Permeability for hydrogen	Modulus of elasticity
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SS 316	8.02	0.16	5×10 <sup>6</sup>	<0.1	<10-12	193000
	$\bigcirc$				$\bigcirc$	

### Development process of stainless steel BPPs

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 Composed of four major steps

### Development process of stainless steel BPPs

Composed of four major steps
 (1) flow field design

(1) flow field design



### Development process of stainless steel BPPs omposed of four major

- Composed of four major steps
- (1) flow field design
- (2) forming process for single plate to achieve flow channel



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### Development process of stainless steel BPPs

- Composed of four major steps
- (1) Flow field design

(2) Forming process for single plate to achieve flow channel(3) Joining process to connect two single plates into BPPs

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### Development process of stainless steel BPPs



### Development process of stainless steel BPPs

- Composed of four major steps
- (1) Flow field design

(2) Forming process for single plate to achieve flow channel

(3) Joining process to connect two single plates into BPPs

(4) coating process to improve electrical conductivity and corrosion resistance.







0.5mm 0.8mm 0.85mm 0.95mm 1.0mm
0.8mm 0.85mm
0.8mm
0.5mm
nel Depti



### Stamping process

Product formation





### Single cell Performance



Comparison of MBPP Vs Graphite flow field plates



# Development process of stainless steel BPPs

 Composed of four major steps

(1) Flow field design(2) Forming process for single plate to achieve flow channel(3) Joining process to connect two single plates into BPPs

(4) coating process to improve electrical conductivity and corrosion resistance.



### Coating process for stainless steel BPPs

The corrosion resistance of bare SS316L is still far from satisfactory

- •Acidic (pH 2- 3)
- •Humid, warm (65 90 Deg.C)
- •Polarized PEMFCs environment

Corrosion products of the BPPs would contaminate the

#### catalysts and poison the PEM,

form a passivation layer leading to an increase of

CR between BPPs and GDL as well J.p. New

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### **Coating methods**

- Surface treatments
- Metal nitride coating
- Carbon based coatings
- Other coatings

conductive polymers

&

composite films

### **Development in Surface Treatment**

Table 3 – A s	summary of recent deve	lopments of coating process	for stainless steel BPPs.
Category	Film material	BPPs material	Coating method
Surface	Cr	SS316L	Electrochemical surface treatment
treatments	Cr	SS316L	Pack cementation technique
	Cr	SS316L	Lower temperature chromizing treatment
	Cr	Low-carbon steel AISI 1020	Reforming pack chromization process
	W, Ta and La	Austenitic stainless steel	Tungsten modification
	Carburized layer	SS316	Low temperature carburization
	Cr <sub>2</sub> N	AISI316L and SS349	Thermal nitridation
	Cr-nitride	SS446M	Thermal oxi-nitridation
	Cr-nitride	V modified Fe-27Cr	High-temperature nitridation
	γ <sub>N</sub> phase	SS316L and SS304	Plasma nitriding
	Cr-nitride	AISI 316L	Inductively coupled plasma nitriding
	Ni and Cr	SS316L	lon implantation

### **Development in Surface Treatment**

Category	Film material	BPPs material	Coating method
Metal nitride	CrN film	AI-5083 and \$\$316L	PVD and AIP
coatings	CrN/Cr film	SS316L	PVD, AIP and UMDCS
	TiN film	SS316L and SS410	PVD and AIP
	TaN film	55316L	ICP-ARMS
	NbN film	SS304	PSDA
	Polyamide-imide (PAI) filled with carbon black	55316L	Painting technology
Carbon-based	Pure carbon film	SS304 and SS316L	CVD and MS-PVD
coatings	CNTs and CNFs	AISI 316	CVD
	a-C film	\$5304 and \$\$316L	ECR-PS and CFUBMSIP
	a-C film	Titanium	RF-PECVD
	Zinc doped DLC	Silicon substrates	KrF pulsed laser deposition method
	B and Si doped DLC	Silicon substrates	Magnetron sputtering technique
	B-containing DLC	SS304	Spincoating
	Carbon-silica-polyaniline	\$\$304	Spincoating
	Cr-C film	S5316L	PBAIP
	Cr-C film	SS304	Electroplating
	Cr-C/a-C:Cr	S\$316L	CFUBMSIP
	TI-C	55304	High-energy micro-arc alloying process
	TI-C:H	\$\$304	PECVD
	NbC	ALSI 304	Plasma surface diffusion alloying
	ZrC	SS316L and 304L	Magnetron sputtering etc
	Cr–N–C film	\$\$316L	CFUBMSIP
	C-CrN,	SS316L	CFUEMSIP
	C-Al-Cr-N	SS316L	CFUBMSIP
	C/Cr-Ti-N	55316L	CEUBMSTP

### Development in other coatings

Category	Film material	BPPs material	Coating method
Other coatings	PPy	SS316L	Galvanostatic and cyclic voltammometric methods
•	PPy	SS304	Electrochemical polymerization
	PPy and PANI	SS304	Electrodepositions
	Ag-polytetrafluoroethylene composite layer	SS316L	Sputter coating
	Nylon-6 polymer carbon black/epoxy resin	SS316L SS304	Injection molding
	PAI with carbon black nanocomposite-carbon	SS316L SS316L	painting technology
	SnO <sub>2</sub>	316L, 317L, 349, 441, 444 and 446	Low-pressure CVD
	Nb-clad	SS304	Roll bonding process

### Development process of stainless steel BPPs



### Assembly process for stainless steel BPPs stack

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### Assembly process for stainless steel BPPs stack

Hundreds of single cells connected in series to form a PEMFCs stack to provide sufficient power & desired voltage.

### Difficulty

In Detail Manufacturing error for metallic BPPs

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Schematic of PEMFCs stack (a) dimensional error, (b) shape error and (c) assembly error of metallic BPPs in PEMFCs stack.

### Difficulty

#### In Detail Manufacturi

Manufacturing error for metallic BPPs

Dimensional error



### Difficulty



Manufacturing error for metallic BPPs

Dimensional error Variation in channel height



Schematic of PEMFCs stack (a) dimensional error, (b) shape error and (c) assembly error of metallic BPPs in PEMFCs stack.
# Difficulty

In Detail

Manufacturing error for metallic BPPs

Dimensional error Variation in channel height

1
Schematic of PEMFCs stack (a) dimensional error, (b) shape error and (c) assembly error of metallic BPPs in

In Detail Shape error

# Difficulty



Schematic of PEMFCs stack (a) dimensional error, (b) shape error and (c) assembly error of metallic BPPs in PEMFCs stack.



In Detail

Shape error

Residual stress in the stamping process

&

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# Difficulty



Schematic of PEMFCs stack (a) dimensional error, (b) shape error and (c) assembly error of metallic BPPs in PEMFCs stack.

# Difficulty

### In Detail

Shape error Residual stress in the stamping process & Thermal stress in the welding process



### In Detail

Assembly error

# Difficulty



Schematic of PEMPCs stack (a) dimensional error, (b) shape error and (c) assembly error of metallic BPPs in PEMPCs stack.



PEMPCs stack.





# Difficulty

In Detail Assembly error



# Conclusions and outlook

Flow field design for stainless steel BPPs should consider the



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### Conclusions and outlook

Flow field design for stainless steel BPPs

should consider the

- PEMFC performance
- o Sheet formability.
- o Manufacturing errors

.....during design stage.



### Achievement

Microforming Modes	BPPs size (mm)	Feature size (mm)	Materials	Thicknes: (µm)
Microstamping	70 × 70	Channel depth 0.75, channel width 1.5	SS316L	51
	50 × 50	Channel depth 0.75, channel width 0.8, rib width 1.2	SUS304	50
	54 × 50	Channel depth 0.6, channel width 1.4, rib width 0.8	SU\$304	100
		Channel depth 0.45, 0.55, 0.60 and 0.65, channel width 0.75, nb width 0.75	SS304	150
Hydroforming		Channel depth 0.15 and 0.98, channel width from 0.46 to 1.33	S\$304	51
	8	Channel depth from 0.4 to 1.2, channel width from 0.8 to 1.6	\$\$304	100
	100 × 100	Channel depth 0.75, channel width 1.5	SUS304	100
Rubber pad		Channel depth 0.6, channel width 0.8 and 1.2	55304	100
forming	66 * 66	Channel depth 0.5, channel width 0.8, rib width 1.2	SS304	100
	66 * 66	Channel depth 0.6, channel width 0.6, 0.8, 1.2, 2.0	SS304	100
Electromagnetic forming	7 <b>8.5 ×</b> 63	Channel depth 0.26	SS439	100
Rolling	106 × 106	Channel depth 1.5-20	Copper alloy (C-17,200)	250
EDM	50 × 50	Channel width 0.5, rib width 0.5, channel depth 0.3 and 0.5	5US 316L	100
	20 × 20	Channel depth 0.6, channel width 0.5, rib width 0.5	SUS 316L	2000
EMM	50 × 50	Channel depth 0.2, channel width 0.5	SS316	600
LIGA with	$40 \times 40$	Channel depth 0.2, channel width 0.3	SS304	2600

# **Commercial Stack**



# **Commercial Stack**





FUTURE APPLICATIONS

Application	Size (kW)	Fuel cell	Fuel
Power systems for portable electronic devices	0.001–0.05	PEMFC DMFC SOFC	hydrogen methanol methanol
Micro-Combined Heat and Power	1–10	PEMFC SOFC	LPG Natural gas, LPG
Auxillary power units	1-10	SOFC	LPG
Distributed Combined Heat and Power	50-250	PEMFC MCFC SOFC	natural gas natural gas natural gas
City buses	200	PEMFC	hydrogen
Large power units	1000–10,000	SOFC/GT	natural gas

# **Opportunities**

- Fuel cell Testing Engineer
- Fuel cell stack development Engineer
- Fuel cell Catalyst Ink specialist
- Fuel cell BoPs Developer
- Fuel cell modelling Engineer
- Fuel production Engineer Electrolyser
- Fuel reforming Engineer

Making Hydrogen rich gasses



# Thank You...

J.N. De

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### **SUMMARY OF THE WORKSHOP**

### **OBJECTIVE**

The objective of organizing this workshop is to create awareness among the student about energy scenario, new and renewable energy conversion technology and its impact on society. India's demand is increasing day by day as the population is increasing. Though there are different energy conversion technologies, India could not meet its energy demand. The reason is clean, renewable energy conversion technologies are under development and the existing fossil fuels are depleting in near future. India is importing coal, oil and gas from neighbor countries. Even electricity is imported from Bhutan and Nepal.

Honorable Prime Minister Modi announced Hydrogen Mission on 75<sup>th</sup> independence day. The aim of this mission is to produce green hydrogen and make core industries such as steel, chemical and cement industry to use hydrogen as major source for heat release and power generation. In the current scenario, it is necessary to organize a Workshop on Fuel Cell Technology to explore new opportunity to develop a power source for mobile and stationary applications.

### **SUMMARY OF THE EVENT:**

The program started at 10.30 AM in the Main Seminar Hall with 108 students from various departments such as Automobile, Chemical and Mechanical. Dr. K. Bhaskar, HOD of Automobile Engineering presented a brief introduction of the workshop. Followed by Dr.B.Mullai Sudaroli, she talked about applications of different fuel cells. She started her experience in fuel cell simulation and talked about her Ph.D work on Direct Methanol Fuel Cell. Mr. Rajkumar shared his experience on bipolar plate design and fabrication issues. Finally Dr.A.Balamurugan talked about catalysis for oxygen reduction reaction.

The experts displayed fuel cell components such as bipolar plates, (Membrane Electrode Assembly) MEA, current collectors, gasket and end plates. Mr. Rajkumar showed free breathing fuel cell stock and explained about its working and applications. Dr.B.Mulllai Sudaroli showed single cell (Direct Methanol Fuel Cell) and explained about its components and effect of operating parameters on cell performance. Students actively participated in the entire program and showed interest to explore knowledge on Fuel Cell. Dr.A.Balamurugan explained about the importance of catalyst. He mentioned that catalyst used in fuel cell is expensive, less durable which limits the commercialisation of fuel cell.

### OUTCOME

Feedback form is shared and collected from the students. It is seen that most of the students were happy about the workshop and learned new information in the fuel cell technology. Hands on session helped the students to understand even better. As the outcomes this workshop, the students were interested to develop fuel cell stack model for electric vehicle. It is planned to organize seminars on fuel cell technology. E-Certificates also sent through email to the participants.

**Event Coordinator** 



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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEG AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105,

Head of the Department



# RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

### Guest Lecture on 'Brain Awareness Week 2022'

### Index

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2	Brochure		
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4	Speaker Profile (s)		
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8	Photographs		
9	Feedback from the Participants		
10	Feedback from the speakers		
11	Event Report		



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5. 10. Mu

# RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF BIOMEDICAL ENGINEERING

03.3.22

### Submitted to the Principal

It is proposed to conduct "Brain Awareness Week 2022" on 17.3.22 from 10.00 AM to 3.00 PM for II, III, and final-year BME students This program will be coordinated by Ms.Karuppathal E, AP, Mrs. Subathra Y, AP, Mrs. Sai Divya R, AP, and Mr. Krishnakumar S, AP of Dept of BME of our college. Besides oral and poster presentations have been scheduled for the students to showcase their writing and presentation skills. I seek your kind approval in this regard.

Approved sister



RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai



### DEPARTMENT OF BIOMEDICAL ENGINEERING

### ANNOUNCEMENT

### 11.03.2022

We would like to inform and invite all the students and faculty members for the "Brain Awareness Week 2022" which is scheduled on 17.03.22. We have planned to conduct the following On-spot events and pre-planned events:

### **On-Spot Events**

- > Quiz
- Debate

### **Pre-Planned Events**

- Poster Design
- > Article Writing

Students who are interested in participating Poster design & Article writing are requested to fill in the google form via the link given below:

https://docs.google.com/forms/d/e/1FAIpQLSfFuhGaau3fGeBJPF3rLkmK7jLI 2AHZVel7pqtjCqRSwOM0vA/viewform?usp=sf\_link

The Title for Poster design & Article writing is "Mental Health and Daily Practices".

Last date of submission of Poster & Article is: 14.03.2022

For any queries contact the following faculty coordinators

- 1. Ms.E.Karuppathal, AP/BME
- 2. Mrs.Y Subathra, AP/BME
- 3. Mrs.R.Sai Divya, AP/BME
- 4. Mr.S.Krishnakumar, AP/BME

DIBME

J. W. Hupon

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105



GINEE





### Kalpana R <kalpana.r@rajalakshmi.edu.in>

Thu, Mar 3, 2022 at 2:12 PM

### Invitation for lecture series

**Kalpana R** <kalpana.r@rajalakshmi.edu.in> To: sriman.doc@gmail.com

Dear Dr Sriman,

Greetings! I am writing this email with reference to our telephonic conversation.

We are planning to organise lecture series during brain awareness week between March 14 and 22 of 2022. In this regard, I invite you to talk about mental health, highlighting ayurvedic principles that could be followed in our daily life.

Target audience: UG and PG students, faculty members Venue: Rajalakshmi Engineering College, Chennai

Tentative date: 17-03-2022

Looking forward to hearing from you.

With regards Dr R. Kalpana Professor, BME, REC

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### Invitation for lecture series

**Dr.S.Sriman Narayanan** <sriman.doc@gmail.com> To: Kalpana R <kalpana.r@rajalakshmi.edu.in>

Thank you for the mail. I confirm my participation for the same

Thanks and regards Kindly let me know the timings.

Dr. Sriman [Quoted text hidden] Thu, Mar 3, 2022 at 4:59 PM

Kalpana R <kalpana.r@rajalakshmi.edu.in>

PRINCIPAE RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAN. CHENNAL - 602 105





Krishnakumar S <krishnakumar.s@rajalakshmi.edu.in>

# Brain Awareness Week 2022- Events and submission date Announcement 2 messages

Subathra Y <subathra.y@rajalakshmi.edu.in>

Fri, Mar 11, 2022 at 9:33 PM

To: 2018 Group BME <2018.bme@rajalakshmi.edu.in>, 2019.bme@rajalakshmi.edu.in, 2020-24 Batch Biomedical Engineering <2020.bme@rajalakshmi.edu.in>

Cc: Staff\_BME <staff\_bme@rajalakshmi.edu.in>, Rajkumar Bio Medical Engineering <hod.bme@rajalakshmi.edu.in>

### DEPARTMENT OF BIOMEDICAL ENGINEERING

### **ANNOUNCEMENT**

11.03.2022

We would like to inform and invite all the students and faculty members for the "Brain Awareness Week 2022" which is scheduled on 17.03.22. We have planned to conduct the following On-spot events and pre-planned events:

### **On-Spot Events**

> Quiz> Debate

### **Pre-Planned Events**

▶ Poster Design

> Article Writing

Students who are interested in participating Poster design & Article writing are requested to fill in the google form via the link given below:

https://docs.google.com/forms/d/e/1FAIpQLSfFuhGaau3fGeBJPF3rLkmK 7jLI2AHZVel7pqtjCqRSwOM0vA/viewform?usp=sf\_link

The Title for Poster design & Article writing is "Mental Health and Daily Practices".

Last date of submission of Poster & Article is: 14.03.2022

For any queries contact the following faculty coordinators

- 1. Ms.E.Karuppathal, AP/BME
- 2. Mrs.Y Subathra, AP/BME
- 3. Mrs.R.Sai Divya, AP/BME
- 4. Mr.S.Krishnakumar, AP/BME

Subathra.Y, Assistant Professor, Department of Biomedical Engineering, Rajalakshmi Engineering College Contact: 9962524041



2 attachments

Brain Awareness week Announcement.jpg 337K

#### 9/2/22, 8:10 AM

Rajalakshmi Engineering College Mail - Brain Awareness Week 2022- Events and submission date Announcement



Brain Awareness week Announcement.pdf 348K

**Karuppathal E** <karuppathal.e@rajalakshmi.edu.in> To: Subathra Y <subathra.y@rajalakshmi.edu.in> Cc: 2018 Group BME <2018 hme@rajalakshmi.edu.ii

Mon, Mar 14, 2022 at 8:01 PM

Cc: 2018 Group BME <2018.bme@rajalakshmi.edu.in>, 2019-2023 batch BME <2019.bme@rajalakshmi.edu.in>, 2020-24 Batch Biomedical Engineering <2020.bme@rajalakshmi.edu.in>, Staff\_BME <staff\_bme@rajalakshmi.edu.in>, Rajkumar Bio Medical Engineering <hod.bme@rajalakshmi.edu.in>

Dear Students,

Gentle reminder for submission of Articles and Posters. Deadline is today.

Also chart works for Brain awareness week is encouraged.

### Note: Submit article in word format. Mention your name, roll no, year in your article or poster.

With thanks & regards,

Karuppathal.E, Assistant Professor, Department of Biomedical Engineering, Rajalakshmi Engineering College, Chennai-602 105.

[Quoted text hidden]



J. L. Hunger

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105 **Speaker Profile** 



Dr. S. Sriman Narayanan did his M.D in Mano Vigyan Evam Manasa Roga and M.Sc in Psychology. Currently, he is working as a Consultant Psychiatrist in the field of Ayurveda and Psychologist in Dhanwanthralaya, Ayurveda Speciality hospital based in Chennai. His additional post includes Assistant Professor in the PG Department of Kaya Chikitsa at Sri Jayendra Saraswathi Ayurveda College and Hospital, Nazarathpet, Chennai. He has given many guest lectures and seminars on Psychology.



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# AGENDA

# **Brain Awareness Week 2022**

### Organized by

Department of Biomedical Engineering Rajalakshmi Engineering College Thandalam, Chennai- 602105 Website: www.rajalakshmi.org

### Date: 17th MARCH 2022

10:20 am to 10:40 am	:	Prayer song and Welcome address
10:40 am to 11:10 am	:	Video of Dr. Belle Monappa Hegde
11:10 am to 12:15 pm	:	Talk by Dr. S. Sriman Narayanan
12:15 pm to 01:00 pm	:	Lunch
01:00 pm to 02:50 pm	:	Brainstorming session
02:50 am to 03:00 pm	:	Closing ceremony



"Be a lifelong student — Brian Tracy"



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	DEPARTMENT OF	BIOMEDICALENGINEERING	DALAM
		BATCH 2024	
S.NO	<b>REGISTER NUMBER</b>	NAME	YEAR
1	200301001	AADITHYAN MS	П
2	200301002	ABHIRAMI V	Π
3	200301003	ABISHA E	п
4	200301004	AKASH P S	п
5	200301006	ARCHITA K	П
6	200301007	ARUN S	П
7	200301008	Ashwin Kumar J	П
8	200301009	BHARATI B J	п
9	200301010	DAEVIN BENNETT BI	Ш
10	200301011	DEEPAK RAMESH	I
11	200301012	DEEPIKA K	П
12	200301013	DHANAPRATHAN M	П
13	200301014	DHANYA V	П
14	200301015	DHARANIKA G R	П
15	200301016	DIVYA JANANI G	П
16	200301017	DURGA R	П
17	200301018	GOKULAKANNAN D	П
18	200301019	GOKULKUMAR M	п
19	200301021	HAARISHA PARVEEN H	П
20	200301022	HARINI O K	I
21	200301023	HARISH KANNA OM	I
22	200301024	HARSHAVARDHINI S	I
23	200301025	HARSHVARTHINI G	
24	200301026	HEMACHANDHIRAN S	П
25	200301028	JAYANTH C	п
26	200301029	JEETINDRIYA S	п
27	200301030	JERUSHA J	п
28	200301031	JOSHIN JAIJU	П
29	200301032	JOSHNA JAMES	п
30	200301034	KAVIYA M	П
31	200301035	KAVYA A S	П
32	200301036	KIRUTHIKA R	П
33	200301037	KIRUTHITHA JEYARAM	п
34	200301038	KRISHNA M	П
35	200301039	KUMARAN S	П
36	200301040	LOKESH T	I
37	200301042	MADHUMITHA S P	П
38	200301043	MADHUSHREE P	Π
39	200301044	MAGESHWARI S	П
40	200301045	MANESAA VJS	П
41	200301046	MANICKAVASAN R	П
42	200301047	Manikandan S	П
43	200301048	MIDHUN K	П
44	200301049	MIDHON K MITHELEE H	<u>п</u>
45	200301051	MOHAMED IMRAN S	П

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46	200301052	MOHAMMED AASIM S	Π
47	200301053	MOHANVISHWA V	Π
48	200301054	NANDHITHA T	П
49	200301055	NARMADHA S	II
50	200301056	NATARAJAN R	П
51	200301057	Navaneetha Krishnan M	Π
52	200301058	NAVEEN L	Π
53	200301059	OVIYA S	П
54	200301060	PASUPATHI PANDIA KANNA S P	П
55	200301063	Prasanna M	Π
56	200301064	PRASANTH G	П
57	200301066	RAJESH KUMAR E	Π
58	200301067	REVATHI M C	П
59	200301068	RITHA M R	П
60	200301069	ROHITH S	П
61	200301070	ROSHINI J	П
62	200301071	SABARISHRAJ S	п
63	200301072	SADHANA C	П
64	200301073	SANCHANA R	П
65	200301074	SANTHOSH C	Π
66	200301075	Sarath Raj S	Π
67	200301076	SHARADA SRIRAM	Π
68	200301077	SHERYA RAGHUPATHY	П
69	200301078	SHREE SANTHOSHINI S	П
70	200301079	SHRISARAN L R	П
71	200301080	SONIA A	п
72	200301081	SRI RANGAYEE M	П
73	200301083	SRINIDHI R	П
74	200301084	SRINIDHI S R	П
75	200301085	SUDHEESHANA S	П
76	200301087	SYED SARFARAAZ AMEEN	П
77	200301088	UDHAYAKUMAR R	П
78	200301089	VARSHA SANTHOSH	П
79	200301091	VARSHINI S	П
80	200301092	VARSHITHA R	π
81	200301093	VEDAVALLI J	П
82	200301094	YAZHINI D K	П
83	200301095	YAZHISAI S	П
84	200301096	GRACE MANO CHELSEA B	п
85	200301097	PAVITHRA N	
86	200301501	DEEPAK M	<u>п</u>
87	200301502	NETHAJI VIGNESHWARAN M	П



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	DEPARTMEN	T OF BIOMEDICAL ENGINEERING	
S.NO.	REG. NO.	BATCH 2023 NAME	YEAR
1	190301001	ADHITHIYA A	
2	190301001	AKSHAYA N	
3	190301002	AKSHAYA S J	
4	190301003	ANANTHA VETRIVEL V C	
5	190301004	ANCY LEENA RAJAM R	
6	190301005	ARJUN BHATTACHARYA	
7	190301007	BALACHANDER P	
8	190301009	BHARATH S	
9	190301009	CHANDRASEKAR G E	
10	190301010	CHARAYYSWERRYA N	
10	190301012	DEEPALAKSHMI V	
12	190301012	DEEPALAKSHMI V DEEPIKA M	
12	190301013		m
13	190301014	DEEPIKA P	
14	190301015	DHANUSHA P	
16	190301016	DHARANI G	m
		DIVYA BHARATHI V A	III
17	190301018	ESTHER S N SHAMA	m
18	190301019	EVANGELINE P	III
19	190301020	FIONA ANIL KUMAR	m
20	190301021	GAYATHRI G	Ш
21	190301022	GAYATHRI P	Ш
22	190301023	GAYATHRY E	III
23	190301024	GOKUL RAJ A	m
24	190301025	HARINI C S	Ш
25	190301026	HARINI DEVI K G	ш
26	190301027	JAYASANKARI E	m
27	190301028	JEFFI CATHERINA P	III
28	190301029	JESWIN BETCY J	m
29	190301030	KARTHIKEYAN S	Ш
30	190301031	KEERTHANA K S	III
31	190301032	KRITHIKA G K	III
32	190301033	LAKSHMI PRIYA G	Π
33	190301034	LITHIGA P	Ш
34	190301035	LOKESH KUMAR R	Ш
35	190301036	LOKESH P	III S. L. Hungar
36	190301037	MADHAV M	PRINCIPAL
37	190301038	MADHAVAN R	RAUALANSHMI ENGINEERING COL
38	190301039	MADHUMITHA S	TIAN AUTONOMOUS INSTITUTIO
39	190301040	MALATHI M	IIITHANDALAM, CHENNAL - 602 10
40	190301041	MANIKANDAN S	Ш
41	190301042	MEGHA A	<u> </u>
42	190301043	MOHAMED ISMAIL S	TTT
43	190301044	MONISHAA K M	
44	190301045	MRITHIKA S	

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45	190301046	NANDAKUMAR T	Ш
46	190301047	NANDHINI S	
47	190301048	NAVEENA B R	Ш
48	190301049	NITA F	ш
49	190301050	NITHILA J	Π
50	190301051	NIVEDHA E	Π
51	190301052	NOEL MATTHEW THOMAS	<u> </u>
52	190301105	KRISHNAKUMAR L (DOJ: 07.08.2019)	
53	190301053	PAVITHRA JANANI. D	m
54	190301054	PONNI S K	
55	190301055	PRADEESH V	<u> </u>
56	190301056	PRASIGA M	
57	190301057	PRATHYUSHA A	
58	190301058	PRAVEEN BABU K	
59	190301059	PRAVEEN S	
60	190301060	PREETHI S	m
61	190301061	PREMANANDH M	
62	190301062	PRIYAA DHARSHINI V S	
63	190301062	RAJESH KUMAR S	
64	190301064	RAKSHITA C	
65	190301065	RAKSIDAA P	m
66	190301066	RAMACHANDRAN M	
67	190301067	RETHNAMALA P	<u> </u>
68	190301068	ROSHINI B	
69	190301069	RUBIKA GRACE R	
70	190301070	SAIRAM V A	
71	190301071	SAJANA CHRISTINE	<u> </u>
72	190301072	SAKTHI PRIYA C	
73	190301073	SAMEENA BANU A	<u> </u>
74	190301074	SAMYUKTHA KAPOOR R	
75	190301075	SANDHIYA N	
76	190301076	SANJAY KUMAR U	
77	190301077	SARAN V	
78	190301078	SARANYA KRISHNAN V	
79	190301079	SARANYA R	m III
80	190301080	SARATH V	III III
81	190301081	SARAVANARAJAN S	 
82	190301082	SAVITHA S	II S. p. Hunger
83	190301083	SHANMATHI S D	TT
84	190301084	SHAYAM M	
85	190301085	SHEHNAZ S	RAJALAKSHMI ENGINEERING COLL
86	190301086	SHIVANI GURUMOORTHY	AN AUTONOMOUS INSTITUTIO
87	190301087	SHIVAU COROMOOR III SHIVANE V	IT AN AUTONOMOUS INSTITUTIO
88	190301088	SHRILEKHA T	
89	190301089	SILVIYA JEBASTINA A	
90	190301090	SIVASANJEEVI R	Ш
91	190301090	SNEHA T	III III III III III III III III III II
	170001071		

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93	190301094	SUBHA SHREE A	Ш
94	190301095	SUBHASHINI RAJA MARY B	Ш
95	190301096	SWETHA R	III
96	190301097	TAMILARASAN A	Ш
97	190301098	VARUN K	Ш
98	190301100	VARUN VISWESVARAN R	Ш
99	190301101	VETHASVANI A	Ш
100	190301102	VIGNESH R	Ш
101	190301103	VISHALI N	Ш
102	190301104	YUKESH M	Ш
103	190301107	NIKHITHA M	Ш
104	190301701	SANTHOSHKUMAR R	ш
105	190301702	SHIYAM KUMAR V	Ш

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105

	DEPARTMENT O	F BIOMEDICAL ENGINEERING	r T	
		BATCH 2022		
SL.NO	REGISTER NO	STUDENT NAME	YEAR	
1	180301001	ADITHYA K RAMAN	IV	
2	180301002	AKSHARA ASHOK	IV	
3	180301003	AKSHAYA P R	IV	
4	180301004	AKSHAYA R	IV	
5	180301005	ANGEL MERLINE S	IV	
6	180301006	ANUDHARSH R S	IV	
7	180301007	APARNA VENKATESAN	IV	
8	180301008	ARAVIND M	IV	
9	180301009	ATHAF KHANAM N	IV	
10	180301010	BHARGAVI S	IV	
11	180301011	BHUVANESHWARI A	IV	
12	180301012	BRISHILA B S	IV	
13	180301013	CHASHANTHIKA S	IV	
14	180301014	CHITRA M	IV	
15	180301015	DEEPA.K	IV	
16	180301016	DEEPSIKA D	IV	
17	180301017	DHANALAKSHMI V	IV	
18	180301018	DINESH PRABHU G	IV	S. L. Heungem
19	180301019	GIRIDHARAN R	IV	PRINCIPAL
20	180301020	GIRIJAA M	REVALA	SHMI ENGINEERING COLLE
21	180301021	GOKUL KISHORE L	INN AL	TONOMOUS INSTITUTION
22	180301022	HARINI B G B	IVHAN	ALAM, CHENNAL - 602 105
23	180301023	HENAJANET P J	IV	
24	180301024	JAYASHREE S	IV	- Martin
25	180301025	JEEVITHA A	IV	31 UGINELAINE
26	180301026	KARISHMA A	IV	AUTANAN E
27	180301027	KEERTHANA K	IV	INSTITUTION
28	180301028	KEERTHANA S	IV	Tensiem Chennelis St
29	180301029	KINGSLY YESUDAS E	IV	- retringer
30	180301030	KIRAN BIHARI	IV	
31	180301031	KISHORE KUMAR R	IV	
32	180301032	LENIN M	IV	
33	180301033	MADHANBABU M	ΓV	
34	180301034	MADHAVAN N	IV	
35	180301035	MAHALAKSHMI A	IV	

36	180301036	MAHALAKSHMI AKALYA P	IV
37	180301037	MALAVIKA S	IV
38	180301038	MALLIKA SENTHIL	IV
39	180301039	MEENA P	IV
40	180301040	MOHANLAL M	IV
41	180301040	MUNEESHWARI K	IV
42	180301041	NAMRATHA	IV IV
43	180301042		
44		NEPPALLI SATISH CHOWDARY	IV
	180301044	NIRMAL RAJ	IV
45	180301045	NISHA.T	IV
46	180301046	NISHANTHINI R	IV
47	180301047	NITHIAASHREE.S	IV
48	180301048	POOVIZHI K	IV
49	180301049	PRASANTH KUMAR R	IV
50	180301050	PRAVEEN KUMAR K	IV
51	180301051	PRAVEEN KUMAR P	IV
52	180301054	RAGUL DEEPAN M	IV
53	180301501	JANAKI S (L/E)	IV
54	180301052	PREETHI K	IV
55	180301053	PRIYANKA R	IV
56	180301055	RAMAMOORTHY M	IV
57	180301056	RAMYA EA	IV
58	180301057	RASHMI G	IV
59	180301058	REENU U	IV
60	180301059	RESHMA.S	IV
61	180301060 180301061	ROSHINI.V	IV
62	180301061	SAI NIVEDHA.M	RAVALAI
63 64	180301062	SAMPRRITHI.V SANGEETHA J	-AN AL
65	180301065	SANGEETHA.R	IV IV
66	180301067	SARABU NISHA BEGUM J	IV
67	180301068	SARANYA M	IV
68	180301069	SARUMYAA.M	IV
69	180301070	SATHEESH RAJA P	IV
70	180301071	SATHIYA NARAYANAN C M	IV
71	180301072	SHALINI P R	IV
72	180301073	SHALINI.G	IV
73	180301074	SHARMILA R	IV
74	180301075	SHARUBINI K	IV
75	180301077	SHREEVARSHNI S	IV
76	180301078	SHREYA RAO	IV
77	180301079	SHRUTHI K IV	
78	180301080	SIVARANJANI.D IV	
79	180301081 180301082	SNEHA E	IV
80	100301082	SNEHA N	IV

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81	180301083	SOWMIYA DEVI S	IV
82	180301084	SRADHA SHAJ	IV
83	180301085	SUDHARSAN S	IV
84	180301086	SULOCHANA R	IV
85	180301087	SUMAIYA.M.R	IV
86	180301088	SUNIL KUMAR K	IV
87	180301089	SUTHEESH R	IV
88	180301090	SWARNAPRABA G V	IV
89	180301091	SWETHA S	IV
90	180301092	SWETHA.R	IV
91	180301093	TAMILARASAN S	IV
92	180301094	THAMIL SELVI S	IV
93	180301095	THIVYA A C K	IV
94	180301096	TOSHIYA I	IV
95	180301097	VASANTH N	IV
96	180301098	VISHWAA.K	IV
97	180301099	YOGITHA S	IV
98	180301100	YUVASHREE C	IV
99	180301101	YUVASHRI K	IV
100	180301102	RAMYA D (DOJ 30.08.2018)	IV
101	180301103	МАЛЛІМА	IV

No. of Students

II BME - 87 III BME - 105 IV BME - 101 Total - 293



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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105









S.No	Roll No	II YEAR -BME A	
1	200301001	AADITHYAN MS	Signature
2	200301002	ABHIRAMI V	Mrs Acdithyar
3	200301002	ABISHA E	V. Alming
4	200301003	AKASH P S	Atisla 3
5	200301004	ARCHITA K	Cand PS
6	200301007	ARUNS	Archite
7	200301008	Ashwin Kumar J	Atura
8	200301009	BHARATI B J	Atuses
9	200301010	DAEVIN BENNETT BI	50
10	200301011	DEEPAK RAMESH	Latte
11	200301012	DEEPIKA K	
12	200301013	DHANAPRATHAN M	K Dea
13	200301014	DHANYA V	Thapathat .
14	200301015	DHARANIKA G R	
15	200301016	DIVYA JANANI G	Durahale
16	200301017	DURGA R	es.
17	200301018	GOKULAKANNAN D	east
18	200301019	GOKULKUMAR M	Generation
19	200301021	HAARISHA PARVEEN H	- Carl
20	200301022	HARINI O K	Harrihe H.
21	200301023	HARISH KANNA OM	Hanny
22	200301024	Harshavardhini S	Springhkang. Cr
	200301025	HARSHVARTHINI G	a. Hulli
	200301025	HEMACHANDHIRAN S	G.Hast .
	200301028	JAYANTH C	Stlem22
	200301028		Jap
	200301029	JEETINDRIYA S	Hattas
-		JERUSHA J	Jourha
0	200301031	JOSHIN JAIJU	Joshin



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105

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		II YEAR -BME A	
S.No	Roll No	Name	Signature
29	200301032	JOSHNA JAMES	Joshung-
30	200301034	ΚΑΥΙΥΑ Μ	Kauge
31	200301035	KAVYA A S	den
32	200301036	Kiruthika R	Kirwa
33	200301037	KIRUTHITHA JEYARAM	Kim by gy
34	200301038	KRISHNA M	A. frahag
35	200301039	KUMARAN S	Star -
36	200301040	LOKESH T	725-
37	200301042	MADHUMITHA S P	Madhumitha. S-P
38	200301043	MADHUSHREE P	P. Madhushace
39	200301044	MAGESHWARI S	S. Mageshwar
40	200301045	MANESAA VJS	Managa VJ-S
41	200301046	MANICKAVASAN R	Marid
42	200301047	Manikandan S	Mori
43	200301048	MIDHUN K	K. Maie



J. N. Henry

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM. CHENNAI - 602 105









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1

S.No Roll No Name			
1	200301049	MITHELEE H	Signature
2	200301051	MOHAMED IMRAN S	Hulthelee.
3	200301052	MOHAMMED IMRAN S MOHAMMED AASIM S	Simpuon
4	200301053	MOHANVISHWA V	a http
5	200301054	NANDHITHA T	Malun
6	200301055	NARMADHA S	Nohis 1
7	200301056	NATARAJAN R	Nounapo-S.
8	200301057	Navaneetha Krishnan M	R. Natory 5
9	200301058	NAVEEN L	NARI
10	200301059	OVIYA S	a Nous
11	200301060	PASUPATHI PANDIA KANNA S P	Origa.S
12	200301063	Prasanna M	Stanpatho
13	200301064	PRASANTH G	prosama
14	200301066	RAJESH KUMAR E	MEAL
15	200301067	REVATHI M C	E. Handland
16	200301068	RITHA M R	Revenut.
17	200301069	ROHITH S	pitter
8	200301070	ROSHINI J	Rohm S
9	200301071	SABARISHRAJ S	Rosh nº .
0	200301072	SADHANA C	Staberid
1	200301073	SANCHANA R	(Sage
2	200301074	SANTHOSH C	Eanchane R
3	200301075	Sarath Raj S	cht
4	200301076	SHARADA SRIRAM	South
5	200301077	SHERVA BACHUDATUR	handal
5	200301078	SHERYA RAGHUPATHY	Shreya-Ru
	200301079	SHREE SANTHOSHINI S SHRISARAN L R	And the



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105

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### 17.03.2022

		II YEAR -BME B	
S.No	Roll No	Name	Signature
28	200301080	SONIA A	
29	200301081	SRI RANGAYEE M	A. Course
30	200301083	SRINIDHI R	C
31	200301084	SRINIDHI S R	Newjahri
32	200301085	SUDDEESHANA S	1 1 1
33	200301087	SYED SARFARAAZ AMEEN	. Juderhan
34	200301088	UDHAYAKUMAR R	anhans
35	200301089	VARSHA SANTHOSH	1 100 1
36	200301091	VARSHINI S	Valit
37	200301092	VARSHITHA R	Milla
38	200301093	VEDAVALLI J	Viclavalle
39	200301094	YAZHINI D K	V V
40	200301095	YAZHISAI S	Varlis 9
41	200301096	GRACE MANO CHELSEA B	YANNA
42	200301097	PAVITHRA N	Nitor
43	200301501	Deepak.M	N'A
44	200301502	Nethaji Vigneshwaran.M	most

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 195











S.NO.		NAME	A'	
1	190301001	ADHITHIYA A	SIGNATURE	
2	190301002	AKSHAYA N		
3	190301003	AKSHAYA S J	Alityon	
4	190301004	ANANTHA VETRIVEL V C	h	
5	190301005	ANCY LEENA RAJAM R	VC Ange	
6	190301007	ARJUN BHATTACHARYA	R. In fteret	
7	190301008	BALACHANDER P	Asin Rhattacharps	
8	190301009	BHARATH S	Balibuut	
9	190301010	CHANDRASEKAR G E	1 million	
10	190301011	CHARAYYSWERRYAN	Chow	
11	190301012	DEEPALAKSHMI V	V. Departing	
12	190301013	DEEPIKA M		
13	190301014	DEEPIKA P	line	
14	190301015	DHANUSHA P	2.51	
15	190301016	DHARANI G	P. Phanusha	
16	190301017	DIVYA BHARATHI V A	G. Phenony	
1/	190301018	ESTHER S N SHAMA	VA-Days	
18	190301019 1	EVANGELINE P	ENKS .	
19	190301020 H	TIONA ANIL KUMAR	P. Orangelsie	
20	190301021	GAYATHRI G	from .	
21	190301022	GAYATHRI P	& gayall	
22		GAYATHRY E	Curry .	
		BOKUL RAJ A	2- chuss	
		ARINI C S	- One	
		ARINI DEVI K G	CSHawins	
26 1		AYASANKARI E	2, hattai	
		EFFI CATHERINA P	3.10.	Leaglors
28 1	90301029 II	ESWIN BETCY J	P. (Ker PRI	NCIPAL
			LALAS RAJALAKSHULS	NCIPAL
		ARTHIKEYAN S	AN ALLA	
	0301031 K	EERTHANA K S	Kasha THANDALAM	GINEERING COLLEC
	0301032 KI	RITHIKA G K	G.K. Enfine	ENNAL
	0301033 LA	KSHMI PRIYA G	K.S.Kalla THANDALAM, CH G.C. Enthice G. Lakeshumperyr	- 602 105
5 19	0301034 LI	I'HIGA P	P-Likhiga	













		III YEAR BIOMEDICAL 'A'	
S.NO.	REG. NO.	NAME	SIGNATURE
34	190301035	LOKESH KUMAR R	Git Buga
35	190301036	LOKESH P	LLS.P
36	190301037	MADHAV M	Madhave M
37	190301038	MADHAVAN R	R. Madhaves
38	190301039	MADHUMITHA S	S. Lladmath
39	190301040	MALATHI M	Malathing
40	190301041	MANIKANDAN S	S. Marikandar
41	190301042	MEGHA A	Paple
42	190301043	MOHAMED ISMAIL S	S. D.J.
43	190301044	MONISHAA K M	Mondae
44	190301045	MRITHIKA S	defish
45	190301046	NANDAKUMAR T	T. Dendaburge
46	190301047	NANDHINI S	N
47	190301048	NAVEENA B R	Kareena B.I
48	190301049	NITA F	(NSA
49	190301050	NITHILA J	Miller
50	190301051	NIVEDHA E	Nind
51	190301052	NOEL MATTHEW THOMAS	Nas
52	190301105	KRISHNAKUMAR L (DOJ: 07.08.2019)	CHR.



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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105











S.NO.	REG. NO.	III YEAR BIOMEDICAL 'B'	
1	190301053		SIGNATURE
2	190301054		fari dira Jo
3	190301055		Jek Poul
4	190301056		falch 1
5	190301057	PRATHYUSHA A	- M
6	190301058	PRAVEEN BABU K	- Kater
7	190301059	PRAVEEN S	Yravecabubu
8	190301060	PREETHI S	Praver
9	190301061	PREMANANDH M	0.10
10	190301062	PRIYAA DHARSHINI V S	Premas
11	190301063	RAJESH KUMAR S	Typachashi
12	190301064	RAKSHITA C	Starting
13	190301065		Raba
14	190301066	RAMACHANDRAN M	Katshidat
15	190301067	RETHNAMALA P	m. gunghert.
16	190301068	ROSHINI B	Rithnamale
17	190301069	RUBIKA GRACE R	Rosh-ni
18	190301070	SAIRAM V A	E.I.
19	190301071	SAJANA CHRISTINE	Saitam
20		SAKTHI PRIYA C	LAT 0.6
21		SAMEENA BANU A	- Andrige
22		SAMYUKTHA KAPOOR R	Asamly
23	190301075	SANDHIYA N	Jamp it Have S. D. Hunglon
24		SANJAY KUMAR U	PRINCIPAL
25		SARAN V	SATS RAINLAKSHMI ENGINEERING COLLER
26		SARANYA KRISHNAN V	VE WALLONOMOUS INSTITUTION
27		SARANYA R	Regargant ANDALAM. CHENNAL - 602 105
8		SARATH V	Salamar - Honer and 002 103
9		ARAVANARAJAN S	anth V
		AVITHA S	Forcerans
		HANMATHI S D	anto
		HAYAM M	Channothi











S.NO.	REG. NO.	NAME	SIGNATURE
33	190301085	SHEHNAZ S	Sheras
34	190301086	SHIVANI GURUMOORTHY	Chinad
35	190301087	SHIVANIE V	Himani
36	190301088	SHRILEKHA T	ID II
37	190301089	SILVIYA JEBASTINA A	J.I Al
38	190301090	SIVASANJEEVI R	NO 3 Jen.
39	190301091	SNEHA T	Part F
40	190301092	SRUTHI H	Coutly H
41	190301094	SUBHA SHREE A	10118
42	190301095	SUBHASHINI RAJA MARY B	Dubhohin.
43	190301096	SWETHA R	0 lotte
44	190301097	TAMILARASAN A	The Aste
45	190301098	VARUN K	Varue 1
46	190301100	VARUN VISWESVARAN R	9 miles
47	190301101	VETHASVANI A	10th
48	190301102	VIGNESH R	P. S. seh
49	190301103	VISHALI N	VRD. J
50	190301104	YUKESH M	Ver in
51	190301107	NIKHITHA M	Julich
52	190301701	SANTHOSHKUMAR R	IN THE
53	190301702	SHIYAM KUMAR V	min



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105

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S.NO	REGISTER NO	STUDENT NAME	
1	180301001	ADITHYA K RAMAN	SIGNATURE
2	180301002	AKSHARA ASHOK	tom
3	180301003	AKSHAYA P R	Afar
4	180301004	AKSHAYAR	- Alexandre
5	180301005	ANGEL MERLINE S	Akshaya
6	180301006	ANUDHARSH R S	
7	180301007	APARNA VENKATESAN	Aubu.R.S
8	180301008	ARAVIND M	Athene
9	180301009	ATHAF KHANAM N	Aran
10	180301010	BHARGAVIS	Admit Khan
11	180301011	BHUVANESHWARIA	Blagan 8
12		BRISHILA B S	- interest
13	1.0.0.1	CHASHANTHIKA S	B
14	10000101	CHITRA M	Churth.S
15	1000	DEEPA.K	the.
16	10000	DEEPSIKA D	- Detter K
17	10000	DHANALAKSHMI V	> Deepslika
18	10000	DINESH PRABHU G	Viehy
19	1011	GIRIDHARAN R	1
20		GIRIJAA M	Curri R J. N. Pempeon
21		GOKUL KISHORE L	PRINCIPAL
22		HARINI B G B	A KAJALAKSHMI ENCINEEDING OO
23	10000	HENAJANET P J	HOME AND INCOMPANY INCLUTION
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S.No.	<b>REGISTER No.</b>	STUDENT NAME	SIGNATURE	
25	180301025	JEEVITHA A	Jeen the	
26	180301026	KARISHMA A	1	
27	180301027	KEERTHANA K	To V	i
28	180301028	KEERTHANA S	L'antime the	
29	180301029	KINGSLY YESUDAS E	h h h	
30	180301030	KIRAN BIHARI	- 12	
31	180301031	KISHORE KUMAR R	L'I and	
32	180301032	LENIN M	One and	
33	180301033	MADHANBABU M	Madul	
34	180301034	MADHAVANN	JACKEL STAT	
35	180301035	MAHALAKSHMI A	Mahar D	
36	180301036	MAHALAKSHMI AKALYA P	ALIO	
37	180301037	MALAVIKA S	IN ENOT	
38	180301038	MALLIKA SENTHIL	A A A A A A A A A A A A A A A A A A A	
39	180301039	MEENA P	Mallika Dendhil	
40	180301040	MOHANLAL M	Motorlate	
41	180301041	MUNEESHWARI K	A	
42	180301042	NAMRATHA	Nampthe	
43	180301043	NEPPALLI SATISH CHOWDARY	to	
44		NIRMAL RAJ		
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46	180301046	NISHANTHINI R	Ne 1 20 S.D. Mugeon	
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48		POOVIZHI K	PRINCIPAL	
49	180301049	PRASANTH KUMAR R	ProvenRAJALAKSHMI ENGINEERING CO.	LLE
50		PRAVEEN KUMAR K	Preside AN AUTONOMOUS INSTITUT	ION
51		PRAVEEN KUMAR P	THANDALAM. CHENNAL - 602 1	(05
52		RAGUL DEEPAN M	Proveso .	
53		JANAKI S (L/E)	Ragne Drepan	













IV YEAR - B SECTION				
S.NO	REGISTER NO	STUDENT NAME	SIGNATURE	
1	180301052	PREETHI K		
2	180301053	PRIYANKA R	Prestrick	
3	180301055	RAMAMOORTHY M	Biyante.R	
4	180301056	RAMYA EA	Ramyo	
5	180301057	RASHMI G		
6	180301058	REENU U	Rachnig	
7	180301059	RESHMA.S	Reemy	
8	180301060	ROSHINI.V	Resinna.s	
9	180301061	SAI NIVEDHA.M		
10	180301062	SAMPRRITHI.V	Sumproitai.V	
11	180301064	SANGEETHA J		
12	180301065	SANGEETHA.R	0	
13	180301067	SARABU NISHA BEGUM J	Sangeetha. R	
14	180301068	SARANYA M	SarabaNicheb	
15	180301069	SARUMYAA.M	Saray M	
16	180301070	SATHEESH RAJA P	Stheich	
17	180301071	SATHIYA NARAYANAN C M	Stoneum	
18	180301072	SHALINI P R	A	
19	180301073	SHALINI.G	Shalini G	
20	180301074	SHARMILA R	Shormila R	
21	180301075	SHARUBINI K		
2	180301077	SHREEVARSHNI S	Shannyini.	
3	180301078	SHREYA RAO	Shree Arribit 5	
4	180301079	SHRUTHI K	ghm Ru.	
5	180301080	SIVARANJANI.D	Schoraci, MAJALAK	
6	180301081	SNEHA E	Sincha E ANAU	
7	180301082	SNEHA N	Sheha N THAND	
8	180301083	SOWMIYA DEVI S	6	
)	180301084	SRADHA SHAJ	Journy Duri	
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IV YEAR - B SECTION			
S.NO	REGISTER NO	STUDENT NAME	SIGNATURE
31	180301086	SULOCHANA R	gulochana.R.
32	180301087	SUMAIYA.M.R	Sumaila.m.p.
33	180301088	SUNIL KUMAR K	A A
34	180301089	SUTHEESH R	Sucheerly R
35	180301090	SWARNAPRABA G V	Shafne trafer a V
36	180301091	SWETHA S	Investra s
37	180301092	SWETHA.R	FIRDIGO . R.
38	180301093	TAMILARASAN S	Tamilarasan
39	180301094	THAMIL SELVI S	Shanil selvi g
40	180301095	THIVYA A C K	Thivya ACK
41	180301096	TOSHIYAI	They are
42	180301097	VASANTH N	Joung I
43	180301098	VISHWAA.K	Andreade 11
44	180301099	YOGITHA S	C Value
45	180301100	YUVASHREE C	9101
46	180301101	YUVASHRI K	Juvashsee C.
47	180301102	RAMYA D (DOJ 30.08.2018)	guvaehri-b
48	180301103	MANJIMA	they

J.D. ren V=

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105



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#### BRAIN AWARENESS WEEK REPORT

VENUE : MAIN SEMINAR HALL- WORKSHOP BLOCK. RAJALAKSHMI ENGINEERING COLLEGE DATE : 17/03/2022 TIME: 10:00 am - 3:00 pm

#### FACULTY COORDINATORS:

- 1. Ms E KARUPPATHAL AP/BME
- 2. Mrs Y SUBATHRA AP/BME
- 3. Mrs R SAI DIVYA AP/BME
- 4. Mr S KRISHNAKUMAR AP/BME

### SESSION 1 : 10am - 12:15 pm

The Brain awareness week program started with the students of 2nd, 3rd and 4th year and faculty of Biomedical engineering. The event started with the invocation of God and Dr R Kalpana, Dean and Professor Department of Biomedical engineering welcomed the participants and explained about the purpose of conducting the event. It was followed by a video lecture by Dr. BM Hegde, one of the most renowned cardiologists and authors in India. The video lecture was followed by Dr. S Sriman Narayanan's (MD MSc, PhD) lecture on Mental health and Ayurveda. The morning session concluded with this lecture. The Guest was honored with a memento by Dr RajKumar HOD and Professor Department of Biomedical Engineering.



PRAYER

DR KALPANA ADDRESSING THE GATHERING





DR BM HEGDE LECTURE

DR SHRIMAN NARAYANAN LECTURE



HONORING THE GUEST

### SESSION II: 1PM - 3 PM

The afternoon session was a brainstorming session. There were 2 events 1. QUIZ 2. DEBATE. Quiz had 5 round 1. Rapid fire 2. Rebuses 3. Sudden death 4. Merry Go round 5. Wipeout round.



Prizes for Poster and article writing contests were also announced. A special Stand up performance was given by Manickavasan Ravichandran ( 2nd yr BME A)

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105




The debate was conducted after the stand up , the topic was "TECHNOLOGY BOON OR BANE". The event was judged by Mr Muralidharan AP/ BME and Mr. Jobin Christ Professor BME.



The event ended with Vote of thanks by SAMYUKTHA (3rd yr BME B).



S. N. Kunpan

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105

STUDENT ORGANIZERS: MC: DURGA R SHREYA RAGHUPATHI VOT: SAMYUKTHA DEBATE: SHREYA RAGHUPATHI SAMYUKTHA QUIZ:







### FEEDBACK FORM

Date: 17/03/2022

Name of the Participant: M. Pourranan Sh

Year of Education: 😕 🎹

· · · ·

S.No	Questions	1	2	3	4	5
1	How was the event organized?					$\sim$
2	Does the event kindle your awareness on Mental Health and daily practices?					U
3	How would you rate your understanding of Brain Awareness?					V
4	How would you rate your understanding of Mental Health Issues?					2

\* 1-Poor, 2-Fair, 3-Good, 4-Very Good, 5-Excellent

Any Other Suggestions:

Dorovide the snacks -> (Puf, samosa M.P.S. pase Signature of the Participant







**Brain Awareness Week 2022** 

#### FEEDBACK FORM

Date: 191322

Name of the Participant: RS Akash

Year of Education:

S.No	Questions	1	2	3	4	5
1	How was the event organized?		~	•		
2	Does the event kindle your awareness on Mental Health and daily practices?			8	/	-
3	How would you rate your understanding of Brain Awareness?				•	/
4	How would you rate your understanding of Mental Health Issues?				~	7

\* 1-Poor, 2-Fair, 3-Good, 4-Very Good, 5-Excellent

Any Other Suggestions:

Signature of the Participant 1. ه. ٦ PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE GINEER AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105





### **Brain Awareness Week 2022**

### FEEDBACK FORM

Date: 17/3/22

Name of the Participant: A PRATHYUSHA

Year of Education: 🔟

S.No	Questions	1	2	3	4	5
1	How was the event organized?		14		1	
2	Does the event kindle your awareness on Mental Health and daily practices?					1
3	How would you rate your understanding of Brain Awareness?				1	
4	How would you rate your understanding of Mental Health Issues?			1		

\* 1-Poor, 2-Fair, 3-Good, 4-Very Good, 5-Excellent

Any Other Suggestions:

J. D. Hunger

X Pratt

Signature of the Participant









Brain Awareness Week 2022

## FEEDBACK FORM

Date: 1/03/2022

Name of the Participant: S. K. Ponnie

Year of Education: ) 1)

S.No	Questions	1	2	3	4	5
1	How was the event organized?					
2	Does the event kindle your awareness on Mental Health and daily practices?				Л	
3	How would you rate your understanding of Brain Awareness?					1
4	How would you rate your understanding of Mental Health Issues?					Л

\* 1-Poor, 2-Fair, 3-Good, 4-Very Good, 5-Excellent

Any Other Suggestions:

S. W. Humpon

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL = 602 105

S.K. Parl

Signature of the Participant







Brain Awareness Week 2022

### FEEDBACK FORM

Date: 11/3/2022

Name of the Participant: RAKSHITA C.J. Year of Education: 111 Year

S.No	Questions	1	2	3	4	5
1	How was the event organized?				~	
2	Does the event kindle your awareness on Mental Health and daily practices?					~
3	How would you rate your understanding of Brain Awareness?					~
4	How would you rate your understanding of Mental Health Issues?					~

\* 1-Poor, 2-Fair, 3-Good, 4-Very Good, 5-Excellent

Any Other Suggestions:

Te

Signature of the Participant







**Brain Awareness Week 2022** 

### FEEDBACK FORM

Date: 17/03/2022

Name of the Participant: SAMEENA BANU . A

Year of Education: *WYEAR* 

S.No	Questions	1	2	3	4	5
1	How was the event organized?					~
2	Does the event kindle your awareness on Mental Health and daily practices?				/	
3	How would you rate your understanding of Brain Awareness?					
4	How would you rate your understanding of Mental Health Issues?					

\* 1-Poor, 2-Fair, 3-Good, 4-Very Good, 5-Excellent

Any Other Suggestions:

Z.N. Hunger

A. Sameria Signature of the Participant







**Brain Awareness Week 2022** 

### FEEDBACK FORM

Date: 17/03/22

Name of the Participant: SAJANA CHRISTINE

Year of Education: 11 YEAR

S.No	Questions	1	2	3	4	5
1	How was the event organized?					~
2	Does the event kindle your awareness on Mental Health and daily practices?				/	
3	How would you rate your understanding of Brain Awareness?				•	/
4	How would you rate your understanding of Mental Health Issues?				/	

\* 1-Poor, 2-Fair, 3-Good, 4-Very Good, 5-Excellent

Any Other Suggestions:

J.N. Hungen

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105









### FEEDBACK FORM

Date: 17 3)22

Name of the Participant: RAJESH KUHAR'S

Year of Education: III year .

S.No	Questions	1	2	3	4	5
1	How was the event organized?				~	1
2	Does the event kindle your awareness on Mental Health and daily practices?					~
3	How would you rate your understanding of Brain Awareness?					V
4	How would you rate your understanding of Mental Health Issues?				V	

\* 1-Poor, 2-Fair, 3-Good, 4-Very Good, 5-Excellent

Any Other Suggestions:

5.10.1 LIFAL **F** - N RAJALAKSHMI ENGINEERING COLLEGE

AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105



Signature of the Participant





**Brain Awareness Week 2022** 

### FEEDBACK FORM

Date: 19/3/2020

Name of the Participant: ASHWIN KOWAR-J

Year of Education: I

S.No	Questions	1	2	3	4	5
1	How was the event diganized? AKSHMI			1		
2	ENGINEERING COLLEGE Does the event kindle your awareness on Mental Health and daily practices?					~
3	How would you rate your understanding of Brain Awareness?				V	
4	How would you rate your understanding of Mental Health Issues?				$\checkmark$	

\* 1-Poor, 2-Fair, 3-Good, 4-Very Good, 5-Excellent

Any Other Suggestions:





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Signature of the Participant





### FEEDBACK FORM

Date: 19/3/22

Name of the Participant: y. Diuga Janane

Year of Education: 2022

S.No	Questions	1	2	3	4	5
1	How was the event of anized? AKSHMI				÷	~
2	Does the event kindle your awareness on Mental Health and daily practices?				~	
3	How would you rate your understanding of Brain Awareness?				~	
4	How would you rate your understanding of Mental Health Issues?					V

\* 1-Poor, 2-Fair, 3-Good, 4-Very Good, 5-Excellent

Any Other Suggestions:

D. L. Hennes

THANDALAM, CHENNAL - 602 105



Signature of the Participant







### FEEDBACK FORM

Date: 19 3 22

Name of the Participant: HARSHAVARDHINI.

Year of Education: 2nd

S.No	Questions	1	2	3	4	5
1	How was the event organized?	net re			~	C.T.S
2	Does the event kindle your awareness on Mental Health and daily practices?					1
3	How would you rate your understanding of Brain Awareness?				1	•
4	How would you rate your understanding of Mental Health Issues?			~	j.	

\* 1-Poor, 2-Fair, 3-Good, 4-Very Good, 5-Excellent

Any Other Suggestions:

J.N.te PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGI AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105

• • Signature of the Participant







### FEEDBACK FORM

Date: 17 03 22

Name of the Participant: Hawusha. H

Year of Education: 2020 - 2024

S.No	Questions	1	2	3	4	5
	How was the event organized?					~
2	Does the event kindle your awareness on Mental Health and daily practices?					~
3	How would you rate your understanding of Brain Awareness?					. /
4	How would you rate your understanding of Mental Health Issues?					~

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\* 1-Poor, 2-Fair, 3-Good, 4-Very Good, 5-Excellent

Any Other Suggestions: No

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THANDALAM, CHENNAI - 602 105

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Signature of the Participant





**Brain Awareness Week 2022** 

### FEEDBACK FORM

Date: 19/3/22

Name of the Participant: O.k. Hanui

Year of Education: 2 BME A

S.No	Questions	1	2	3	4	5
1	How was the event Ranized? AKSHMI				V	
2	ENGINEERING COLLEGE Does the event kindle your awareness on Mental Health and daily practices?				-7	V
3	How would you rate your understanding of Brain Awareness?					V
4	How would you rate your understanding of Mental Health Issues?				1	-

\* 1-Poor, 2-Fair, 3-Good, 4-Very Good, 5-Excellent

Any Other Suggestions:

J.D. Muyer

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105



Signature of the Participant

## **Rajalakshmi Engineering College**

### **Department of Biomedical Engineering**

# Feedback Analysis- Guest Lecture on Brain awareness week -17.03.22

S.No.	Questionnaire	Excellent	V.good	Good	Fair	poor
1	How was the event organised	183	99	11	0	0
2	Does the event kindle your awareness on mental health and daily practices	153	123	9	8	0
3	How would you rate your understanding of Brain Awareness	161	124	5	3	0
4	How would you rate your understanding of Mental Health issues	117	118	53	5	0





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## RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS) DEPARTMENT OF BIOMEDICAL ENGINEERING

FEEDBACK FROM THE SPEAKER

Speaker Name:	Dr.S. Sriman Narayanan, M.D.
Designation:	Psychiatroist
Institution/University/Organization:	Dhanwanthralaya, Ayurvede Speciality
Title of the lecture:	Mental Health and Daily Practice
Date:	17.03.2022
Time:	11:10 to 12:30pm
Venue:	Main Seminar Hall, REC
Comments:	Event was well organized. Postor Reserved by Students were professional and Conveyed appropriate information regarding Brain awareness, Neutral Meetth. Keepitup
Signature of the speaker:	St

J. D. Hungen

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM OPENNAL FOR TOT



# DEPARTMENT OF BIOMEDICAL ENGINEERING GUEST LECTURE ON "BRAIN AWARENESS WEEK-2022" – 17.03.22

#### **EVENT REPORT**

**OBJECTIVE:** The objective of organizing this workshop is to create awareness among the students about their Mental health. As maintaining mental health has become the need of the hour as it is maintaining physical health, this workshop was organized for the welfare of the students. The main objective was to provide insights to the students on taking care of their minds and body equally.

**SUMMARY OF THE EVENT**: In the presence of Dr. Kalpana, Dean and Professor, and Dr. S.Rajkumar, HoD of Biomedical Dept, the program started at 10.20 am in the Main seminar hall with around 293 students from II, III, IV year BME and PG medical Electronics participated. Followed by this, Dr. Kalpana, Dean, and Professor of BME dept. briefed about the speaker, Dr. S.Sriman Narayanan, and the intention of the program. After this, the speaker was invited to speak at around 11.15 AM. The speaker concentrated on providing awareness to the students about their daily activities and their influence on their mental health. Besides, the importance of mental health was the basis of the speech.

**OUTCOMES :** Feedback forms were shared among the students. It was observed that most of the students were very happy about the valuable inputs given by the speaker and were very interactive in the session.

The students participated actively in oral and poster presentations scheduled on the following day and shared their ideas among their peers and faculty members of the BME department.

EVENT COORDINATOR

J.N. Murge





# **RAJALAKSHMI** ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

One day Guest Lecture on "The applications of AI/ML in Biotechnology" on 26th December 2021.

S. No.	Details
1	Approval Letter
2	Program Schedule
3	Communication with Speakers
4	Speaker Profile
5	List of Participants
6	Photographs and Attendance
7	Feedback from the Participants
8	Feedback Analysis
9	Event Report

## Index

J.N.Me



# RAJALAKSIIMI ENGINEERING COLLEGE DEPARTMENT OF BIOTECHNOLOGY

Permitted

23.12.2021

# Submitted to the Principal

It is proposed to conduct one day webinar on "The applications of AI/ML in Biotechnology" on 26th December 2021. This guest lecture will be useful for Biotechnology studentsto work on artificial Intelligence and machine learning.

HOD/Biotechnology



J. N. Huerefloo

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105.

### **PROGRAM INVITE**









# **Distinguished Lecture Series**



J.N. Huger



Rajalakshmi Engineering College Mail - Guest Lecture Invitation - The Applications of AI/ML in Biotechnology - reg



HOD Biotechnology <hod.bt@rajalakshmi.edu.in>

#### Guest Lecture Invitation - The Applications of AI/ML in Biotechnology - reg 1 message

HOD Biotechnology <hod.bt@rajalakshmi.edu.in> To: hemant.palivela@accenture.com Tue, Dec 21, 2021 at 3:38 PM

Cc: Arunkumar S <arunkumar.s@rajalakshmi.edu.in>, HEMALATHA K <hemalatha.k@rajalakshmi.edu.in>

Dear Sir, Warm Greetings!

The Department of Biotechnology cordially invites you for A guest lecture preferably on- "The applications of AI/ML in Biotechnology" on 26th of December 2021 at 10am. On your acceptance we will be glad to make arrangements further accordingly.

Kindly acknowledge.

Thanks & Regards

K.SATHYA Associate Professor and Head Department of Biotechnology Rajalakshmi Engineering College Chennai.



Dr Hemanth Guest Lecture Invite.jpeg 287K

J. D. Mugle



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

#### **SPEAKER PROFILE**

#### Dr. Hemanth Palivela

He holds the position as Senior Research Scientist and ML Practice Head at Accenture. Data Scientist with an ample amount of experience in solving realworld business problems across multiple domains. He has extensive experience with algorithm development, building data & analytics frameworks, and leading international collaborations between business stakeholders and technical experts. Contributed to Risk Analytics in Financial and Insurance Markets. Developed complex solutions for Lead optimization in Digital Marketing Development of various Customer Engagement/ Care Analytics with Lifetime analysis, text mining and optimization strategies; Proficiencies on Deep learning with TensorFlow / Keras / Neural Network, Machine Learning with SKlearn / Python, A/B testing, NLP, computer vision, distributed computing with Spark, cloud platform with AWS, Recommendation Systems, Web Development (Flask) /Scraping and etc.

J.N. Me



## LIST OF PARTICIPANTS

S.No.	Reg. No	Name of the Student
1	190401100	Shiva Ram V S
2	190401101	Shivani K
3	190401102	Shriraghav S
4	190401103	Shriram P K
5	190401104	Shruthi T P
6	190401105	Shruti R
7	190401106	Sindhuja K I
8	190401107	Sneha R
9	190401108	Sneka T
10	190401109	Sowmiya R
11	190401110	Sowmya Arun
12	190401111	Sowmya Lakshmi S
13	190401112	Srayaa S
14	190401113	Sreemathy B
15	190401114	Sri Krishnan K
16	190401115	Sridevi R
17	190401116	Sri Raksha P
18	190401117	Srivarshini G
19	190401118	Sruthi R
20	190401119	Sruthishree A
21	190401120	Sunmetha K V
22	190401121	Suparna P
23	190401122	Suruthi D
24	190401123	Surya A V
25	190401124	Surya N
26	190401125	Swetha B
27	190401126	Swetha Lakshmi R
28	190401127	Tarun D
29	190401129	Tulsipriya Chakraborthy
30	190401130	Urmeshree M
31	190401132	Velashani B



J. N. Newfer

_		
32	190401133	Venkata Hari Govindhan A
33	190401134	Vibha Murali
34	190401135	Vigneshwar M S
35	190401136	Vijay Babu S
36	190401137	Vijayasarathy H
37	190401138	Vijayasree G
38	190401139	Vinitha S
39	190401140	Vishal Amith K
40	190401141	Vishnu M
41	190401142	Yoga Subathra Initha J
42	190401144	Logaanandhi A
43	190401901	Lakshmi Bharathi.I [T/R]
S.No.	Reg. No.	Name Of The Students
1	200411001	Amrutha R
2	200411002	Anubha M
3	200411004	Deivayanai V C
4	200411005	Dhivya D
5	200411006	Gayathri S
6	200411007	Jayalakshmi H
7	200411008	Jayashree S
8	200411009	Jeevanantham S
9	200411010	Kamalesh R
10	200411011	Karishma S
11	200411013	Namitha Nandakumar
12	200411014	Pooranachandra G
13	200411015	Prathinisha Prabhakar
	000411016	Rashminiza A
14	200411016	Rashiminiza A



5. D. Hunger

STAFF INCHARGE

### **PHOTOGRAPHS & ATTENDANCE**



Figure 1: The Applications of AI/ML in Biotechnology by Dr. Hemant Palivela



Figure 2: Dr. Hemant Palivela explaining about EHR Analytics



J. D. Kenglon

RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.

### FEEDBACK FROM PARTICIPANTS

NAME\*

Shiva Ram V S

**ROLL NUMBER\*** 

190401100

E-mail ID \*

shivaram.vs.2019.bt@rajalakshmi.edu.in

**DEPARTMENT AND YEAR\*** 

**Biotechnology 3rd Year** 



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AN AUTOHOMOUS INSTITUTION

Rate the overall pro						
	1	2	3	4	5	
Not good	0	0	0	0	۲	Excellent
Was the concept c	lear? *					
	T	2	3	4	5	
Not good	Ø	0	Ó	0	۲	Excellent
Vas the topic of d	scussion rele	vant to your	academics?	A		
	3	2	3	4	5	
Not good	0	0	0	Ø	۲	Excellent
low was your learn	ning experien	ce? *				
	1	2	3	4	5	
Not good	O.	0	0	Ø	۲	Excellent
Vould you like to ha	ave such ses	sions in futu	re? *			
Yes						
) No						



J.N. Muge

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENINAL - 802 105.

# FEEDBACK ANALYSIS ON THE APPLICATIONS OF AI/ML IN BIOTECHNOLOGY

NUMBER OF STUDENTS: 58

Overall rating of the session



Overall rating of the session

# Was the concept clear?



Was the concept clear?



J. N. ....

### FEEDBACK ANALYSIS ON THE APPLICATIONS OF AI/ML IN BIOTECHNOLOGY

# Was the topic of discussion relevant to your academics



Was the topic of discussion relevant to your academics

# How was your learning experience?



How was your learning experience?



J.N. Mu

## FEEDBACK ANALYSIS ON THE APPLICATIONS OF AI/ML IN BIOTECHNOLOGY

# Would you like to have such sessions in future?



Was the concept clear

STAFF INCHARGE



J.N. Munge

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

#### REPORT

Topic: The applications of AI/ML in Biotechnology Date: 26th December 2021 Speaker: Dr. Hemanth Palivela, Senior Research Scientist and ML Practice Head at Accenture.

AI applications in biotech include drug target identification, drug screening, image screening, and predictive modelling. AI is also being used to comb through the scientific literature and manage clinical trial data. AI can manage disparate clinical trial datasets, enable virtual screening, and analyse vast amounts of data reducing clinical trial costs. Biotechnology firms are now leveraging Artificial Intelligence and Machine Learning techniques to develop and program autonomous robots that handle important agricultural tasks like harvesting crops at a much faster pace than humans. Computer Vision and Deep Learning algorithms are leveraged to process and analyze the data captured by drones. This helps in monitoring crop and soil health. Machine Learning algorithms help in tracking and predicting various environmental changes like the weather changes that impact the crop yield. Artificial Intelligence and Machine Learning are extensively used in drug discovery. Machine Learning helps in discovering small molecules that could give therapeutic benefits dependent on known target structures. Machine Learning is widely used in diagnosing diseases as it uses the true result to improve the diagnostic tests. Internet of Things (IoT), Machine Learning, and Artificial Intelligence analyze the machines, predict outages, optimize equipment, etc to provide efficient production and better product quality. Computer-aided designs and Artificial Intelligence are coming up with the desired molecule design. Robotics and Machine Learning cultivate the strains and test to what extent the desired molecule was reached.

Event Coordinator

J.N. nulls

AUTONOMOUS INSTITUTION



# **RAJALAKSHMI** ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

## One day Webinar on "Recent Updates in Covid -19 Drug Design" 28<sup>th</sup>January 2022

## Index

S. No.	Details
1	Approval Letter
2	Brochure
3	Communication with Speaker
4	Speaker Profile
5	List of Participants
6	Attendance
7	Photographs
8	Feedback from the Participants
9	Feedback analysis
10	Event Report



PRINCIPA

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# RAJALAKSHMI ENGINEERING COLLEGE

### **DEPARTMENT OF BIOTECHNOLOGY**

- 10.01.2022

### Submitted to the Principal

It is proposed to conduct one day webinar on "Recent Updates in Covid -19 Drug Design" on 28<sup>th</sup> January 2022 in collaboration REC, Institutions Innovation council and Industry Institute Interaction Cell, REC. This workshop will be useful for Biotechnology students for their research in the current Pandemic situation.

formited

HOD/Bidtechnology



### Brochure





Rajalakshmi Engineering College Mail - Webinar Invitation - Dept of Biotechnology, REC - Reg



HOD Biotechnology <hod.bt@rajalakshmi.edu,in>

#### Webinar Invitation - Dept of Biotechnology, REC - Reg 2 messages

HOD Biotechnology <hod.bt@rajalakshmi.edu.in> To: selvaamin@gmail.com Cc: selvaamin@yahoo.co.in

Thu, Jan 27, 2022 at 8:44 PM

Dear Sir,

Warm Greetings!

The Department of Biotechnology, Rajalakshmi Engineering College is pleased to invite you to deliver a Guest lecture on **'Recent Updates in Covid-19 Drug Design' on the 28th of January 2022 at 10am.** This webinar is in association with Antiviral Research Society, Journal Club of Biotechnology REC, Industry Institute Interaction Cell and Institution's Innovation Council, REC. Please find the meeting details below.

Date and Time : 28.01.2022 · 10:00 – 11:00am Google Meet joining info Video call link: https://meet.google.com/ucn-hypx-asq Or dial: (US) +1 920-383-1207 PIN: 481 714 536# More phone numbers: https://tel.meet/ucn-hypx-asq?pin=2705122359553

Thanks & Regards



Dr Selvam Webinar.jpeg 196K

**selvam periyasamy** <selvaamin@gmail.com> To: HOD Biotechnology <hod.bt@rajalakshmi.edu.in>

Thanks [Quoted text hidden]

J. D. Mu

Thu, Jan 27, 2022 at 9:40 PM

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

https://mail.google.com/mail/u/1/?ik=83993232ae&view=pt&search=all&permthid=thread-a%3Ar-504270377227641776&simpl=msg-a%3Ar-50261789... 1/1

INSTITUTION
#### **Guest Profile**

#### Dr. P Selvam

Dr. P Selvam completed education at Madurai Medical College and Tamil Nadu Dr. MGR Medical University, and obtained PhD. He held various prestigious positions as the Principal at Nova College of Pharmaceutical Education and Research and Director (Research) at Raghavendra institute of pharmaceutical education and research and many more.



J.N. Hem

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S.No.	Dept	Reg. No	Name of the Student
1	BT "A"	190401001	Aarthi B
2	BT "A"	190401002	Abishekwar K
3	BT "A"	190401003	Agnes D
4	BT "A"	190401004	Aishvarya K
5	BT "A"	190401005	Ajeetha S
6	BT "A"	190401006	Akshay Krishna K
7	BT "A"	190401007	Akshaya Mukunthan
8	BT "A"	190401008	Amarsriya A
9	BT "A"	190401009	Anukavitha A
10	BT "A"	190401010	Aparajita Ramesh
11	BT "A"	190401011	Apoorvha J P
12	BT "A"	190401012	Archana A
13	BT "A"	190401013	Arthi S
14	BT "A"	190401014	Avendhika Raja
15	BT "A"	190401015	Ayush M
16	BT "A"	190401016	Bharathi A
17	BT "A"	190401017	Bhavadharini M
18	BT "A"	190401018	Bhuvanesh A B
19	BT "A"	190401019	Brindha S
20	BT "A"	190401020	Chennamma Devi T
21	BT "A"	190401021	Chithra Venkateswaran
22	BT "A"	190401022	Deepika P D
23	BT "A"	190401023	Divya Lakshmi V
24	BT "A"	190401024	Divyaa A
25	BT "A"	190401025	Divyalakshmi S
26	BT "A"	190401026	Eashwar M L
27	BT "A"	190401027	Ferozkhan S
28	BT "A"	190401028	Ganesan M
29	BT "A"	190401029	Gayathri A M
30	BT "A"	190401030	Gayathri J

## LIST OF PARTICPANTS



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31	BT "A"	190401031	Gayathri N
32	BT "A"	190401032	Glory Jenifer D
33	BT "A"	190401033	Griddaluru Vineetha Naidu
34	BT "A"	190401034	Harini A
35	BT "A"	190401035	Harshana T
36	BT "A"	190401036	Ilavarasan J S
37	BT "A"	190401037	Induja R
38	BT "A"	190401038	Iswarya Lakshmi S
39	BT "A"	190401039	Janani N
40	BT "A"	190401040	Jayamurugan A
41	BT "A"	190401041	Jerome Tarun Simon
42	BT "A"	190401042	Karthika S
43	BT "A"	190401043	Kaushik C
44	BT "A"	190401044	Kaushik S
45	BT "A"	190401045	Kavin S
46	BT "A"	190401046	Kaviya V
47	BT "A"	190401047	Krithika A
48	BT "A"	190401048	Krithika A
49	BT "A"	190401049	Krithika Ananthakrishnan
50	BT "A"	190401050	Latchiya N

S.No.	Dept	Reg. No	Name of the Student
51	BT "B"	190401051	Lingesh D
52	BT "B"	190401052	Lohithaa S R
53	BT "B"	190401053	Lokesh Kannan T
54	BT "B"	190401054	Mahati R
55	BT "B"	190401055	Manasvinya M
56	BT "B"	190401056	Marie Jyotsna Jawahar
57	BT "B"	190401057	Mohamed Abubakker M
58	BT "B"	190401058	Mohamed Aslam A
59	BT "B"	190401059	Mohamed Jassim M
60	BT "B"	190401060	Monica K
61	BT "B"	190401061	Monisha D
62	BT "B"	190401062	Mydavolu Sai Niharika



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63	BT "B"	190401063	Nakshatra O
64	BT "B"	190401064	Narmadha S
65	BT "B"	190401065	Naveen Kumar M
66	BT "B"	190401066	Naveenkumar P
67	BT "B"	190401067	Neshaanthini J P
68	BT "B"	190401068	Nethra L
69	BT "B"	190401069	Nihaal Ahammed F
70	BT "B"	190401070	Nischal J
71	BT "B"	190401071	Niteesh Chandran V J
72	BT "B"	190401072	Oviya R
73	BT "B"	190401073	Padhmalakshmi Srinivasan D NRI
74	BT "B"	190401075	Pavithraa G
75	BT "B"	190401076	Pooja Sri K
76	BT "B"	190401077	Poornimaa Nataraj
77	BT "B"	190401078	Prarthana S
78	BT "B"	190401079	Prathyusha P
7 <b>9</b>	BT "B"	190401082	Ramya S
80	BT "B"	190401083	Rashmika P
81	BT "B"	190401084	Ratchana N
82	BT "B"	190401085	Rekha G
83	BT "B"	190401086	Reshma C
84	BT "B"	190401087	Rukshini V B
85	BT "B"	190401088	Saantosh S
86	BT "B"	190401089	Sadhana S
87	BT "B"	190401090	Sairahul S V
88	BT "B"	190401091	Sai Swathi V
89	BT "B"	190401092	Samuel Jethro Richard
90	BT "B"	190401093	Samyutha A
91	BT "B"	190401094	Sanjay Krishna A M
92	BT "B"	190401095	Sanjeetha D
93	BT "B"	190401096	Savitha S
94	BT "B"	190401097	Selva Eswar S
95	BT "B"	190401098	Sharweshwar K
96	BT "B"	190401099	Sherin D Layanal
97	BT "B"	190401100	Shiva Ram V S



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98	BT "B"	190401101	Shivani K
S.No.	Dept	Reg. No	Name of the Student
99	BT "C"	190401102	Shriraghav S
100	BT "C"	190401103	Shriram P K
101	BT "C"	190401104	Shruthi T P
102	BT "C"	190401105	Shruti R
103	BT "C"	190401106	Sindhuja K I
104	BT "C"	190401107	Sneha R
105	BT "C"	190401108	Sneka T
106	BT "C"	190401109	Sowmiya R
107	BT "C"	190401110	Sowmya Arun
108	BT "C"	190401111	Sowmya Lakshmi S
109	BT "C"	190401112	Srayaa S
110	BT "C"	190401113	Sreemathy B
111	BT "C"	190401114	Sri Krishnan K
112	BT "C"	190401115	Sridevi R
113	BT "C"	190401116	Sri Raksha P
114	BT "C"	190401117	Srivarshini G
115	BT "C"	190401118	Sruthi R
116	BT "C"	190401119	Sruthishree A
117	BT "C"	190401120	Sunmetha K V
118	BT "C"	190401121	Suparna P
119	BT "C"	190401122	Suruthi D
120	BT "C"	190401123	Surya A V
121	BT "C"	190401124	Surya N
122	BT "C"	190401125	Swetha B
123	BT "C"	190401126	Swetha Lakshmi R
124	BT "C"	190401127	Tarun D
125	BT "C"	190401129	Tulsipriya Chakraborthy
126	BT "C"	190401130	Urmeshree M
127	BT "C"	190401132	Velashani B
128	BT "C"	190401133	Venkata Hari Govindhan A
129	BT "C"	190401134	Vibha Murali
130	BT "C"	190401135	Vigneshwar M S
131	BT "C"	190401136	Vijay Babu S
132	BT "C"	190401137	Vijayasarathy H



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133	BT "C"	190401138	Vijayasree G
134	BT "C"	190401139	Vinitha S
135	BT "C"	190401140	Vishal Amith K
136	BT "C"	190401141	Vishnu M
137	BT "C"	190401142	Yoga Subathra Initha J
138	BT "C"	190401144	Logaanandhi A
139	BT "C"	190401901	Lakshmi Bharathi.I [T/R]



J. N. Humpon -

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# Rajalakshmi Engineering College Department of Biotechnology

## III Yr A Sec

## Batch: 2019-23

S.No	Reg No.	Name	Cin-
1	190401001	AARTHI B	Sign
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8	190401008	AMARSRIYA A	A
9	190401009	ANUKAVITHA A	1 12 rs
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12	190401012	ARCHANA A	
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14	190401014	AVENDHIKA RAJA	A South .
15	190401015	AYUSH M	Du
16	190401016	BHARATHI A	Bin
17	190401017	BHAVADHARINI M	Phanen
18	190401018	BHUVANESH A B	Bludi 200 MENOMER
19	190401019	BRINDHA S	2 4 11. 19
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21	190401021	CHITHRA VENKATESWARAN	Christine -
22	190401022	DEEPIKA P D	Saro Contains
23	190401023	DIVYA LAKSHMI V	D-d-t-V
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7	90401027	FEROZKHAN S	ShuffajaDAKSHMI ENGINI ERING COLLI
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30	190401030	GAYATHRI J	Gardy
31	190401031	GAYATHRI N	Gayarthi Gayarthi Gayarthin N Clent
32	190401032	GLORY JENIFER D	allent
33	190401033	GRIDDALURU VINEETHA NAIDU	A. Havi-
34	190401034	HARINI A	A. Hevri-
35	190401035	HARSHANA T	- annerra
36	190401036	ILAVARASAN J S	fluge .
37	190401037	INDUJA R	Deid-1-
38	190401038	ISWARYA LAKSHMI S	s.f.j.
39	190401039	JANANI N	Janga
40	190401040	JAYAMURUGAN A	Jaujah
41	190401041	JEROME TARUN SIMON	1 ser
42	190401042	KARTHIKA S	Dartha
43	190401043	KAUSHIKCTO SALAHANISAH	lawy
44	190401044	KAUSHIKSHSWIVIV	Over
45	190401045	KAVIN S	S. 5
46	190401046	KAVIYA V	Niki Za
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1	190401051	LINGESH D	Dhuis
2	190401052	LOHITHAA S R	Iduitlan 100
3	190401053	LOKESH KANNAN T	LEC Z. N. Herengloom
4	190401054	MAHATI R	Iblati PEINCIPAL
5	190401055	MANASVINYA M	RAJALAKSHMI ENGINEERING COLL
6	190401056	MARIE JYOTSNA JAWAHAR	AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.
7	190401057	MOHAMED ABUBAKKER M	Mms
8	190401058	MOHAMED ASLAM A	AAA

9	190401059	MOHAMED JASSIM M	1 1 .
10	190401060	MONICA K	Janu
_ 11	190401062	MYDAVOLU SAI NIHARIKA	(A)
12	190401063	NAKSHATRA O	1 Jon .
13	190401064	NARMADHA S	Nate
14	190401065		- Nord
15	190401066	NAVEEN KUMAR M	MNAT OF
16	190401067	NAVEENKUMAR P	a the it is the
17	190401068	NESHAANTHINI J P	Nerhanthingt
18	190401069	NETHRA L	f. Netri.
19	190401009	NIHAAL AHAMMED F	State - 2-7
20		NISCHAL J	Mun J.
21	190401071 190401072	NITEESH CHANDRAN V J OVIYA R	D'ult-i
22	190401073	PADHMALAKSHMI SRINIVASAN D	Prothera
23	190401075	PAVITHRAA G	- Dat
24	190401076	POOJA SRI K	R ID
25	190401077	POORNIMAA NATARAJ	Antrai
26	190401078	PRARTHANA S	2.8-11
27	190401079	PRATHYUSHA P	Pril.
28	190401082	RAMYA S	Ranger
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30	190401084	RATCHANA N	Potistana .
31	190401085	REKHA G	Pld
32	190401086	RESHMA C	PI
33	190401087	RUKSHINI V B	STOR Shine
34	190401088	SAANTOSH S	Cenote 6
35	190401089	SADHANA S	Str.
36	190401090	SAIRAHUL S V	
37	190401091	SAI SWATHI V	V. Sri Swath
38	190401092	SAMUEL JETHRO RICHARD	tique que
39	190401093	SAMYUTHA A	miller
10	190401094	SANJAY KRISHNA A M	- mythen to
1	190401095	SANJEETHA D	Dening
2	190401096		J.Sanjeethy

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44	190401098	SHARWESHWAR K	fl-t.
45	190401099	SHERIN D LAYANAL	Almin V
46	190401100	SHIVA RAM V S	Sieropen

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1	190401101	SHIVANI K	K. Shivani
2	190401102	SHRIRAGHAV S	Shur
3	190401103	SHRIRAM P K	P.K. Amira
4	190401104	SHRUTHI T P	9 DE
5	190401105	SHRUTI R	<b>\$</b> .
6	190401106	SINDHUJA K I	Sall-
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8	190401108	SNEKAT	6 Kot
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10	190401110	SOWMYA ARUN	Source
11	190401111	SOWMYA LAKSHMI S	Samlats
12	190401112	SRAYAA S	S. Stages
13	190401113	SREEMATHY B	Greenathy
14	190401114	SRI KRISHNAN K	K. Sukaun
15	190401115	SRIDEVI R	Side
16	190401116	SRI RAKSHA P	Sri Rabdia
17	190401117	SRIVARSHINI G	Sed Antonio and An
18	190401118	SRUTHI R	Hr Com
19	190401119	SRUTHISHREE A	Autonosous
20	190401120	SUNMETHA K V	Sucher K)
21	190401121	SUPARNA P	The
22	190401122	SURUTHI D	Elle
23	190401123	SURYA A V	(O)
24	190401124	SURYA N	Surter J. 12 Humper
25	190401125	SWETHA B	B. swotha
26	190401126	SWETHA LAKSHMI R	PRINCIPAL

AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL-602 105.

27	190401127	TARUN D	Quum A
28	190401129	TULSIPRIYA CHAKRABORTHY	We at
29	190401130	URMESHREE M	MUTMellin
30	190401132	VELASHANI B	this
31	190401133	VENKATA HARI GOVINDHAN A	AUS.
32	190401134	VIBHA MURALI	Willia Mural
33	190401135	VIGNESHWAR M S	Mar
34	190401136	VIJAY BABU S	NCD
35	190401137	VIJAYASARATHY H	11. Vingell
36	190401138	VIJAYASREE G	S. Vinter
37	190401139	VINITHA S	P. Vinden
38	190401140	VISHAL AMITH K	1 1/1/1
39	190401141	VISHNU M	R. Mphus
40	190401142	YOGA SUBATHRA INITHA J	ROAD
41	190401144	LOGAANANDHI A	producy
42	190401901	LAKSHMI BHARATHI I	Loker 2



STAFF IN CHARGE

J.N. Hunger 

PRINCIPAL. RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENRAL- 602 105.

## **PHOTOGRAPH**



Figure 1 : Dr. Selvam addressing the students



J.D. Hu

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105.

#### Feedback from participants

Department and year Biotechnology - 3rd year Rate the session Recent Updates in Covid-19 Drug Design" * Excellent Very Good Good Average Not good Excellent Vas the session interesting? Excellent Good Good Good Good Good Good Good Goo	Name	
190401121 E mail ID supama.p.2019.bt@rajalakshmi.edu.in Department and year Biotechnology - 3rd year Biotechnology - 3rd year Rate the session Recent Updates in Covid-19 Drug Design" * Excellent Very Good Good Average Not good Was the session interesting? Excellent Very Good Cood Cood Cood Cood Cood Cood Cood	Suparna P	
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supama.p.2019.bt@rajalakshmi.edu.in  Department and year Biotechnology - 3rd year  Rate the session Recent Updates in Covid-19 Drug Design" *  Excellent  Very Good  Average Not good  Excellent Very Good Good Average	190401121	
Department and year Biotechnology - 3rd year Rate the session Recent Updates in Covid-19 Drug Design" * Excellent Very Good Good Average Not good Excellent Vas the session interesting? Excellent Good Good Good Good Good Good Good Goo	E mail ID	
Biotechnology - 3rd year Rate the session Recent Updates in Covid-19 Drug Design" * Excellent Very Good Good Average Not good Excellent Very Good Good Good Average	supama.p.2019.bt@rajalakshmi.edu.in	
Rate the session Recent Updates in Covid-19 Drug Design" *   Excellent   Very Good   Good   Average   Not good   Was the session interesting?	Department and year	
<ul> <li>Excellent</li> <li>Very Good</li> <li>Good</li> <li>Average</li> <li>Not good</li> </ul> Was the session interesting? Excellent Very Good Good Average	Biotechnology - 3rd year	
Excellent Very Good Good Average	<ul> <li>Excellent</li> <li>Very Good</li> <li>Good</li> <li>Average</li> <li>Not good</li> </ul>	
Very Good       Good       Average	Was the session interesting?	
) Good ) Average	Excellent	
) Average	O Very Good	
	) Good	
) Not Good	Average	
	Not Good	



J. N. Munger

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Was the	explained	concept	clear?*
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- O Excellent
- Very Good
- O Good
- O Average
- O Not Good

How was your learning experience?\*

- Excellent
   Very Good
- Good
- O Average
- O Not Good



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## FEEDBACK ANALAYSIS ON RECENT UPDATES IN COVID -19 DRUG DESIGN

NUMBER OF STUDENTS : 139



**Overall rating of the session** 

Overall rating of the session

# How was your learning experience?



How was your learning experience?



J.L. Hu

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## FEEDBACK ANALAYSIS ON RECENT UPDATES IN COVID -19 DRUG DESIGN



# Was the guest lecture beneficial?



Was the guest lecture beneficial?



J.N.Hu

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STAFF INCHARGE

## REPORT

## Topic: Recent Updates in Covid -19 Drug Design"

## Date: 28<sup>th</sup> January 2022

**Speaker:** Dr. P. Selvam, president, Antiviral Research Society, INTUC Nagar, Rajapalayam The webinar focused on nanoscale devices that can readily interact with biomolecules on both the surface and inside cells. By gaining access to so many areas of the body, they have the potential to detect disease and deliver treatment in ways unimagined before now. Nanotechnology provides researchers with the opportunity to study and manipulate macromolecules in real time and during the earliest stages of cancer progression. It can provide rapid and sensitive detection of cancerrelated molecules, enabling scientists to detect molecular changes even when they occur only in a small percentage of cells. This technology has enabled the development of nanoscale devices that can be conjugated with several functional molecules simultaneously, including tumor-specific ligands, antibodies, anticancer drugs, and imaging probes. Since these nanodevices are 100 to 1,000-fold smaller than cancer cells, they can be easily transferred through leaky blood vessels and interact with targeted tumour-specific proteins both on the surface of and inside cancer cells. Therefore, their application as cancer cell-specific delivery vehicles will be a significant addition to the currently available armoury for cancer research. Nanotechnology also has the potential to generate entirely novel and highly effective therapeutic agents.

HIV is treated with antiretroviral medicines, which work by stopping the virus replicating in the body. This allows the immune system to repair itself and prevent further damage. The treatment of HIV-1 infection was revolutionized in the mid-1990s by the development of inhibitors of the reverse transcriptase and protease, two of three essential enzymes of HIV-1, and the introduction of drug regimens that combined these agents to enhance the overall efficacy and durability of therapy. One class of HIV drugs is the fusion inhibitors (e.g., enfuvirtide). Fusion inhibitors work by blocking the HIV virus from entering human cells. Serious side effects include allergic reactions and infections at sites where the medicine is given intravenously. Other types of drugs designed to combat HIV include CCR5 antagonists and post-attachment inhibitors, which block different types of molecules on the immune cell surface to prevent HIV from entering the cells, and integrase inhibitors, which block the ability of HIV to replicate.

COORDINATOR

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INSTITUTION HOE



# RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

# Guest lecture on "Eco-friendly Sustainable Special Concrete" 29.01.2022

by

Dr.K.Gunasekaran, Ph.D, Professor / Civil, College of Engineering and Technology, SRM Institute of Science and Technology, Kattankulathur – 603203, Chennai.

## Index

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6	6 List of Participants and Attendance		
7 Photographs			
8 Feedback from the Participants			
9	Event Report		

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## RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF CIVIL ENGINEERING

#### Submitted to the principal

#### 11.01.2022

It is proposed to conduct Guest Lecture on "Eco-friendly Sustainable Special Concrete" for the civil engineering students. The Participants will be made aware of the Eco friendly materials available, special concrete, Sustainable concrete, sustainable alternate aggregates and Coconut shell concrete.

Then the properties of Coconut shell, tests on Coconut shell to be replaced for coarse aggregates were explained with photos. The entire execution of a Coconut shell concrete used test structure will be explained with photos stage by stage.

The ongoing research works on Coconut shell, Coconut husk and using Coconut coir yield fibres in construction industry will be explained. The topics to be discussed in the guest lecture, which will be helpful for the students to understand the current trends in concrete industries and construction fields.

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#### **GUEST LECTURE BROCHURE**





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## **Speaker Profile**

#### DR. K. GUNASEKARAN



Dr. K. Gunasekaran

Professor Area: Civil Engineering Affiliation: Department of Civil Engineering, Kattankulathur Campus, SRM Institute of Science and Technology (formerly known as SRM University). Email: gunasekk@srmist.edu.in

Education				
Ph.D.	Concrete Technology	SRMIST, 2011		
M.E.	Structural Engineering	Anna University, 2004		
AMIE	Civil Engineering	The Institution of Engineers (India), 1992		
DCT	Concrete Technology	Annamalai University, 1990		
DCE	Civil Engineering	Directorate of Technical Education, 1988		

#### Other Details:

#### Courses

Concrete Technology - Advanced Concrete Technology - Concrete Technology & Special concretes - Concrete Laboratory - Prestressed Concrete Structures -Modern Materials and Structural System Design - Advanced Construction Techniques - Mechanics of Solids - Strength of Materials -Estimating, Costing and Quantity Surveying.

#### **Research Interests**

Material and Structures – Concrete Technology - Lightweight concrete – Coconut shell concrete – Fibre Reinforced Concrete - High strength concrete – Self Compacting Concrete – Admixtures in Concrete – Sustainable Concrete - Steel – concrete – steel – double skin elements – Ferrocement – Non Structural Elements.

Selected Publications

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J.N.F

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105. With K.S. Anandh, S. Senthamizh Sankar. An envisage on emotional intelligence among superior-subordinate in construction sector of Chennai City, India. AIP Conference Proceedings 2277, 240012 (2020); https://doi.org/10.1063/5.0025223, November 2020.

With Lakshmi Thangasamy, Behavior of Steel-Coconut Shell Concrete-Steel Composite Beam without and with Shear Studs under Flexural Load, Materials 2020, 13(11), 2444; https://doi.org/10.3390/ma13112444, 27 May 2020.

With S. Prakash Chandar, K.S. Satyanarayanan and R. Annadurai. Study on some durability properties of coconut shell concrete with guarry dust, European Journal of Environmental and Civil Engineering, 24 (6), pp. 709-723, 2020. DOI: 10.1080/19648189.2017.1418435, (2020).

With Dinesh R A, Manikanta G, Planning, Analysis and Design of G+5 Interlaced Car Parking and Class Room Complex Proposed at SRMIST, Kattankulathur, International Journal of Advanced Research in Engineering and Technology, 11(6), 2020, pp. 984-996, (2020).

With K S Anandh. A Study on Human Resources in Construction Industry in Chennai - Work Life Balance Perspective. Ciencia E Tecnica Vitivinicola, A Science and Technology Journal, Vol. 34 (n.5, 2019), page 110 - 122.

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With Prasath Kumar, V.R.The effect of alccofine in coconut shell concrete and examining bond through inverted metallurgic microscope. Rasayan Journal of Chemistry, 12(4), pp.2218-2226, 2019.

With Prakash Chandar, S. Study on the effect of quarry dust on plastic shrinkage in concrete slab made with the waste coconut shell as aggregate. Journal of Green Engineering, 9(2), pp. 282-290, 2019.

With Yadav, D. Study on the effect of granite powder in coconut shell concrete mechanical properties. Rasayan Journal of Chemistry.12 (3), pp. 1562-1568, 2019.

With Prasath Kumar, V.R. The effect of silica fume in coconut shell concrete and examining bond through inverted metallurgic microscope. Rasayan Journal of Chemistry, 12(3), pp.1575-1583, 2019.

With Chandar, S.P., Saravanan S and Ramasubramani R. An experimental study of concrete mixed with coconut husk as partial replacement of fine aggregate. Rasayan Journal of Chemistry. 12 (3), pp. 1621-1626, 2019.

With Mullaivendhan, S. Durability properties of hybrid fibers in Coconut shell concrete. International Journal of Innovative Technology and Exploring Engineering (IJITEE)', ISSN: 2278-3075 (Online), 8(7), pp. 2606-2610, 2019.

With Yadav, D, Study on the durability properties of coconut shell concrete with granite powder. International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, 7(6), S4, pp.:70-74, 2019.

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With M. Mohamed Barveen. Study on the effect of rice husk ash in coconut shell concrete. International Journal of Civil Engineering and Technology, 9 (5), pp. 264-273, 2018.

With S. Prakash Chandar, K. Prasanth and G. Senthil Kumar. An experimental investigation and durability property on recycled concrete with partial replacement to fine aggregate in coconut shell concrete. Rasayan Journal of Chemistry. 11 (2), pp. 702-708, 2018.

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With Anandh. K.S. An investigation on stress among the professionals in the Indian construction industry. Construction Research Congress, Safety and Disaster Management - Selected Papers from the Construction Research Congress 2018, April 2018, pp.1-7.

With Prasath Kumar, V.R., Sreerag, K.P. A Story on Mechanical Properties of Conventional Concrete and Coconut Shell Concrete by Replacing Cement with Silica Fume. International Journal of Engineering and Technology (UAE). 7 (2.12), page 437-442, 2018. S.N. MUT PRINCIPAL

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With Anandh, K.S., Sunny, D. A review on the work-family interface of construction professionals in South India. Journal of Advanced Research in Dynamical and Control Systems. 10 (11 Special Issue), pp. 405-420, 2018.

With Anandh, K.S., Jacob, K. A critical review based on country wise lifestyle of construction engineers. Journal of Advanced Research in Dynamical and Control Systems. 10 (11 Special Issue), pp. 400-404, 2018.

With Anandh, K.S., Prasanna, Aravinth, K.S. An exploratory study on lean teaching adoption rate among academia and industry in Indian scenario. IGLC 2018 - Proceedings of the 26th Annual Conference of the International Group for Lean Construction: Evolving Lean Construction towards Mature Production Management across Cultures and Frontiers 2, pp. 1395-1404, 2018.

With Prasath Kumar, V.R., Pillai, N.V., Shyamala, T. A study on relationship and opinions between contractors and project management consultants. Journal of Advanced Research in Dynamical and Control Systems, 10(8 Special Issue), pp. 576-582, 2018.

With Prasath Kumar, V.R, Vignesh, G.S., Niranjan, R. A case study on the BOT technique for an road project with cost analysis and concession period. Journal of Advanced Research in Dynamical and Control Systems 10 (8 Special Issue), pp. 554-560, 2018.

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With S. Prakash Chandar, N. Sai Sandeep and S. Manikandaprabhu. An experimental investigation on strength properties of steel fibres along with recycled aggregate in cement concrete. Rasayan Journal of Chemistry. 10 (2), pp. 528-533, 2017.

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With K.S. Anandh. Constructing a Model to Examine the Influence of Quality of Work-Life Balance – Discernment of Civil Engineers from Construction Industry in Chennai. Indian Journal of Science and Technology, 9 (40), October 2016, pp 1-12. DOI: 10.17485/ijst/2016/v9i40/100760.

With R. Annadurai, and P.S.Kumar, A study on some durability properties of coconut shell concrete, International Journal of Materials and Structures, 48 (5): 2015, pp 1253-1264.

With K.Kruthiga and K.S. Anandh, Assessment of influencing factors on improving effectiveness & productivity of construction engineers, International Journal of Applied Engineering Research, 10 (17): May 2015, pp.13849-13854. With R. Abinesh and R. Annadurai, Study on flexural behavior of coconut shell concrete using quarry dust, International Journal of Research in Science & Technology, 1 (11):2015, pp 426-432.

With S. Ranjith, T.S. Lakshmi, and R. Annadurai, Study on flexural behavior of steel-coconut shell concrete – steel sandwich beam using quarry dust, International Journal of Research in Science & Technology, 1 (11):2015, pp 433-439. With R. Annadurai, R. Ramasubramai and S. Prakash Chandar, Study on reinforced lightweight coconut shell concrete beam behavior under torsion", International Journal of Materials and Design, 57(2014), pp 374-382.

With R. Annadurai, and P.S.Kumar, Plastic shrinkage and deflection characteristics of coconut shell concrete slab", International Journal of Construction and Building Materials, 43(2013), pp 203-207.

With R. Annadurai, and P.S.Kumar, Study on reinforced lightweight coconut shell concrete beam behavior under shear, International Journal of Materials and Design, 50(2013), pp 293-301.

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With R. Annadurai, and P.S.Kumar, Long term study on compressive and bond strength of coconut shell aggregate concrete, International Journal of Construction and Building Materials, 28(2012), pp 208-215.

With R. Annadurai, and M. Lakshmipathy Study on flexural behavior of reinforced coconut shell concrete, International Journal of Engineering Sciences and Research, 2 (3), July, 2011, pp 228-235.

With P.S.Kumar and M.Lakshmipathy, "Mechanical and bond properties of coconut shell concrete", International Journal of Construction and Building Materials, 25(1), 2011, pp.92-98.

With, P.S.Kumar and M.Lakshmipathy, "Compatibility studies on the coconut shell cement composites", National Journal of Indian Concrete Institute, 11, 2010.

With P.S.Kumar and M.Lakshmipathy, "Study on Properties of Coconut Shell as an aggregate for concrete", National Journal of Indian Concrete Institute, 2011, Vol 12, Issue.2, pp. 27-33.

With Eapen Sakaria and M.Lakshmipathy, Experimental of evolution of high strength concrete beams subjected pure



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torsion, Indian Concrete Institute Journal, 2007, Vol.7, pp. 27-30.

#### **Reviewer for Journals**

ACI Structural and Materials Advances in Materials Science and Engineering Archives of Civil and Mechanical Engineering Australian Journal of Civil Engineering British Journal of Applied Science & Technology Construction and Building Materials Engineering Journal Engineering Science and Technology Engineering Structures European Journal of Environmental and Civil Engineering Materials and Structures SN Applied Sciences

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#### **Papers Presented**

With T.S. Lakshmi. Flexural resistance of steel-coconut shell concrete-steel composite beam with normal and j-hook shear studs. 2020 International UNIMAS 13th Engineering Conference (EnCon 2020), 27-28, October 2020, Malaysia. With T. Thilagashanthi. Treatment on Coconut Shell to improve its Quality for use as Coarse Aggregate. 2020 International UNIMAS 13th Engineering Conference (EnCon 2020), 27-28, October 2020, Malaysia.

With R. Ramasubramani. Study on Precast Coconut Shell Concrete Beam-Column Junction Using M-Sand under Static Load. 2020 International UNIMAS 13th Engineering Conference (EnCon 2020), 27-28, October 2020, Malaysia. With K. S. Anandh. Investigation on the factors affecting the lifestyle of professionals in the construction industries (Kerala and Tamil Nadu). 2020 International UNIMAS 13th Engineering Conference (EnCon 2020), 27-28, October 2020, 27-28, October 2020, Malaysia.

Seminar on "Sustainable Special Concrete", SRM School of Architecture and Interior Design, SAID Student Association, 10 February, 2020.

With Yadav D. Study on the Durability Properties of Coconut Shell Concrete with Granite Powder. International Conference on Multi-Disciplinary Research Studies and Education (ICMDRSE-19), 29-30 March 2019, Chennai, India. Intellectuals' Social Responsibility - National Seminar, "Coconut Shell Concrete", by Institute of Self Reliance, 01 December 2018, Bhubaneswar, Odisha, India.

With S. Anandh. Mechanical characterisation of coconut shell concrete with quarry dust and saw dust as fine aggregate using coconut fibre. 3rd International Conference on Civil Engineering and Infrastructural Issues in Emerging Economies (ICCIEE 2018), 16-17, March 2018, Sastra Deemed to be University, Thanjavur, Tamil Nadu, India.

With Idowu H Adebakin "Microstructural Studies on Self-compacting Coconut Shell Aggregate Concrete Blended with Fly Ash, Research Day, 01 March 2018, SRM IST, Kattankulathur, India.

With G. Pennarasi. "Study on the reinforced fencing post using coconut sehll aggregate concrete", Research Day, 01 March 2018, SRM IST, Kattankulathur, India.

With S. Soumya and G. Pennarasi, Study on the reinforced manhole cover slab using coconut shell aggregate concrete, 2nd International Conference on Recent Advances in Material Chemistry (ICRAMC -2018), 14-16 February 2018, SRM IST, Kattankulathur, India.

With G. Pennarasi and S. Soumya, Study for the relevance of coconut shell aggregate concrete paver blocks, 2nd International Conference on Recent Advances in Material Chemistry (ICRAMC -2018), 14-16 February 2018, SRM IST, Kattankulathur, India.

With Idowu H Adebakin and R. Annadurai, Experimental Studies on the Properties of Metakaolin Blended Self-Compacting Coconut Shell Lightweight Concrete. Proceedings of an International Conference (ICACMS), Chennai, India, September 3-8, 2017.

With Idowu H Adebakin and Jimi Paul, "Study on self-compacting coconut shell concrete", Proceedings of the International Conference on Engineering Innovations and Solutions (ICEIS-2016) on 22nd April 2016, CMS College of Engineering, Namakkal, Tamilnadu, India.

With K.S. Anandh, " Developing a conceptual module for ensuring quality assurance of major construction works", Proceedings of the International Conference on Advances in Civil Engineering and Sustainable Construction (ACESE'16), 30th March – 1st April 2016, SRM University, Ramapuram campus, Chennai.

With S. Kirithika and K.S. Anandh, "Assessment of influencing factors on improving effectiveness & productivity of construction Engineers", Proceedings of the International Conference on Emerging Trends in Engineering Research (ICETER), 24-25, April 2015, VELS University, Pallavaram, Chennai.

With SriRam Pradeep and R. Annadurai, Mechanical properties of coconut shell concrete with quarry dust, Proceedings of National Conference IMTCE-2015 (Inventive Materials and Techniques in Civil Engineering, 24th March 2015, Kalasalingam University, Srivilliputtur.

With M. Indira, and M.Muhilan, Effect of crystalline silica as filler on the performance of concrete, Proceedings of National Conference RAISE-15 (Recent Advances in Structural Engineering),

28th March 2015, Dr. Mahalingam College of Engineering and Technology, Pollachi.

With V.Srinivas Mallick, R.Annadurai, "An experimental study on use of coconut husk as low cost building material", proceedings of the National Conference on Recent Developments in Civil Engineering (RDCE-2012), 21-22, March 2012, page.98-103.

With P.S.Kumar, "An Agricultural Waste as Aggregate in Lightweight Concrete", Proceedings of the Sixth Structural

Engineering Convention, SEC-2008, December 18 – 20, 2008, Chennai, India. pp. 1079 - 1087.

With P.S.Kumar, "Developing lightweight concrete using Agricultural and Industrial Solid Wastes", Proceedings of the Innovative World of Concrete 08, 4th International Conference & Exhibition + ICI Silver Jubliee celebration, (ICI-IWC 08)- Indian Concrete Institute, 11-14 Dec 2008, New Delhi, India.

With P.S.Kumar, "Lightweight Concrete Mix Design Using Coconut Shell Aggregate", Proceedings of the International Conference on "Innovations in Building Materials, Structural Designs and Construction Practices (IBMSDCP-2008) 15-17 May 2008, Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu, India, pp 375-382.

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With N.Vivekanandan, and P.Eapen Sakaria, "Influence of the beam size on concrete shear strength", Proceedings of the National Conference on Theoretical and Experimental Advances in Civil Engineering (TEACE 2007) Feb 8-9, 2007, SRM University, Kattankulathur, Chennai, India, pp 444-453.

With P.S.Ranjeeth Kumar and P.Eapen Sakaria, "Experimental Investigation on Minimum Transverse Reinforcement in High Strength Concrete Beams", Proceedings of the National Conference on Theoretical and Experimental Advances in Civil Engineering (TEACE 2007) Feb 8-9, 2007, SRM University, Kattankulathur, Chennai, India, pp 463-473.

With P.Eapen Sakaria, "Behaviour of Concrete in Shear strength of Beams in Various Sizes", proceedings of the National Conference on Frontline Areas of Civil Engineering, (NCFACE-07), 20-21 April 2007, VLBJCET, Coimbatore, pp 215-222.

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With P.Eapen Sakaria and M.Lakshmipathy,,"Pure Torsional Behaviour of High Strength Concrete Beams" Proceedings of National Conference on Concrete Technology for the Future (NCCTF- 2006), 21-22 April 2006, Kongu Engineering College, Perundurai, Erode-638 052, Tamil Nadu, India, pp 656-663.

With P.Eapen Sakaria and M.Lakshmipathy.,"Behaviour of Under Reinforced High Strength Concrete Rectangular Beams subjected to Pure Torsion", Proceedings of International Conference on Advances in Concrete Composites and Structures (ICACS-2004), 06-08 January 2005, SERC, Chennai-600 113, India, pp 579-586.

With P.Eapen Sakaria and M.Lakshmipathy.,"Behaviour of Under Reinforced High Strength Concrete Rectangular Beams subjected to Pure Torsion", Proceedings of International Conference on Advances in Concrete and Construction, ICACC-2004, 16-18 December 2004, Hyderabad, India, pp 291-300.

With P.Eapen Sakaria and M.Lakshmipathy.,"Behaviour of Under Reinforced High Strength Concrete Rectangular Beams subjected to Pure Torsion", International Conference on World of Innovations in Structural Engineering, Conference documents, WISE-2004, Association of Consulting Civil Engineers (India), Hyderabad & Nagpur, centres, 01-03 December 2004, (Soft Copy only).

With P.Eapen Sakaria and M.Lakshmipathy.,"Behaviour of Under Reinforced High Strength Concrete Rectangular Beams subjected to Pure Torsion", National Conference on Structural Engineering and Mechanics (SEM-04), 24-25 September 2004, BITS, Pilani, India, pp 296-300.

With P.Eapen Sakaria and M.Lakshmipathy.,"Behaviour of Reinforced High Strength Concrete Rectangular Beams subjected to Pure Torsion", International Conference on Structural and Foundation Failures, IES / IstructE joint Committee, Singapore, 02-04 August 2004, pp 286-297.

#### **Book Published**

With R. Annadurai "Coconut shell as an Aggregate in Concrete", Published by LAMBART Academic Publishing, Germany, 2017 (ISBN: 978-3-330-04948-2).

With J.S. Sudarsan "Repair and Rehabilitation of Structures" Published by ARS Publications, Chennai, First Edition, January 2017.(ISBN: 978-93-84608-09-5).

With J.S. Sudarsan, and R. Annadurai "Concrete Technology" Published by AR Publications, Chennai, First Edition June 2015 (ISBN: 978-9384634889).

#### Patents Published

Concrete / Mortar composition comprising coconut shell husk (The Patent Office Journal No.10/2019 Dated 08/03/2019, Page 10337).

Coconut shell crusher device (The Patent Office Journal No.23/2019 Dated 07/06/2019, Page 24453).

Prefabricated Unipaver concrete block embedded with coconut shell particles (The Patent Office Journal No.03/2020 Dated 17/01/2020, Page 3086).

Prefabricated fencing post embedded with coconut shell particles (The Patent Office Journal No. 17/2020 Dated 14/02/2020, Page 8594).

#### Working Papers

J.N. Mys PRINCIPAL

With S. Prakash Chandar and R. Annadurai, Performance of axially loaded coconut shell aggregate concrete column. With G. Augustine Maniraj Pandian, R. Annadurai, and S. Manikandaprabhu, Testing of prototype structure constructed using coconut shell aggregate concrete.

> AUTONOMOUS INSTITUTION

With R. Ramasubramani. Effect of M-sand in Coconut Shell Concrete. With R. Ramasubramani. Energy of the concerns and the improve its quality with T. Thilagashanthi, Treatment on coconut shell to improve its quality strengthere is a strength of the strength

#### Work in Progress:

With K. Kalaivani, Study on Coconut husk ferrocement. With S. Sharon Rose. Effect of Ferrcock in CSC. With P. Purnachandar. Construction Building Materials – (LI-CO- CRETE) With Ch. Ravi Teja. Water Resources – Geotechnical – Scour Depth

#### Academic Experience:

Professor, Department of Civil Engineering, SRM IST, Since July 2012 Assistant Professor (S.G), Department of Civil Engineering, SRM University, May 2006- June 2012 Senior Lecturer, Department of Civil Engineering, SRM University, April 2005 – April 2006 Lecturer, Department of Civil Engineering, SRM University, June 2004 – March 2005 Teaching Associate, Department of Civil Engineering, SRM University, October 2003 – April 2004 Lecturer, Pallvan Engineering College, Kancheepuram, January 2000 – April 2002 Lecturer, AMIE & Diploma Coaching Classes (Private), January 1996 – November 1999

#### **Other Professional Experience**

Entrepreneur & Contractor, Kala-Vijay Construction, Kancheepuram, August 1991-December JAPAKSHMI ENGINEERING COLLEGE Technical Assistant, Walajabad Panchayat Union, August 1990 – July 1991. Supervisor, under L. Varathan, Civil Engineering Contractor, Walajabad, July 1988 – July 1990. THANDALAM, CHENNAI - 602 105

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#### Workshops /Seminars/Conferences

Programmes Participated

Technical Webinar - Design and Construction of Post Tensioned Flat Slab - 13 September 2020, SRM IST, Kattankulathur.

Technical Webinar – Challenges and Opportunities in the Area of Coastal and Ocean Engineering - 28 August 2020 SRM IST, Kattankulathur.

Technical Webinar – Durability Enhancement Techniques for Reinforced Cement Concrete – 23 August 2020, SIST, Kattankulathur.

National Webinar – Collaborative Contract Methodology (Alliance Approach) - Way Forward -23 July 2020, SRM IST Kattankulathur.

Technical Webinar – M-Sand, Need of this Hour – 23 May 2020, ACCE, UltraTech Cement Limited and SRM IST, Kattankulathur.

Technical Webinar – An Overview of Earthquake Resistant Structures – 18 May 2020, ACCE, UltraTech Cement Limited and SRM IST, Kattankulathur.

ASCE Leadership Training Programme, organized by ASCE India Section Southern Region in Association with SRM IST, 26 February, 2020.

One day workshop on Technology Transfer between the Institute and Industries on Concrete and Construction (TK-I2C2), 04 March 2016, SRM University, Chennai.

International Groundwater Conference (IGWC-2015), Feb 11-13, 2016, SRM University, Chennai.

Workshops on quality control of concrete and construction materials through testing and experimental structural dynamics, health monitoring & Non-destructive evaluation using smart materials, 14 June 2013, IIT Delhi.

National Conference on Recent Developments in Civil Engineering (RDCE-2012), 21-22, March 2012, SRM University. Sixth Structural Engineering Convention, SEC-2008, December 18 – 20, 2008, SERC Chennai, India.

International Conference on "Innovations in Building Materials, Structural Designs and Construction Practices (IBMSDCP-2008) 15-17 May 2008, Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu, India. International Conference on Advances in Concrete and Construction (ICACC-2008), Vasavi College of Engineering, Hyderabad, Andra Pradesh, India. 07-09 Feb-2008.

Short-Term Training Programme on Steel Concrete Composites Structures (STTP- SCCS 2007), 20-21 Dec, 2007, SRM University, Chennai, India.

Continuing Education Programme on "Special Concrete- 2007", SRM University, Chennai, 02nd March 2007. National Conference on Theoretical and Experimental Advances in Civil Engineering (TEACE 2007), SRM University, Chennai, 8-9, February 2007.

Two day Programme on Steel-Concrete Composite Construction, INSTRUCT, Bangalore, 09-10 June 2006. Seminar on Seismic detailing of RCC Structures, Indian Concrete Institute, Chennai, Tamil Nadu, 26-27 May 2006. International Conference on Recent Advances in Concrete and Construction Technology, (INCRAC & CT-2005), SRM Institute of Science and Technology, Kattankulathur.603 203, 07-09 December 2005.

One day Workshop on "Seismic Hazards, Design and Retrofitting", Hindustan College of Engineering, Padur, Chennai-603 103, 23.09.2005.

One day Workshop on Seismic Evaluation and Retrofit of Multi-Storeyed Buildings", Indian Institute of Technology, Madras, 12.03.2005.

International Conference on Advances in Concrete Composites and Structures, (ICACS-2005), Structural Engineering Research Center (SERC), Chennai-600 113, India. 06-08 January 2005.

International Conference on Advances in Concrete and Construction, (ICACC 2004), Vasavi College of Engineering, Hyderabad, Andra Pradesh, India. 16-18 Dec-2004.

One day Workshop on Good Construction Practices and Usage of Construction Chemicals, SRM Institute of Science and Technology, Kattankulathur.603 203, 10.09.2004.

Induction Training Programme, SRM Institute of Science and Technology, Kattankulathur.603 203, 13-14, August 2004. One day Workshop on Cost Effective Techniques In Foundations for Problematic Soils, SRM Institute of Science and Technology,Kattankulathur.603 203, 24.01.2004.

Programmes Conducted with Coordination

Coordinator from SRM IST - one week Short Term Training Program (STTP) on "Advanced Concepts in Materials and Structural Engineering" during 16-21, November 2020 jointly by UNIMAS, Malaysia.

Coordinator from SRM IST – Jointly organized – 2020 International UNIMAS 13th Engineering Conference (EnCon 2020), 27-28, October 2020, Malaysia.

Coordinator – Webinar – Simplified Methods in Practice for Checking Structural Design with Case Studies – Er. C. Kalyanasundaram, Superintending Engineer, Tamil Nadu Public Works Department, Planning and Designs Circle (Buildings), Chennai, 11 October 2020.

Convener – A Five Days Online Faculty Development Programme on Recent Trends and Innovations in Construction Technologies (RTICT), SRM IST, Kattankulathur, 10th August to 14th August 2020.

Convener - A Five Days Online Faculty Development Programme on Recent Development & Applications in Geotechnical Engineering (RD & AGE)", SRM IST, Kattankulathur, 20th July to 24th July 2020.

Convener - A Five Days Online Faculty Development Programme on "Innovation in Civil Engineering and Concrete Technology (ICECT)", SRM IST, Kattankulathur, 13th July to 17th July 2020.

Coordinator - Technical Webinar - Microstructural Analysis on Cement Paste using SEM - Dr. T.

Palaniswamy, Department of Civil Engineering, NITK, Surathkal, 11 July 2020.

Coordinator – Technical Webinar - "Microbiological Biodiversity in Marine Sources and its Application in Bioremediation", Dr.A Gnanamani, Head & amp; Sr.Principal Scientist, Microbiology Lab, CSIR - CLRI, Chennai, 05 June 2020.

Coordinator – Technical Webinar - "Research without Border and Faculty Development", Dr. U Johnson Alengaram, Director, Centre of Innovative Construction Technology, Faculty of Engineering, University of Malaya, Malaysia, 26 May 2020.

Coordinator – Technical Webinar - FRP Strengthened RCC Piles Under lateral loads- a Field Study, Dr. K Muthukkumaran, Professor / Civil, NIT, Trichy, 24 May 2020.

Coordinator – Technical Webinar - Challenges in the Construction and Real Estate Industry after Covid-19, Shri. Sriram lyer, Chief Operations officer, Shapoorji Pallonji and Co. Pvt. Ltd, Pune, 23 May 2020.

Coordinator – Technical Webinar - "Modern Trends in Construction and Case Studies of Value Engineering in Foundation Design", Dr Anil Joseph, Managing Director, Geo Structural Pvt Ltd, Cochin, 22 May 2020.

Coordinator – Technical Webinar - Risk Management Practice, Dr. Anjay Kumar Mishra , Associate Professor & amp; Research Director, Pokhara University, Nepal, 20 May 2020.

Coordinator – Technical Webinar - Case Studies on Geotechnical Failures, Prof. S.R.Gandhi, Director, SVNIT, Surat, 18 May 2020.

Coordinator – Technical Webinar - "Cracking Studies of High Performance Concrete Designed for Bridge Decks" - Prof. Indrajit Ray, The University of The West Indies, St.Augustine, West Indies, 14 May 2020.

Coordinator – Technical Webinar - "Structural failure causes and Research thoughts" -Prof. Dr. Md. Abdul Mannan, Universiti Malaysia Sarawak, Malaysia, 12 May 2020.

Coordinator – One day workshop – Practical based Training on Geo-Reinforcement and Concrete Materials, 29 February 2020, SRM IST, Kattankulathur.

Coordinator – One day workshop – Awareness and Training on Construction Chemicals for Field Practice, 22 February 2020, SRM IST, Kattankulathur.

Coordinator – One day workshop – Training on Testing of Geo and Special Lightweight Concrete, 15 February 2020, SRM IST, Kattankulathur.

Coordinator – One day workshop – Experimental Training on Soil Reinforcement and Concrete Made with Coconut Shell, 08 February 2020, SRM IST, Kattankulathur.

Coordinator – One day workshop – Geosynthetics and Coconut Shell Concrete, 01 February 2020, SRM IST, Kattankulathur.

Coordinator - Faculty Development Program on "Practical Training on Geosynthetics and Special Concrete", Department of Civil Engineering, SRM IST, Kattankulathur, 18th–22nd November, 2019.

Coordinator - Faculty Development Program on "Experimental Studies on Concrete and Soil Characteristic", Department of Civil Engineering, SRM IST, Kattankulathur, 13th–17th, May 2019.

Coordinator - Faculty Development Program on "Practical Training on Geosynthetics and Building Materials",

Department of Civil Engineering, SRM IST, Kattankulathur, 19th-23rd, November 2018.

Coordinator - One day "Skill development program for Head Masons" Department of Civil Engineering, SRM IST, Kattankulathur in Association with UltraTech Cement Ltd, Chennai on 18th September 2018.

Coordinator – One day workshop – Testing on Geotextile and Sustainable Concrete Materials, 08 September 2018, SRM IST, Kattankulathur.

Coordinator – One day workshop – Realistic Testing on Geosynthetics and Special Concrete Material, 24 February 2018, SRM IST, Kattankulathur. Coordinator – One day workshop – Learning Proceed Material, Testing on Geosynthetic and Lightweight Aggregate

Coordinator – One day workshop – Learning Proceed Materials Testing on Geosynthetic and Lightweight Aggregate, 17 February 2018, SRM IST, Kattankulathur.

Coordinator – One day workshop – Georeinforcement and Coordinator – Experimental Training, 10 February

7. Chert

J.N. MARKICIRAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

2018, SRM IST, Kattankulathur.

Coordinator – One day workshop – Materials Testing and Training on Geosynthetics and Lightweight Concrete, 27 January 2018, SRM IST, Kattankulathur.

Coordinator – One day workshop – Geotextile and Special Concrete Materials Testing, 06 January 2018, SRM IST, Kattankulathur.

Coordinator – One day workshop – Laboratory Studies on Geo Material and Special Concrete, 21 October 2017, SRM IST, Kattankulathur.

Coordinator – One day workshop – Testing on Georeinforceemnt Material and Coconut shell Concrete, 14 October 2017, SRM IST, Kattankulathur.

Coordinator – One day workshop – Practical Training in Geotextile and Lightweight Concrete, 07 October 2017, SRM IST, Kattankulathur.

Coordinator – One day workshop – Geosynthetics and Special Concretes, 23 September 2017, SRM IST, Kattankulathur.

Coordinator – One day workshop – Geosynthetics and its properties, 09 September 2017, SRM IST, Kattankulathur. Coordinator – National Level Two days' Workshop on "Tech-Knowledge Transfer between Institute and Industries in Civil Engineering (TK→IICE), 3-4 March, 2017, SRM University, Chennai.

Co-ordinator for a one day workshop on Technology Transfer between the Institute and Industries on Concrete and Construction (TK-I2C2), 04 March 2016, SRM University, Chennai.

Organizing Secretary - The International Groundwater Conference (IGWC-2015), Feb 11-13, 2016, SRM University, Chennai.

Coordinator and Editor - National Conference on Recent Developments in Civil Engineering (RDCE-2012), 21-22, March 2012.

Coordinator – Refresher Training on Material Testing – for Consolidated Construction Consortium Limited – (CCCL – Chennai), 20-30, December 2011.

Course Coordinator – Awareness Programme for Unqualified Construction Personnel on Construction Practice, 01 July 2011, SRM University, Chennai, India.

Coordinator – Refresher Training on Material Testing – for Consolidated Construction Consortium Limited – (CCCL – Chennai), 18-29, January 2011.

Coordinator – Refresher Training on Material Testing – for Consolidated Construction Consortium Limited – (CCCL – Chennai), 29 June 2009 to 07 July 2009.

Coordinator - Short- Term training Program on Steel-Concrete Composite Structures (STTP-SCCS 2007), December 20-21, 2007, SRM University, Chennai, India.

Coordinator – Editor - International Conference on Recent Advances in Concrete and Construction Technology (INCRAC & CT 2005), SRM University, Chennai, India, 7-9, December 2005

#### Awards and Achievements

Certificate of Appreciation – Concrete Properties Testing Methodology and its Comparative Significance, 15 June 2020, EFRING COLLEGE Ramco Cement Limited, Ramco National Webinar Series 2020-2021, Certificate of Appreciation – Special Concretes and its Applications for Sustainability, 25 May 2020, Rameb Certer OUS INSTITUTION Limited, Ramco National Webinar Series 2020-2021. Certificate of an Expert Talk – Sustainable Concrete and Construction Materials – Practices for Quality Assurance, 11 May 2020, ACCE, UltraTech Cement Limited and SRM IST, Kattankulathur.

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Certificate of Recognition – Outstanding Chair – International Conference on Recent Innovations in Civil Engineering (RICE'19), 16 March 2019, Saveetha Engineering College, Chennai, India.

Green ThinkerZ Preeminent Researcher Award 2019, GreenThinkerZ Awards: 2019.

GreenThinkerZ Distinguished Educator Award 2019, GreenThinkerZ Awards: 2019.

Dr. APJ Abdul Kalam Award for Scientific Excellence – 2018, Marina Labs, Research and Development, Chennai, 13 October 2018, Chennai, India.

Dr. APJ Abdul Kalam Award for Teaching Excellence – 2018, Marina Labs, Research and Development, Chennai, 13 October 2018, Chennai, India.

Bharat Vikas Award - Certificate of Excellence - Intellectuals' Social Responsibility - National Seminar, by Institute of Self Reliance, 01 December 2018, Bhubaneswar, Odisha, India.

12OR - Outstanding Researcher Award 2018, International Institute of Organized Research 12OR Awards 2018.

12OR – Distinguished Educator Award 2018, International Institute of Organized Research 12OR Awards 2018.

Certificate of Excellence, Coordinator, Faculty Development Program on "Practical Training on Geosynthetics and Building Materials", 19-23 November 2018, SRM IST, Kattankulathur.

Elsevier Reviewer Recognition - Certificate of Reviewing Awarded June 2018, Construction and Building Materials Journal.

Certificate of Excellence, Coordinator, Ten One day series of workshop on "Geo and Building Materials", from 09 September 2017 to 24 February 2018, SRM IST, Kattankulathur.

Elsevier Reviewer Recognition – Certificate of outstanding contribution in Reviewing Awarded October 2017, Construction and Building Materials Journal.

Elsevier Reviewer Recognition - Certificate of Reviewing Awarded March 2016, Construction and Building Materials Journal.

Secured GOLD MEDAL for presentation of the paper entitled "Sustainable lightweight concrete masonry blocks using coconut husk" in the Research Day held 28th February 2012 at SRM University.

Developed coconut shell crusher and established "Coconut Shell Concrete Research Centre" – 2008-2009 at SRM University.

Received certificate of appreciation for paper publication - (2010-2011), (2011-2012), (2012-2013), (2013-2014) and

(2014-2015) from SRM University.

#### Memberships

FIE The Institution of Engineers (India), 2017 Member The Institution of Engineers (India), 2008 Life Member Indian Concrete Institute, 2005 Chartered Engineer The Institution of Engineers (India), 2001 Life Member Indian Society for Technical Education, 1991

## **CERTIFICATE**



#### **Mail Intimation**

External			-	1
Inbox	1.1.1.5.1	1.1.1.1		754

#### Gunasekaran K <gunasekk@srmist.edu.in>

Thu, Jan 20, 5:33 PM

to me

Dear Sir,

Thank you for your invitation and I am accepting the same to present a webinar for an hour on 29.01.2022 from 10.00 am to 11.00 am.

"Eco-friendly Sustainable Special Concrete" is the topic for the presentation.

With Regards

#### Dr. K. Gunasekaran, Ph.D

**Professor / Civil** 

**College of Engineering and Technology** 

#### SRM Institute of Science and Technology

Kattankulathur - 603203

Chennai, Tamil Nadu, India.

#### +91 9443353507

J.N.M

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105.

------Forwarded message ------From: Jasper Daniel J <jasperdaniel.j@rajalakshmi.edu.in> Date: Thu, Jan 20, 2022 at 4:36 PM Subject: Request for 1hour webinar on Saturday (29.01.2022) To: <<u>gunasekk@srmist.edu.in</u>>

Respected sir,

This is J.Jasper Daniel from Rajalakshmi Engineering College. As a continuation of the phone conversation Yesterday. I request your availability for 1hour webinar on Saturday (29.01.2022).



#### **Photos**





J.N. Muper

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

SL.NO	NAME	DESIGNATION	ORGANIZATION
1	JASPER DANIEL J	Assistant Professor	RAJALAKSHMI ENGINEERING COLLEGE
2	Vedhanayaghi VJ	Assistant Professor	Rajalakshmi Engineering College
3	Joyce Anto Thomas	Under graduate	Rajalakshmi Engineering college
4	AARATHI L	Under graduate	RAJALAKSHMI ENGINEERING COLLEGE
5	SUMITHRA T	Under graduate	Rajalakshmi Engineering College
6	Sharon Rose S	Research scholar	SRMIST, Kattankulathur
7	SUDHARSAN E	Under graduate	RAJALAKSHMI ENGINEERING COLLEGE
8	R.RAMASUBRAMANI	Assistant Professor	SRMIST,KATTANKULATHUR
9	Pennarasi G	Research scholar	SRM Institute of Science and Technology
10	T.THILAGASHANTHI	Research scholar	SRMIST-KATTANKULATHUR
11	Sharvin.R	Under graduate	Rajalakshmi Engineering college
12	FERIN J TIFO	Under graduate	Rajalakshmi engineering college
13	K.KALAIVANI	Research scholar	SRM Institute of Science and Technology
14	Arivukkarasu.D	Assistant Professor	GRT institute of Engineering and Technology, Tiruttani
15	HARI NITHISH HARAN S	Under graduate	Rajalakshmi engineering college
16	PRAVEEN S	Under graduate	Rajalakshmi Engineering College
17	PRADHIKSHA S	Under graduate	RAJALAKSHMI ENGINEERING COLLEGE
18	T S Lakshmi	Associate Professor	Saveetha school of engineering
19	KOWSALYA R	Under graduate	Good
20	MOGESH.A.H	Under graduate	Rajalakshmi engineering college
21	VIJAY PRALASH S	Under graduate	Student
22	Yogashree G	Under graduate	Rajalakshmi Engineering College
23	PV SelvaSaradhi	Professor	Rajalakshmi Engineering college
24	PRITHVI E	Under graduate	Rajalakshmi Engineering College
25	Dr.M.UMA MAGUESVARI	Associate Professor	Rajalakshmi Engineering College
26	VINODHINI V	Under graduate	RAJALAKSHMI ENGINEERING COLLEGE, THANDALAM, CHENNAI
27	Sudharshan.J	Under graduate	Rajalakshmi Engineering College
28	Dinesh sundaramarthandan. U	Under graduate	Rajalakshmi engineering college

## PARTICIPANT LIST

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGI AN AUTONOMOUS INSTITUTION

29	THIRUVEEDHULA SRIKAR	Under graduate	I gained lot of new things
30	Priyadharshini.k	Under graduate	Rajalakshmi Engineering college
31	ENIYA T V	Under graduate	Rajalakshmi Engineering College
32	DESINA MARY L	Under graduate	Rajalakshmi engineering college
33	DHARSHAN P	Under graduate	RAJALAKSHMI ENGINEERING COLLEGE
34	Saran A	Under graduate	Civil department rec
35	PARTHIBAN B	Assistant Professor	PARTHIBAN
36	PARTHIBAN. B	Under graduate	RAJALAKSHMI ENGINEERING COLLEGE
37	Dr.S.SUJATHA	Professor	K.Ramakrishnan college of technology
38	Mr. SOURAV MITRA	Assistant Professor	Abacus Institute of Engineering and Management
39	MR. DEBARGHA BANERJEE	Assistant Professor	JIS COLLEGE OF ENGINEERING
40	A. VAHIDHA BANU	Under graduate	JERUSALEM COLLEGE OF ENGINEERING
41	GELLI SEKHAR BABU	Assistant Professor	RISE KRISHNA SAI PRAKASAM GROUP of INSTITUTIONS
42	B.Mahendra Reddy	Associate Professor	Rise Krishna Sai Gandhi Group of institutions
43	Bhaya .T	Post graduate	MNM jain
44	Dr S Deepa Shri	Professor	Hindustan college of engineering and technology
45	ANITHA.R	Post graduate	MNM JAIN COLLEGE OF ENGINEERING
46	Mohamed Rafig	Industry person	Conkem Chemicals
47	SENTHIL KUMAR R	Assistant Professor	Hindusthan College of Engineering and Technology
48	RITHIGA J S	Under graduate	Rajalakshmi Engineering College
49	Priya dharshini . S	Under graduate	Rajalakshmi engineering college
50	Patrick Mwale	Under graduate	University Student
51	Raghamalavika B	Under graduate	SSN college of engineering
52	SHANMUGHA PRIYAA E.P	Under graduate	Rajalakshmi engineering College
53	P.Venugopal	Lecturer	Thiagarajar Polytechnic College
54	P.Venugopal	Lecturer	Thiagarajar Polytechnic College
55	SATHISH KUMAR K	Under graduate	RAJALAKSHMI ENGINEERING COLLEGE
56	Rindhiya.M	Under graduate	Rajalakshmi engineering college
57	VEDHA VARSHINI S	Under graduate	RAJALAKSHMI ENGINEERING COLLEGE
58	G VIGNESH	Under graduate	Rajalakshmi engineering college
59	SARASWATHI.K	Assistant Professor	Hindusthan College of Engineering and Technology
50	VIGNESH B	Under graduate	Rajalakshmi Engineering College
51	BASKAR SINCH G	Assistant	P. S. R. Engineering College SivakasiNG C RAJALAKSHMI ENGINEERING C AN AUTONOMOUS INSTITU AN AUTONOMOUS INSTITU

		Professor	
62	Dr. K. Akil	Professor	Hindusthan College of Engineering and Technology
63	SOWMIYA.T	Under graduate	Rajalakshmi engineering college
64	Vijay Sriram.A	Under graduate	Rajalakshmi Engineering College
65	Nithyashree M D	Post graduate	MNM Jain engineering college
66	CH.VENKATESWARLU	Assistant Professor	RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS
67	Alex Livingston Raja. A	Assistant Professor	Hindusthan College of Engineering and Technology
68	SENTHIL KUMAR R	Assistant Professor	Hindusthan College of Engineering and Technology
69	LOGAN DURAI M	Assistant Professor	HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
70	MR. DEBARGHA BANERJEE	Assistant Professor	JIS COLLEGE OF ENGINEERING
71	SUBHOJIT CHATTARAJ	Assistant Professor	Murshidabad college of Engineering and Technology
72	Ranjith Kumar.M	Under graduate	RAJALAKSHMI ENGINEERING COLLEGE
73	Sowmiya.T	Under graduate	Rajalakshmi engineering college

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.



## **CERTIFICATE**



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### **Feedback**







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### **Report**

A Technical Guest lecture was organized by the Department of Civil Engineering, Rajalakshmi Engineering College in association with Indian Concrete Institute – Chennai Centre & Institution's Innovation Council on 29.01.2022 (Saturday) from 10.00am.

The expert talk had been organized on **"Eco-friendly Sustainable Special Concrete"** by **Dr.K.Gunasekaran, Ph.D**, Professor / Civil, College of Engineering and Technology, SRM Institute of Science and Technology, Kattankulathur – 603203, Chennai.

The expert stated the Guest lecture with introduction to Eco friendly materials available, special concrete, Sustainable concrete, sustainable alternate aggregates and Coconut shell concrete.

Then the properties of Coconut shell, tests on Coconut shell to be replaced for coarse aggregates were explained with photos. The entire execution of a Coconut shell concrete built test structure was explained with photos stage by stage.

The ongoing research works on Coconut shell, Coconut husk and using Coconut coir yield fibres in construction industry were explained.

Around 55 students and 18 staffs participated and clarified the doubts with the expert after the completion of the session.

Google meet id : https://meet.google.com/zey-ybrt-gat

Google meet record link:

https://drive.google.com/file/d/1cYJe4pOtOHaGgWsWLmk A9qV6aa6EB2/view?usp=sharing

Event Coordinator



B.W - MAR ONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

Head of the department



# Two Days workshop On "Advancements in special concrete"

# 08.04.2022 to 09.04.2022

#### Sl. No. Details Approval Letter 1 Brochure 2 **Intimation Mail** 3 Speaker Profile (s) 4 5 List of Participants Attendance 6 7 Photographs Feedback from the Participants 8 **Event Report** 9

### Index

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# RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF CIVIL ENGINEERING

#### Submitted to the principal

#### 01.04.2022

It is proposed to conduct 2days workshop on "Advancements in special concrete" for the civil engineering students from 8.04.2022 to 9.04.2022.

The topics to be discussed in the workshop will be helpful for the students to understand the current trends in concrete industries and construction fields.

The learning from the workshop will be helpful for the students in their core subject better understanding and future jobs in construction field.

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#### WORKSHOP BROCHURE



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## **Speakers Profile**

#### Dr.S.Geetha, Designation: Professor, Department of Civil Engineering, REC

#### Research Publications

Dr.S.Geetha, Professor has been selected as Reviewer for the following Journals:

- Composites Part B Elsevier Publication
- Journal of Materials in Civil Engineering ASCE
- Journal of Institution of Engineers Series Springer Publication.

B.E., - Civil Engineering - completed in 1998 with 1<sup>st</sup> class with Distinction.. M.E., - Structural Engineering (First class)-completed in 2000 in SRM EngineeringCollege,

PhD from IIT MadrasChennai in 2011, in Building Technology titledPelletization and Hardening

Processes on the Properties of Aggregates using Coal Bottom Ash passed in 2011 with A grade.

Teaching Experience - 16 years

#### Faculty Sabbatical

Dr. S. Geetha/Professor has joined women PDF on Sabbatical at IIT Madras with mentor Dr. K.

Ramamurthy, Prof.& Head, Department of Civil Engineering, IIT Madras from 10th July 2019.

#### Funded Research Projects carried out so far:

- 1. Research proposal submitted by Dr. S. Geetha and Dr. M. Selvakumar to DST-WTI on "Efficient Urban Storm Water Management System Using Pervious Concrete and Asphalt Pavements" for a budget of Rs. 40,24,350/-
- 2. Dr. S. Geetha has submitted a research proposal to DST-FIST on "High Performance concrete with Nano mineral admixtures" for a budget of Rs. 40,24,350/-
- 3. Research proposal submitted by Dr. S. Geetha and Dr. M. Selvakumar to DST-CRG on " High Strength Ductile Concrete Composite for Earthquake Resistant Structures" for a budget of Rs. 39,42,371/-

#### Funded Research Proposal sanctioned in 2020:

 Funded Project sanctioned in 2020 'Grinding waste from automobile Industry as sustainable construction material' DST – WMT, Technology Development & transfer division, Rs.41,85,371 / -

Funded research projects applied in 2019-20 :4

#### Patent:

A patent has been filed on a product that can be used as building material obtained by using automobile grinding waste with appropriate admixtures. The following are the details:

Patent application No. 201841035792, Date of entry 24<sup>th</sup> September 2018 "Grinding Waste from Automobile Industry as a Potential Construction Material" Innovators: Dr.S.Geetha&Dr.M.Selvakumar



2 vortin

#### Consultancy carried out so far: 5 lakhs

- 1. Carried out a consultancy work for ALL INDIA RADIO, Avadi for Verticality Check of radio transmission towers-to check the effect of cyclone.
- 2. Material Testing for PWD
- 3. Water testing and Material testing for Krishna water Project

Dr.M.Selvakumar, Designation: Professor & Dean, Department of Civil Engineering, REC

B.E., - Civil Engineering - completed in 1994, M.E., - Environmental Engineering (First class with distinction)-completed in 1996 in Annamalai University

**PhD from Anna University Chennai in 2010-** thesis titled "Atmospheric Dispersion Modelling System of Vehicular Emission for Coimbatore City"

Teaching Experience - 21 years

No. of Publication in reputed International Journals – 18

No. of Publication in International conferences - 21

Papers presented in international conferences abroad - 2

#### Funded Research Projects carried out so far:

- 5. Completed a Research Project "Development of Fiber Reinforced Aerated Concretes with Epoxy Coating for Structural Panel Applications" sponsored by DRDO, Kanpur (DMSRDE). The cost of the project is Rs.9.43 Lakhs.
- 6. Completed a Research Project "Corrosion resistant concrete", DRDO, 20 LAKHS

#### Funded Research Proposal sanctioned in 2020:

 Funded Project sanctioned in 2020 'Grinding waste from automobile Industry as sustainable construction material' DST – WMT, Technology Development & transfer division, Rs.41,85,371 / -

Funded research projects applied in 2019-20 :4

#### Patent:

A patent has been filed on a product that can be used as building material obtained by using automobile grinding waste with appropriate admixtures. The following are the details:

Patent application No. 201841035792, Date of entry 24<sup>th</sup> September 2018 "Grinding Waste from Automobile Industry as a Potential Construction Material" Innovators: Dr.S.Geetha&Dr.M.Selvakumar

Board of studies member in Anna University, Chennai for affiliated colleges

#### Consultancy carried out so far: 5 lakhs

- 4. Carried out a consultancy work for ALL INDIA RADIO, Avadi for Verticality Check of radio transmission towers-to check the effect of cyclone.
- 5. Material Testing for PWD

Water testing and Material testing for Krishna, water Project

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J.N.M





# RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF CIVIL ENGINEERING

## FEEDBACK ANALYSIS

# TWO DAYS WORKSHOP ON "ADVANCEMENTS IN SPECIAL CONCRETE"

### 08.04.2022 TO 09.04.2022

### TOTAL STRENGTH=36

S.No.	Description	Good	Poor
1	The guest speaker communicated at an appropriate level for the course.	35	1
2	The guest speaker did a good job of relating course concepts to the real world	33	3
3	The guest speaker demonstrated a through knowledge of the subject.	35	1
4	This speaker provided information you can use to be successful in your course.	33	3
5	Response to question by students.	33	3
6	Course material of the guest lecture.	36	0

In terms of % count		
Good	Poor	
97	3	
92	8	
97	3	
92	8	
92	8	
100	0	

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	LIST OF STUDENTS PARTICIPATED in 2day workshop					
	08.04.2022	9AM TO 1PM		09.04.2022	9AM TO 1PM	
	BATCH-1			BATCH-2		
S.No.	Reg. No	Name of the Student	S.No.	Reg. No	Name of the Student	
1	190601001	Aarthi G	1	200601003	Akilan T	
2	190601002	Akash M	2	200601004	Alex Mathew	
3	190601007	DharsathRaajS M	3	200601005	Anbarasan E	
4	190601008	Dharunika Vijayakumar	4	200601011	Eniya T V	
5	190601013	Jessewin David E	5	200601013	Janahar C	
6	190601014	Joyce Anto Thomas	6	200601016	Kiruthica E	
7	190601022	Mirunalini K N	7	200601017	Kowsalya R	
8	190601023	Mogesh A H	8	200601019	Lakshmi Krishnan S	
9	190601026	Naveen Rajasekar A	9	200601021	Nivetha G	
10	190601032	RelisttinMebi R M	10	200601024	Ram Prakash S	
11	190601033	Reshmi M	11	200601026	Shaan S	
12	190601034	Rithiga J S	12	200601028	Surendhar S	
13	190601038	Santhosh Kumar M	13	200601031	ThiruveedhulaSrikar	
14	190601039	Santhosh S D	14	190601005	Chandru V	
15	190601043	Shivani S	15	190601001	Amitesh Madhav	
16	190601049	Swetha S	16	190601046	Sriram D	
17	190601055	Vignesh M J	17	190601059	Wazeer Ahmed M	
18	190601058	Vishnupriya U	18	190601025	Naveen Kumar N	

# The details of the participated student batches and the topics are given below.



J.N. Mup=

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 502 105.

### ATTENDANCE

08.0	)4.2022	9AN	I TO 1PM	
		BATCH-1		
S.No.	Reg. No	Name o	of the Student	
1	190601001	Aarthi G	(Amoth:	
2	190601002	Akash M	Arkach .	
3	190601007	DharsathRaajS M	DRaebakarj	
4	190601008	Dharunika Vijayakumar	2	Durf.
5	190601013	Jessewin David E	Jesustans	Durt.
6	190601014	Joyce Anto Thomas	Joyan Anto ano	
7	190601022	Mirunalini K N	Ankal.	210 - 22 A
8	190601023	Mogesh A H		Myship
9	190601026	Naveen Rajasekar A	A-Nov:	0 0
10	190601032	RelisttinMebi R M		M.L.D
11	190601033	Reshmi M		LUS IN
12	190601034	Rithiga J S		Barto
13	190601038	Santhosh Kumar M		artig
14	190601039	Santhosh S D		5.9.34
15	190601043	Shivani S		Shif.S
16	190601049	Swetha S	Sheph of	1
17	190601055	Vignesh M J	Mr Vignel	p
18	190601058	Vishnupriya U	U.V.S.S. proy	-
09.0	4.2022		TO 1PM	
		BATCH-2		
S.No.	Reg. No	Name c	f the Student	
1	200601003	Name c Akilan T	Akilentit	
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1 2 3	200601003 200601004 200601005	Name of Akilan T       Alex Mathew       Anbarasan E	Akilentit	-
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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.

9.5

#### 2 DAYS WORKSHOP ON " ADVANCEMENTS IN SPECIAL CONCRETE"

#### <u>08.04.2022 & 09.04.2022</u>

#### 9:00am to 1:00pm

#### Workshop coordinators:

Dr.M.Selvakumar and Dr.S.Geetha, Professors, Civil Engineering Department. **Venue:** 

#### Centre of Excellence in Sustainable Construction Materials.

The workshop on prototype development was focused on construction materials and it was conducted by centre for sponsored research and consultancy (CSRC) in the Centre of Excellence in Sustainable Construction Materials from 8.4.2022 to 9.4. 2022 for II year and III-year students of Civil Engineering Department. A batch of 18 students attended the workshop on every day. The workshop was conducted in 4 phases as follows:

- 1. A presentation on the current trends in construction materials
- 2. Demo of the equipments in Research Lab
- 3. Hands on training on Aerated concrete, foam concrete and high-performance concrete.
- 4. Introduction to other research aspects in the field of Environmental Engineering

The workshop started with introduction to the current scenario of materials that have been used in construction. The properties of various advanced materials, methodology of production and appropriate application in various civil engineering constructions was highlighted.

After the introduction on the materials, the students were taken to the Sustainable construction materials Research Laboratory and the facilities available were explained to them. The various equipments, their usage and the procedure for testing using these equipments were explained. Various testing facilities for durability testing and micro structure investigations along with the sample preparation for the microstructure studies were explained to the students. The students were introduced to different chemical and mineral admixtures apart from the conventional materials that are used for making concrete.

Then a demonstration on preparing a aerated concrete was shown to the students. The materials used for the aerated concrete were first shown and then the entire process from batching to mixing was demonstrated. The aeration process and the fresh concrete properties were shown and finally the final process of casting the concrete as per the IS code specifications was done.

Then the students were split into batches and made to work on special concrete like foam concrete and high performance concrete. The raw materials used for the special concrete and the mixing process were first explained and then the students were made to do the process. A small prototype like slab and beam was casted by the students.

After the hands on training advanced topics in environmental engineering and the materials that can be used for treating waste water and water to improve the quality was explained. The adsorbents that can be used and the treatment process were explained. Sensors for air quality monitoring and the concepts for acquiring data on air pollution were explained. Finally, some works that were taken up as consultancy projects were also explained to the students. The session was very interactive and the students enthusiastically participated in the workshop.

Event Coordinator

J.N. Mupor







# RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

Guest Lecture / Webinar on "Thermal Management of Electronics"

# Organized by

# **Department chemical Engineering**

07<sup>th</sup> April 2022, 11.00 am to 12.30 pm

### Index

SI. No.	Details
1	Brochure
2 Communication with Speakers	
3	Speaker Profile (s)
4	List of Participants
5	Attendance
6	Photographs
7	Feedback from the Participants
8	Feedback from the speakers
9	Sample Certificate (if available)
10	Event Report

J. N. Henry





RAJALAKSHMI



# WEBINAR

# 11:00 AM to 12.30 PM 07<sup>th</sup> April, 2022

on

# THERMAL MANAGEMENT OF ELECTRONIC DEVICES

# Organized by Department of Chemical Engineering

# In association with

Institution's Innovation Cell, REC Industry Institute Interaction Cell, REC Talent Enhancement Cell, REC

# Speaker:

# Dr. Muvvala Pullarao

Assistant Professor IIITDM Kurnool (Centrally Funded Technical Institute)

https://meet.google.com/wzu-jcyg-bgk



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

J.N. Menfor



Dr. Seelam Narasimha Reddy . <narasimhareddy.s@rajalakshmi.edu.in>

# Invitation request for guest lecture/Webinar-Reg. 5 messages

**Dr. Seelam Narasimha Reddy .** <narasimhareddy.s@rajalakshmi.edu.in> To: muvvala@iiitk.ac.in

Sun, Apr 3, 2022 at 10:43 AM

Respected sir,

I am Dr.S.Narasimha Reddy, Assistant Professor (SG) Chemical Engineering Department, Rajalakshmi Engineering College Chennai. It takes immense pleasure to invite you and give a talk on " thermal management of electronics " on 7th

April 2022 by 11 AM,

Please consider this mail as a humble request and kindly revert back with a positive response. It would be deeply appreciated.

Thanking you,

With Warm Regards, Dr. S. Narasimha Reddy Assistant Professor (SG) Department of Chemical Engineering Rajalakshmi Engineering College Rajalakshmi Nagar, Thandalam Chennai-602105 Mobile: +91-7995782524,+91-9866748017

**Dr. Muvvala Pullarao** <muvvala@iiitk.ac.in> To: "Dr. Seelam Narasimha Reddy ." <narasimhareddy.s@rajalakshmi.edu.in>

Sun, Apr 3, 2022 at 10:55 AM

Dear Sir,

Thank you for inviting me to deliver a Guest lecture at your Institute.

I accept your invitation to deliver the lecture. [Quoted text hidden]

Thanks and Regards: **Dr. Muvvala Pullarao,** Assistant Professor, Department of Mechanical Engineering, IIITDM Kurnool (Institute of National Importance under Ministry of Education, Govt. of India) Kurnool, A.P. - 518007.

Phone: 08518-289-119, Mobile: +91-9440651708, e-mail id: muvvala@iiitk.ac.in

**Dr. Muvvala Pullarao** <muvvala@iiitk.ac.in> To: "Dr. Seelam Narasimha Reddy ." <narasimhareddy.s@rajalakshmi.edu.in>

Dear Sir,



RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

PRINCIPAL



Mon, Apr 4, 2022 at 9:10 AM

Please find the details below and attached Photo

## Name: Dr. Muvvala Pullarao Designation: Assistant Professor Institute Name: IIITDM Kurnool (Centrally Funded Technical Institute) Title of the Talk: Thermal Management of Electronic Devices

[Quoted text hidden]



Pullarao\_2017.jpg

**Dr. Seelam Narasimha Reddy .** <narasimhareddy.s@rajalakshmi.edu.in> To: HOD CHEMICAL <hod.chem@rajalakshmi.edu.in> Mon, Apr 4, 2022 at 9:13 AM

With Warm Regards,

Dr. S. Narasimha Reddy Assistant Professor (SG) Department of Chemical Engineering Rajalakshmi Engineering College Rajalakshmi Nagar, Thandalam Chennai-602105 Mobile: +91-7995782524,+91-9866748017

[Quoted text hidden]



Pullarao\_2017.jpg

J.D. Nempor

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.



Tue, Apr 5, 2022 at 3:59 PM

**Dr. Muvvala Pullarao** <muvvala@iiitk.ac.in> To: "Dr. Seelam Narasimha Reddy ." <narasimhareddy.s@rajalakshmi.edu.in>

# Please find the attached resume

[Quoted text hidden]

Pullarao\_Resume\_05-04-2022.docx 49K

#### Dr. MUVVALA PULLARAO

Asst. Professor, Dept. of Mechanical Engineering, IIITDM Kurnool, Kurnool - 518002, Andhra Pradesh, India Phone No: 08518-289-106 Mobile No: 91-9440651708 e-mail: muvvala@iiitk.ac.in, itsmemuvvala@gmail.com



#### **EDUCATION DETAILS:**

PhD, Heat Transfer, Marks: 9/10		
IIT Madras, Chennai		
Supervisors: Prof. C. Balaji and Prof. S. P. Venkateshan		
<i>Thesis title:</i> Experimental investigations on fluid flow and heat transfer characteristics of impinging air jets with flow disturbance.		
M.Tech, Thermal Engineering, Marks: 8.52/10		
IIT Madras, Chennai		
Supervisor: Prof. S. P. Venkateshan		
<i>Thesis title</i> : Optimal distribution of multiple protruding discrete heat sources under natural convection.		
B.Tech, Mechanical Engineering, Marks: 79.16%		
JNTU College of Engineering Anantapur, Anantapur		
<i>Thesis title:</i> Energy flow in integrated steel plant and an overview of Wire Rod Mill Reheating furnace, Visakhapatnam Steel Plant.		

#### **PROFESSIONAL EXPERIENCE:** (9.5 Years)

March 2019 –	Assistant Professor,
till date	IIITDM Kurnool, Kurnool, Andhra Pradesh
June 2017 – February 2019	Associate Professor, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna District, Andhra Pradesh
March 2017 –	Post-Doctoral Fellow,
June 2017	IIT Madras, Chennai
May 2012 –	Engineer Trainee,
July 2013	BHEL, Hyderabad
May 2006 –	Application Developer,
August 2010	IBM India Pvt Ltd, Hyderabad

#### **ADMINISTRATIVE ROLES:**

~	and Chennal'	
1	Faculty In-charge, Library	21-Feb-2022 to till dat
2	Faculty In-charge, Institute Stores & Purchases	19-Aug-2020 to 21-Feb-2022
3	Internal Advisory Committee Member to monitor construction & development activities at IIITDM Kurnool	20-May-2019 to 01-March-2022
4	Head, Department of Mechanical Engineering	01-May-2019 to 18-Aug-2020
5	Faculty In-charge, Internships & Placements	01-May-2019 to 31-Aug-2019
6	Ph.D. Admission In-charge (3 Semesters)	01-May-2019 to 31-Oct-2020
7	B.Tech Admission In-charge	During 2019 Session

**RESEARCH AREAS:** Heat Transfer and Fluid Flow (Experimental and Computational), Thermal management of electronics, Solar energy, Optimization studies

#### COURSES HANDLED:

- 1. Thermal Engineering Concepts and Applications
- 2. Thermal Energy Systems
- 3. Fluid Mechanics and Hydraulics
- 4. Mechanical Design of Electronic Systems
- 5. Heat Transfer
- 6. Concepts in Engineering Design
- 7. Fluid Mechanics and Heat Transfer
- 8. Refrigeration and Air-Conditioning

#### **RESEARCH CONTRIBUTIONS:**

#### International Journals: (04)

- 1. Z. Shanti Kiran, V. Suresh Babu, K. V. L. Soma Sekhar, **Pullarao Muvvala**, M. Kameswara Reddy and Srinu Gugulothu, "Tensile and flexural characteristics of an epoxy-glass composite reinforced with Cloisite 15A nanoclay", Iranian Polymer Journal (SCI), 2021, Vol., pp.
- 2. **Pullarao Muvvala**, C. Balaji and S. P. Venkateshan, "Experimental investigation on heat transfer from square jets issuing from perforated nozzles", Heat and Mass Transfer, Springer (SCI), 2017, Vol. 53, pp. 2363-2375.
- 3. **Pullarao Muvvala**, C. Balaji and S. P. Venkateshan, "Experimental investigation on the effect of wire mesh at the nozzle exit on heat transfer from impinging square jets", Experimental Thermal and Fluid Science, Elsevier (SCI), 2017, Vol. 84, pp. 78-89.
- 4. Tapano Kumar Hotta, **Pullarao Muvvala**, S. P. Venkateshan, "Effect of surface radiation heat transfer on the optimal distribution of discrete heat sources under natural convection", Heat and Mass Transfer, Springer (SCI), 2013, Vol. 49, pp. 207–217.

#### National Journals: (03)

- K. Srinivasa Rao, K. Lakshmi Prasad, P. Tharun Sai, M. Pulla Rao, "Mat Lab Coding and Experimental Analysis of Heat Transfer Rate In Multi Air Jet Impingement", International Journal of Recent Technology and Engineering (UGC), September 2019, Vol. 8(3), pp. 1068-1077, https://www.ijrte.org/wp-content/uploads/papers/v8i3/C4243098319.pdf.
- 2. Maganti Sairam, R. Veeranjaneyulu and **Pullarao Muvvala**, "Numerical investigations of optimal distribution of discrete heat sources under natural convection", International Journal of Mechanical Engineering and Technology, (Scopus), June 2018, Vol. 9(6), 641-649, https://iaeme.com/Home/article\_id/IJMET\_09\_06\_073.
- 3. R. Veeranjaneyulu, Maganti Sairam, **Pullarao Muvvala**, "Numerical investigations of the effect of impingement plate parameters on jet impingement heat transfer from a flat plate", International Journal of Management, Technology and Engineering (UGC), July 2018, Vol. 8, 54-68, http://ijamtes.org/gallery/7.july%20ijmte%20-%20651.pdf.

#### **Conferences: (07)**

- 1. Sai Kaushik A, **Pulla Rao Muvvala**, Satya Sekhar Bhogilla, "Solar Photovoltaic/Thermal System (PVT) With Thermal Energy Storage for Air-Conditioning Applications", International Conference on Innovations in Thermo-Fluid Engineering and Sciences [ICITFES 2020], Organized by NIT Rourkela, India, 10-12 February 2020.
- 2. **Pullarao Muvvala**, C. Balaji, and S. P. Venkateshan, "Effect of orifice blockage element on the heat transfer performance of impinging jets", 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference, jointly organized by BITS Pilani, Hyderabad campus and IIT Hyderabad, 27-30 December 2017.
- 3. **Pullarao Muvvala**, M. B. Kushal, C. Balaji, and S. P. Venkateshan, "Numerical investigations on conjugate heat transfer from impinging air jets", 6th Asian Symposium on Computational Heat Transfer and Fluid Flow, Organized by IIT Madras, 10-13 December 2017.
- 4. Pullarao Muvvala, C. Balaji and S. P. Venkateshan, "Influence of Wire Mesh at Nozzle Exit on Heat Transfer from Square Jets - An Experimental Investigation", 7th BSME International Conference on Thermal Engineering, Dhaka, Bangladesh, 22-24 December 2016.



- 5. **Pullarao Muvvala**, "Conjugate heat transfer study of impinging air jets", National Symposium of Mechanical Engineering Research Scholars, Organized by NIT Warangal, 7th October 2016.
- 6. **Pullarao Muvvala**, C. Balaji, and S. P. Venkateshan, "Effect of surface roughness on the enhancement of jet impingement cooling performance", 23rd National and 1st International ISHMT-ASTFE Heat and Mass Transfer Conference, Organized by ISRO, Thiruvananthapuram, 17-20 December 2015.
- 7. **Pullarao Muvvala**, S. P. Venkateshan, and Chakravarthy Balaji, "Numerical investigation of the local heat transfer behavior to single and multiple jet impingement over an electronic component, 1st Thermal and Fluids Engineering Summer Conference, New York City, USA, 9-12 August 2015.

#### **Book Chapters: (04)**

- 1. A. Sai Kaushik, **Pulla Rao Muvvala**, Satya Sekhar Bhogilla, "Design of Solar Photovoltaic/Thermal System (PVT) With Thermal Energy Storage for Air-Conditioning Applications", Theoretical, Computational, and Experimental Solutions to Thermo-Fluid Systems, Lecture Notes in Mechanical Engineering, Springer (Scopus), 2021, pp 325-334, DOI: https://doi.org/10.1007/978-981-33-4165-4\_30.
- 2. **Pullarao Muvvala**, Chakravarthy Balaji, and S. P. Venkateshan, "Effect of orifice blockage element on the heat transfer performance of impinging jets", Proceedings of the 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTC-2017), Indian Society for Heat and Mass Transfer Digital Library, Begell House, 2017, pp 1257-1264, DOI: 10.1615/IHMTC-2017.1740.
- 3. **Pullarao Muvvala**, C. Balaji and S. P. Venkateshan, "Influence of Wire Mesh at Nozzle Exit on Heat Transfer from Square Jets - An Experimental Investigation", AIP Conference Proceedings, American Institute of Physics, (Scopus), 2017, Vol. 1851.
- 4. Pullarao Muvvala, S. P. Venkateshan, and Chakravarthy Balaji, "Numerical investigation of the local heat transfer behaviour to single and multiple jet impingement over an electronic component", First Thermal and Fluids Engineering Summer Conference, American Society of Thermal and Fluids Engineers Digital Library, Begell House, 2015, pp 1407-1419, DOI: 10.1615/TFESC1.hte.012687.

#### **RESEARCH GUIDANCE:**

#### PhD:

1	Dara Rambabu	Studies on Solar Air Heaters	On- going
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#### **B.Tech:**

	A 1 1 1 77		0001
7	Ashwani Kumar	Bluetooth Controlled Pick and Place Robotic Arm Vehicle	2021
	(117ME0014)		
6	Sreeram Krishnamurthy	3D printing of boat hull and its components and	2021
	Achyuth (117ME0008),	analysis of propeller in ANSYS	
	Sunil Kumar Gautham		
	(117ME0023)		
5	Pragada Sai Surya	Study on rhombus shaped solar air heater using ANSYS	2021
	(117ME0009)		
4	Jalli Ram Gopal	Dampening of oscillations to downstream the cracks in	2021
	(117ME0013)	bogies	
3	Mukesh Chander	Design and Optimization of Wind Turbine Blades	2021
	Vallinayagam		
	(117ME0001)		
2	A Sai Kaushik	Solar Driven Liquid Desiccant Dehumidification System	2020
	(116ME0001)	with Thermal Energy Storage	
1	Ravuri Rajkumar	Experimental study on electric discharge machining of	2018
	K Purna Chandra Rao	Al 6061/Al <sub>2</sub> O <sub>3</sub> surface composite via friction stir	
	Y Eswar Sai	processing (Lakireddy Bali Reddy College of Engineering)	
	S Swapnika		



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

J.N. Henry

M.Tech:

2	R. Veeranjaneyulu	Numerical investigations of the effect of impingement plate			
		parameters on jet impingement heat transfer from a flat			
		plate (Lakireddy Bali Reddy College of Engineering)			
1	Maganti Sairam	Numerical investigations of optimal distribution of discrete			
		heat sources under natural convection (Lakireddy Bali			
		Reddy College of Engineering)			

#### **OUTREACH ACTIVITIES:**

#### FDP/STTP Attended:

S.No	Program Title	Organized by	Duration
4	Two Weeks Online Faculty Development Programme (FDP) on Emerging Optimization Techniques for Engineering Applications	IIITDM Kurnool (E&ICT Academy, NIT Warangal)	19 <sup>th</sup> to 30 <sup>th</sup> April 2021
3	Computational Fluid Dynamics for Scientists and Engineers	IIT Indore	28 <sup>th</sup> to 30 <sup>th</sup> December 2020
2	Two day Virtual Workshop on Develop, Deliver and Assess Online Courses with MOODLE Learning Management System	Virtual Learning Academy, IIITDM Kurnool & IIIT Tiruchirapalli	02 <sup>nd</sup> to 03 <sup>rd</sup> May 2020
1	One Week Faculty Development Program on Outcome Based Education	IIITDM Kurnool (E&ICT Academy, NIT Warangal)	6 <sup>th</sup> to 11 <sup>th</sup> May 2019

#### FDP/STTP Organized:

S.No	Program Title	Organized by	Duration		
3	GeM Learning Management System for Sellers	In Association with Government e-Marketplace	24 <sup>th</sup> to 25 <sup>th</sup> February 2021		
2	GeM Learning Management System for Buyers	<b>^</b>	22 <sup>th</sup> to 23 <sup>th</sup> February 2021		
1	Fifth Workshop on online teaching: Moodle		18 <sup>th</sup> to 19 <sup>th</sup> June 2020		

#### **Guest Lectures Delivered:**

S.No	Title of the Topic delivered	Program Title	Organized by	Duration
4	Thermal Management of Electronics using Impinging Jets	One week online Faculty Development Program on Emerging trends in thermal and renewable energy systems	Lakireddy Balireddy College of Engineering, Mylavaram	02-July- 2021
3	Genetic Algorithms (GA)	Two Weeks Online Faculty Development Programme (FDP) on Emerging Optimization Techniques for Engineering Applications	IIITDM Kurnool (E&ICT Academy, NIT Warangal)	16-April- 2021
2	Impinging Jets – For Thermal Management	A Three-Day National Webinar On Thermal Management in Electronic Equipment	RGUKIIIT RK Valley	16- December- 2020
1	Impinging Jets – For Thermal Management	TEQIP (III) sponsored One Week STTP on Thermal Management: An Overview, Challenges and Solutions	S.V. NIT Surat	06- November- 2020

5. W. Hungeon



# RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS) DEPARTMENT OF CHEMICAL ENGINEERING

### Participants list for webinars/Workshops

S.No	Reg. No	Name of the Student	
1	190501001	Abishek Ayyappan	
2	190501002	Ajay Krisna S K	
3	190501003	Ajay S	
4	190501004	Ananya V	
5	190501005	Aravindhan V	
6	190501006	Aswini B	
7	190501007	Deepanjali Perumal Swamy	
8	190501008	Dhananjai S	
9	190501009	Harish A	
10	190501010	Hayshika D	
11	190501011	Hema Latha M R	
12	190501013	Jithu M	
13	190501014	Jorryn Rohit J	
14	190501015	Karthik Eshwar G	
15	190501016	Karthik Sreevatsan D	
16	190501017	Kiran S	
17	190501018	D. Lavanya	
18	190501019	Lokesh Kannan R	
19	190501020	Mohamed Rifath J	
20	190501021	Mridula K	
21	190501022	Naresh H	
22	190501023	Oviya T K K	
23	190501024	Parameshwaran G	
24	190501025	Pon Pandiyan K	
25	190501026	Preetha G	
26	190501027	Raghavi A	
27	190501028	Rajeshram M	
28	190501029	Rajkumar L	
29	190501030	Ramesh Kumar D	
30	190501031	Roshinth Selva M	
31	190501032	Saravanan M	
32	190501033	Sivabalan Vm	
33	190501034	Srimalar R	
34	190501035	Sutharshan G S	
35	190501036	Tamilvanan M	3. D. Munper
36	190501037	Thayalan M	
37	190501038	Varun Subramanian V	PRINCIPAL



Vishu Sundhari R K	190501039	38
 Viswanathan M	190501040	39
Yogith B	190501041	40
Yuvaraj S	190501042	41
Yuvasri.M	190501043	42
Pevan Kumar.B	190501501	43
Aalia Thabasum K S	200501001	44
Abishek Raj V.M	200501002	45
Anush B	200501003	46
Arunkumar I	200501004	47
Bharath Sairam M	200501005	48
Deepha Sree G M	200501006	49
Dillikrishana P	200501007	50
Dwijawanti	200501008	51
Geethanjali S	200501009	52
Gurudeep R	200501010	53
Jagan K S	200501011	54
Jeffery Joel.E	200501012	55
Kingston Vimal V	200501013	56
Lareina H	200501014	57
Maahera Parveen M	200501015	58
Mohan.R	200501016	59
Monesh R	200501017	60
Muhammad Umar.R	200501018	61
Muthukumar K	200501019	62
Narendran R	200501020	63
Neeraj Narayanan L.K	200501021	64
Pavan Kumar M	200501022	65
Pooja R	200501023	66
Priya Dharshini M	200501024	67
Sanjay R	200501025	68
Selladurai C	200501026	69
Selvendhiran S	200501027	70
Serman Vignesh Raj R	200501028	71
Snehan K	200501029	72
Udaya M	200501031	73
Varsha S	200501032	74
Vasanth M	200501032	75
Vishal G	200501033	76



# RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS)

### DEPARTMENT OF CHEMICAL ENGINEERING

#### Attendance list for webinars/Workshops

S.No	No Reg. No Name of the Stu		Signature
1	190501001	Abishek Ayyappan	Sto Ahilale.
2	190501002	Ajay Krisna S K	HAND Blow my
3	190501003	Ajay S	Alay
4	190501004	Ananya V	Allowith AL
5	190501005	Aravindhan V	- find South
6	190501006	Aswini B	Shipe the
7	190501007	Deepanjali Perumal Swamy	inabus.
8	190501008	Dhananjai S	poor purt
9	190501009	Harish A	Denmart
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15	190501016	Karthik Sreevatsan D	6 Nalter
16	190501017	Kiran S	Alasin
17	190501018	D. Lavanya	langer )
18	190501019	Lokesh Kannan R	, life 1
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20	190501021	Mridula K	month
21	190501022	Naresh H	much
22	190501023	Oviya T K K	Aur'
23	190501024	Parameshwaran G	Para
24	190501025	Pon Pandiyan K	halper
25	190501026	Preetha G	hough
26	190501027	Raghavi A	Kapen -
27	190501028	Rajeshram M	Chank
28	190501029	Rajkumar L	Service grand
29	190501030	Ramesh Kumar D	D. Ka
30	190501031	Roshinth Selva M	The find
31	190501032	Saravanan M	Norwerselph
32	190501033	Sivabalan Vm	0000
33	190501034	Srimalar R	Algo
34	190501035 *	Sutharshan G S	soe.
35	190501036	Tamilvanan M	
36	190501037	Thayalan M	Analay else
37	190501038	Varun Subramanian V	North 1



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38	190501039	Vishu Sundhari R K	Varantin		
39	190501040	Viswanathan M	elen-		
40	190501041	Yogith B	Yes et		
41	190501042	Yuvaraj S	Livador		
42	190501043	Yuvasri.M	AT 6		
43	190501501	Pevan Kumar.B	chof.		
44	200501001	Aalia Thabasum K S	adilia deservin		
45	200501002	Abishek Raj V.M	ales.		
46	200501003	Anush B	Alah		
47	200501004	Arunkumar I	AL		
48	200501005	Bharath Sairam M	Read		
49	200501006	Deepha Sree G M	Deepher		
50	200501007	Dillikrishana P	DilleRate		
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52	200501009	Geethanjali S	licethank		
53	200501010	Gurudeep R	Carrier O		
54	200501011	Jagan K S	Harren		
55	200501012	Jeffery Joel.E	The for		
56	200501013	Kingston Vimal V	3810		
57	200501014	Lareina H	Taxas		
58	200501015	Maahera Parveen M	1900		
59	200501016	Mohan.R	MARE		
60	200501017	Monesh R	Monesh		
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62	200501019	Muthukumar K	Muthens		
63	200501020	Narendran R	Acomotic		
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65	200501022	Pavan Kumar M	(fased		
66	200501023	Pooja R	Poota		
67	200501024	Priya Dharshini M	Part		
68	200501025	Sanjay R			
69	200501026	Selladurai C	Salpaduri		
70	200501027	Selvendhiran S	Solvart		
71	200501028	Serman Vignesh Raj R	fo Xho		
72	200501029	Snehan K	Sick		
73	200501031	Udaya M	100		
74	200501032	Varsha S Varsha			
75	200501033	Vasanth M	Vorenth.		
76	200501034	Vishal G	Vishe		

Coordinator J.N. M

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#### Photographs taken during the webinar:



Fig 1. Second year student attending the online program



Fig 2. Third year student attending the online program

5. D. rempon



# Thermal Management of Electronic Devices Webinar - Feed Back form

Roll no \*

190501005

Name of the student \*

Aravindhan.V

Year of study \*

3rd

Email Id \*

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aravindhan.v.2019.chem@rajalakshmi.edu.in

J. N. Henry

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### **Feedback Analysis**

### **RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS)** DEPARTMENT OF CHEMICAL ENGINEERING **Summary of Feedback Guest Lecture on "Thermal Management of Electronics"** Date: 07<sup>th</sup> April 2022 **Total Strength: 76**

Q.No	Questions	5	4	3	2	1
Q1	The speaker presented the topic clearly and concisely	65	8	3	0	0
Q2	The information presented was relevant to your needs and expectation	70	6	0	0	0
Q3	The overall rating of the presentation	68	6	2	0	0



Event Coordinator



# RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS) DEPARTMENT OF CHEMICAL ENGINEERING

#### FEEDBACK FROM THE SPEAKER

Speaker Name :		Dr. Muvvala Pullarao			
Designation :		Assistant Professor			
Institution/University/Orga	nization:	IIITDM Kurnool (Centrally Funded Technical			
Title of the Lecture	:	Thermal Management of Electronic Devices			
Date	:	11.00 AM to 12.30 PM			
Time	<b>3</b> )	07-04-2022			
Venue	3	II year Class room			
Signature of the Speaker	:	2 alla			
Comments	1	The students are very attentive in learning the concepts covered and enthusiastic in knowing current trends in the field of thermal management of electronics.			
		J. L.J. Henrycom PRINCIPAL			
		RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.			





#### **SUMMARY OF THE WEBINAR**

The Department of Chemical Engineering of Rajalakshmi Engineering College conducted a Webinar on "Thermal Management of Electronics" for the students of Talent Enhancement Cell on **07.04.2022 at 11.00 AM – 12.30 PM** through the Google Meet platform. (Meet Link: https://meet.google.com/wzu-jcyg-bgk). The primary objective of organizing this webinar is to expose the students to different domains of research in heat transfer and to share valuable insights into the role of chemical engineers and their contribution to various applications of heat transfer. Speaker then started the session with the introduction of fundamentals of heat transfer and took through a wide range of applications of heat transfer in different domains. The session started with a welcome address by myself and HOD, followed by the introduction of the speaker Dr. M. Pulla Rao by Ms. Pooja of II-year CHEM. The session ended followed by a Q&A session. II and III year students along with students of TEC from the CHEMICAL department attended the meeting and gained a wide range of knowledge on the various domains of heat transfer.

#### OUTCOME

- Learned about the different domains of research in heat transfer such as conduction, convection and radiation respectively.
- Expert has shared detailed insights on the various focus areas in the field of heat transfer and their real-time application siting.
- Students have gained knowledge on thrusting areas of research problems in the heat transfer areas where the students can opt further research in this area.
- At the end students were discussed with the speaker about the direct PhD program India and Abroad top universities in the field of heat transfer problems.

10/04/00

K. M 1 10/6/22 Head of the Department

J.N. Huyson





# **RAJALAKSHMI** ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

# Five days' Workshop on Waste to value added materials on 9th May to 13th May 2022

### Index

Sl. No.	Details			
1	Approval Letter			
2	Brochure			
3	Communication with Speakers			
4	Speaker Profile (s)			
5	Program schedule			
6	List of Participants			
7	Attendance			
8	Photographs taken during the workshop			
9	Feedback from the Participants			
10	Feedback from the speakers			
11	Sample Certificate			
12	Event Report			

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## RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF CHEMICAL ENGINEERING

03.05.2022

#### Submitted to the Principal

1

It is proposed to conduct five days' workshop on "Waste to value added materials" on 9<sup>th</sup> May to 13<sup>th</sup> May 2022. This workshop will be useful for Chemical Engineering students. Dr. S. Sivamani Assistant Professor (SG), Department of Chemical Engineering will be acting as coordinator for this workshop.

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.





# **RAJALAKSHMI** ENGINEERING COLLEGE

An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai



# **Five Days Workshop**

on

Waste to value added materials

**Organized by** 

### **Department of Chemical Engineering**

### In association with

### Institutions' Innovation Council

9<sup>th</sup> - 13<sup>th</sup> May 2022

Google meet link:

ittps://meet.google.com/csa-eusy-waw

Speakers



Dr. NOEL JACOB KALEEKKAL Assistant Professor, Department of Chemical Engineering National Institute of Technology Calicut (NITC).



### Dr. P. SENTHIL KUMAR

M.E., Ph.D., Head, Centre of Excellence in Water Research (CEWAR), Professor, Department of Chemical Engineering, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam - 603 110



Dr. SATHYA R Scientist, Leather Process Technology Department, CSIR-Central Leather Research Institute, Chennai-20,



Dr. DURAISAMI DHAMODHARAN Postdoctoral Research Fellow, Department of Chemical and Biomolecular Engg. Chonnam National University, South Korea.



Dr. B. VIVEKANANDAN Associate Professor & HOD I/c. Department of Chemical Engineering, Hindustan Institute of Technology and Science (HITS), Chennal. RAJALAKSHMI ENGINEERING COLLEGE An AlTONYOGUS Institution Affikted to AMBU getterStyrt, Chennal

Sivamani S <sivamani.s@rajalakshmi.edu.in>

#### Inquiry to give a talk an online Workshop - Regs 3 messages

Sivamani S <sivamani.s@rajalakshmi.edu.in> To: "noel@nitc.ac.in" <noel@nitc.ac.in>

Dear Sir,

I am Dr. S. Sivamani, Assistant Professor (SG), in Chemical Engineering Department, Rajalakshmi Engineering College, We are going to conduct an online program entitled on "Waste to value added materials "which will be scheduled on May 9-13. I welcome you to give a talk on this program if your time allows you and interested. We are always eager to learn from experts like you. We are fortunate if we get a chance to attend your lecture in this program. Kindly let me know your willingness to share your knowledge with our students. If you agree our invitation please let us know your talk title and available date.

Thank you

Regards

Dr. S. Sivamani Assistant Professor Rajalakshmi Engineering College (Autonomous), Thandalam. Chennai -602 105.

**Dr Noel Jacob K** <noel@nitc.ac.in> To: Sivamani S <sivamani.s@rajalakshmi.edu.in>

Sat, Apr 30, 2022 at 6:42 PM

Fri, Apr 29, 2022 at 4:35 PM

Dear Dr. S. Sivamani Thank you for your invitation. I'm happy to give a talk on 'Membrane Technology for Desalination and Water Recovery' as a part of the program you are conducting. 11th May 10:00 a.m. is fine with me.

Also I am attaching my CV for your reference.

Warm regards Noel

> Noel Jacob Kaleekkal (Ph.D.) Assistant Professor Department of Chemical Engineering National Institute of Technology Calicut (NITC) India Phone number: 0495-228 5463 Home Page Research Group Website

3. D. Hempon




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Noel Jacob Kaleekkal CV 30.04.2022.pdf

Sivamani S <sivamani.s@rajalakshmi.edu.in> To: Dr Noel Jacob K <noel@nitc.ac.in> Sat, May 7, 2022 at 3:42 PM

#### Dear Sir,

As you accepted our request we have scheduled your talk on "Membrane Technology for Desalination and Water Recovery" on 09-05-2022 at 10.0 AM. Kindly use the below link to join the webinar.

To join the video meeting, click this link: https://meet.google.com/csa-eusu-waw

Otherwise, to join by phone, dial +1 346-702-3482 and enter this PIN: 315 515 029#

#### **Thanking You**

[Quoted text hidden]

With Best Regards,

**Dr. Sivamani S, M.Tech, M.B.A, Ph.D, DIS, PGDPMIR, PGDHRM.** Assistant Professor (SG) Department of Chemical Engineering Rajalakshmi Engineering College (Autonomous) Thandalam, Chennai - 602 105 Mobile:+91 9789154477

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J. W. Hunger





Sivamani S <sivamani.s@rajalakshmi.edu.in>

# Inquiry to give a talk on Workshop - Regs

2 messages

Sivamani S <sivamani.s@rajalakshmi.edu.in> To: senthilkumarp@ssn.edu.in Wed, May 4, 2022 at 3:57 PM

Dear Prof. P. Senthil Kumar,

I am Dr. S. Sivamani, Assistant Professor (SG), in Chemical Engineering Department, Rajalakshmi Engineering College. We are going to conduct an online program entitled "Waste to value added materials" which will be scheduled on May 9-13. I welcome you to give a talk on this program if your time allows you and interested. We are always eager to learn from experts like you. We are fortunate if we get a chance to attend your lecture in this program. Kindly let me know your willingness to share your knowledge with our students. If you agree to our invitation please let us know your talk of title and available date.

Thank you

#### With Best Regards,

**Dr. Sivamani S, M.Tech, M.B.A, Ph.D.** Assistant Professor (SG) Department of Chemical Engineering Rajalakshmi Engineering College (Autonomous) Thandalam, Chennai - 602 105 Mobile:+91 9789154477

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Sivamani S <sivamani.s@rajalakshmi.edu.in> To: senthilkumarp@ssn.edu.in

Sat, May 7, 2022 at 3:44 PM

#### Dear Sir,

As you accepted our request we have scheduled your talk on "Research Skills for Undergraduate Students" on 10-05-2022 at 10.0 AM. Kindly use the below link to join the webinar.

To join the video meeting, click this link: https://meet.google.com/csa-eusu-waw

Otherwise, to join by phone, dial +1 346-702-3482 and enter this PIN: 315 515 029#

#### **Thanking You**

[Quoted text hidden] With Best Regards,

#### **Dr. Sivamani S, M.Tech, M.B.A, Ph.D, DIS, PGDPMIR, PGDHRM.** Assistant Professor (SG) Department of Chemical Engineering Rajalakshmi Engineering College (Autonomous) Thandalam, Chennai - 602 105 Mobile:+91 9789154477

[Quoted text hidden]

J. D. Munper





# 4 May 2022

Good evening sir, is there any possibility to deliver a talk sir. I can understand the tight schedule so if possible please let me know. Thank you sir. 3:51 pm 4/

Yes I will do it on the importance of research to UG students

3:52 pm

Thank you sir. 3:52 pm 4/

Could u please send me an official email.

3:53 pm

You can make any dates from May 9,10 &13th sir. 3:53 r

3:53 pm 🗸

# **Dr Senthil Kumar SSN**

Could u please send me an official email.

# Sure sir I do

3:53 pm 🗸

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Ok Dr. I will check n confirm u the date. Thanks 4:17 pm

J.D.Me



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Sivamani S <sivamani.s@rajalakshmi.edu.in>

## Inquiry to give a talk an online Workshop - Regs

4 messages

Sivamani S <sivamani.s@rajalakshmi.edu.in> To: rsathya@clri.res.in

Wed, May 4, 2022 at 1:46 PM

Dear Dr. Sathya,

I am Dr. S. Sivamani, Assistant Professor (SG), in Chemical Engineering Department, Rajalakshmi Engineering College. We are going to conduct an online program entitled "Waste to value added materials" which will be scheduled on May 9-13. I welcome you to give a talk on this program if your time allows you and interested. We are always eager to learn from experts like you. We are fortunate if we get a chance to attend your lecture in this program. Kindly let me know your willingness to share your knowledge with our students. If you agree to our invitation please let us know your talk title and available date. Also, send me your CV/profile registration purpose.

Thank you

With Best Regards,

**Dr. Sivamani S, M.Tech, M.B.A, Ph.D.** Assistant Professor (SG) Department of Chemical Engineering Rajalakshmi Engineering College (Autonomous) Thandalam, Chennai - 602 105 Mobile:+91 9789154477

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Sathya Ramalingam <rsathya@clri.res.in> To: sivamani s <sivamani.s@rajalakshmi.edu.in> Thu, May 5, 2022 at 4:09 AM

Dear Dr Sivamani Its pleasure for me to associated with you for the webinar, will send you the title and CV shortly. you can fix any time for my presentation.

Regards Sathya R

From: "sivamani s" <sivamani.s@rajalakshmi.edu.in> To: "Sathya Ramalingam" <rsathya@clri.res.in> Sent: Wednesday, May 4, 2022 1:46:15 PM Subject: Inquiry to give a talk an online Webinar - Regs [Quoted text hidden]

SCIENTIST

LEATHER PROCESS TECHNOLOGY DEPARTMENT CSIR-CENTRAL LEATHER RESEARCH INSTITUTE CHENNAI-20

Sivamani S <sivamani.s@rajalakshmi.edu.in> To: Sathya Ramalingam <rsathya@clri.res.in>



Thu, May 5, 2022 at 8:50 AM

Dear Madam,

Thank you for accepting our invitation and come forward to give a talk to our students. Please send me your CV and topic as soon as possible.

Thank you. [Quoted text hidden]

**Sivamani S** <sivamani.s@rajalakshmi.edu.in> To: Sathya Ramalingam <rsathya@clri.res.in> Sat, May 7, 2022 at 3:40 PM

#### Dear Mam,

As you accepted our request we have scheduled your talk on "Development of multifunctional chemical from industrial waste" on 11-05-2022 at 10.0 AM. Kindly use the below link to join the webinar.

To join the video meeting, click this link: https://meet.google.com/csa-eusu-waw

Otherwise, to join by phone, dial +1 346-702-3482 and enter this PIN: 315 515 029#

#### Thanking You

[Quoted text hidden] With Best Regards,

Dr. Sivamani S, M.Tech, M.B.A, Ph.D, DIS, PGDPMIR, PGDHRM. Assistant Professor (SG) Department of Chemical Engineering Rajalakshmi Engineering College (Autonomous) Thandalam, Chennai - 602 105 Mobile:+91 9789154477 [Quoted text hidden]

J.D. Hung



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Sivamani S <sivamani.s@rajalakshmi.edu.in>

#### Inquiry to give a talk an online Workshop - Regs 3 messages

o messages

Sivamani S <sivamani.s@rajalakshmi.edu.in> To: ddpulsur@gmail.com

Dear Sir,

I am Dr. S. Sivamani, Assistant Professor (SG), in Chemical Engineering Department, Rajalakshmi Engineering College. We are going to conduct an online program entitled on "Waste to value added materials" which will be scheduled on May 9-13. I welcome you to give a talk on this program if your time allows you and interested. We are always eager to learn from experts like you. We are fortunate if we get a chance to attend your lecture in this program. Kindly let me know your willingness to share your knowledge with our students. If you agree our invitation please let us know your talk title and available date.

Thank you

Regards

Dr. S. Sivamani Assistant Professor Rajalakshmi Engineering College (Autonomous), Thandalam. Chennai -602 105.

**Dhamodharan Duraisami** <ddpulsur@gmail.com> To: Sivamani S <sivamani.s@rajalakshmi.edu.in> Mon, May 2, 2022 at 8:01 AM

Fri, Apr 29, 2022 at 4:38 PM

Dear Sivamani,

Greetings of the day. Thank you for your email. I am ok with the 12th of this month (12-05-2022).

I would like to deliver a talk about the "Graphene Oxide-based polymer nanocomposites".

Please make sure about my time also while scheduling the event.

J.W. Heenpean

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Chenn

Thank you

## Warm Regards, Dr. Duraisami Dhamodharan,

Postdoctoral Research Fellow, Department of Chemical and Biomolecular Eng, Chonnam National University (Yeosu Campus), South Korea-59626.

[Quoted text hidden]

Sivamani S <sivamani.s@rajalakshmi.edu.in> To: Dhamodharan Duraisami <ddpulsur@gmail.com> PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

Sat, May 7, 2022 at 3:46 PM

#### Dear Sir,

As you accepted our request we have scheduled your talk on "Graphene Oxide-based polymer nanocomposites" on 12-05-2022 at 10.0 AM (IST). Kindly use the below link to join the webinar.

To join the video meeting, click this link: https://meet.google.com/csa-eusu-waw

#### Otherwise, to join by phone, dial +1 346-702-3482 and enter this PIN: 315 515 029#

**Thanking You** 

[Quoted text hidden]

With Best Regards,

**Dr. Sivamani S, M.Tech, M.B.A, Ph.D, DIS, PGDPMIR, PGDHRM.** Assistant Professor (SG) Department of Chemical Engineering Rajalakshmi Engineering College (Autonomous) Thandalam, Chennai - 602 105 Mobile:+91 9789154477

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Sivamani S <sivamani.s@rajalakshmi.edu.in>

# Inquiry to give a talk an online Workshop - Regs 5 messages

**Sivamani S** <sivamani.s@rajalakshmi.edu.in> To: chemical@hindustanuniv.ac.in

Dear Dr. Vivekanandan,

I am Dr. S. Sivamani, Assistant Professor (SG), in Chemical Engineering Department, Rajalakshmi Engineering College. We are going to conduct an online program entitled "Waste to value added materials "which will be scheduled on May 9-13. I welcome you to give a talk on this program if your time allows you and interested. We are always eager to learn from experts like you. We are fortunate if we get a chance to attend your lecture in this program. Kindly let me know your willingness to share your knowledge with our students. If you agree to our invitation please let us know your talk title and available date.

Thank you

**Dr. B. Vivekanandan Associate Professor & HOD - CHEMICAL** <chemical@hindustanuniv.ac.in> To: Sivamani S <sivamani.s@rajalakshmi.edu.in>

Dear Dr.Sivamani,

Thanks for your invitation. I will give the presentation on 13th May in the given topic.

Regards

*Dr. B. Vivekanandan* Associate Professor & HOD i/c, Department of Chemical Engineering, Hindustan Institute of Technology and Science (HITS)

A: #1,IT Expressway, Bay Range Campus, Padur, Chennai–603103 P: +91-44-2747 4262 / 395 / 385 Intercom: 147 Mobile: 7708575205 W: www.hindustanuniv.ac.in E : chemical@hindustanuniv.ac.in

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J. D. Heenpor

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE

AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

Tue, May 3, 2022 at 11:14 PM

Mon, May 2, 2022 at 8:57 PM

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"TO MAKE EVERY MAN A SUCCESS AND NO MAN A FAILURE" Follow us: hindustanuniv.ac.in | Facebook | Twitter | YouTube | HITSEEE 2022



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Sivamani S <sivamani.s@rajalakshmi.edu.in> Wed, May 4, 2022 at 8:01 AM To: "Dr. B. Vivekanandan Associate Professor & HOD - CHEMICAL" <chemical@hindustanuniv.ac.in>

#### Dear Sir,

Thank you for accepting our invitation. We would like to know which topic you will deliver the lecture. We are making schedule so please send me the topic as soon as possible. Time of lecture is @ 10 a.m.

Thank you

Regards Siva. [Quoted text hidden]



J. U. Neugeon

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENN Mago 6,125022 at 4:22 PM

**Dr. B. Vivekanandan Associate Professor & HOD - CHEMICA** <chemical@hindustanuniv.ac.in> To: Sivamani S <sivamani.s@rajalakshmi.edu.in>

Dear Sir,

PFA the photo Regards

> *Dr. B. Vivekanandan* Associate Professor & HOD i/c, Department of Chemical Engineering, Hindustan Institute of Technology and Science (HITS)

A: #1,IT Expressway, Bay Range Campus, Padur, Chennai–603103 P: +91-44-2747 4262 / 395 / 385 Intercom: 147 Mobile: 7708575205 W: www.hindustanuniv.ac.in E : chemical@hindustanuniv.ac.in

[Quoted text hidden]



Dr.B.Vivekanandan, Assoc Prof, Chemical.jpg 21K

Sivamani S <sivamani.s@rajalakshmi.edu.in> Sat, May 7, 2022 at 3:47 PM To: "Dr. B. Vivekanandan Associate Professor & HOD - CHEMICAL" <chemical@hindustanuniv.ac.in>

#### Dear Sir,

As you accepted our request we have scheduled your talk on "Opportunities for Chemical Engineers" on 13-05-2022 at 10.0 AM. Kindly use the below link to join the webinar.

To join the video meeting, click this link: https://meet.google.com/csa-eusu-waw

Otherwise, to join by phone, dial +1 346-702-3482 and enter this PIN: 315 515 029#

#### **Thanking You**

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#### With Best Regards,

**Dr. Sivamani S, M.Tech, M.B.A, Ph.D, DIS, PGDPMIR, PGDHRM.** Assistant Professor (SG) Department of Chemical Engineering Rajalakshmi Engineering College (Autonomous) Thandalam, Chennai - 602 105 Mobile:+91 9789154477

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#### **Profile of Resource Persons:**

#### Dr. Noel Jacob Kaleekkal

Dr Noel currently working as Assistant Professor, Department of Chemical Engineering in National Institute of Technology Calicut (NITC). He had completed PhD and M.Tech Chemical Engineering in Anna University Chennai and B.Tech Chemical Engineering in National Institute of Technology Karnataka. He received the Early Career Chemist Grant- Pacifichem in 2021, He have been published more than 35 peer reviewed journals and published book chapters. He has more than 8 years of experience in both research and teaching.

#### Dr. P. Senthil Kumar

Dr. P. Senthil Kumar is working as an Associate Professor in the Department of Chemical Engineering, SSN College of Engineering, Chennai, India. He received his M.E. Environmental Engineering and Ph.D. in Environmental Engineering degrees from Anna University, Chennai, India. He has a wide research experience in the fields of Water/Wastewater Analysis, Pollution Control Treatment Methods and Environmental Nanobiotechnology. He has 14 years of teaching and research experience and 1 year of industrial experience.

He holds one Indian Patent on "Shrimp Shell Waste into Biodegradable Grocery Bags", 200+ International Journal Publications, 100+ book chapters and 100+ National/International Conference Publications. He has 5865+ citations with a Google Scholar h-index of 40. He is an Associate Editor/Editorial Board Members of the several reputed Journals which include Desalination and Water Treatment (IF: 1.234), IET Nanobiotechnology (IF: 1.925), International Journal of Environmental Science and Technology (IF: 2.031), Frontiers in Environmental Science (IF: 2.749), Frontiers in Marine Science (IF: 3.661), Engineering Reports, Current Analytical Chemistry (IF: 1.242), Nanotechnology for Environmental Engineering and Recent Patents on Nanotechnology (IF: 1.75). He has been awarded the IEI Young Engineers Award 2017-2018, Hiyoshi Think of Ecology Award 2017, CTS Best Teacher Award and Many Young Scientist Awards. He is a recognized Anna University Research Supervisor to guide Ph.D./M.S. candidates. Under his guidance, 10 Ph.D Scholars have completed and 8 Ph.D. scholars are currently pursuing in the various fields of environmental and chemical engineering. He organized/attended more than 100 externally/internally funded conferences, workshops and seminars at the national and



J.D. Hunger

international level and he has also given more than 50 invited research talks in various academic / research institutions in India.

#### Dr. Sathya R

Dr. Sathya R, currently working as Scientist, Leather Process Technology Department, CSIR-Central Leather Research Institute, Chennai. She has done her postdoc IIT Madras, PhD, M.Tech and B.Tech in Leather Technology CSIR-CLRI Chennai. She has received the best poster award for her B.Tech work. She has 25 internationals journals with good impact factor and attended many conferences. She has more than 6 years of experience in both research and teaching.

#### Dr. Duraisami Dhamodharan

Dr Dhamodharan currently working as Postdoctoral Research Fellow, Department of Chemical and Biomolecular Engg, Chonnam National University, South Korea. He had completed his PhD in Fujian Institute of Research on the Structure of matters, UCAS, Fuzhou, Fujian, P R China, June 2020, Dissertation entitled on "Graphene Oxide based waterborne epoxy: A complete study of mechanical and thermal properties. Adviser Lixin Wu, M.Tech Chemical Engineering in Anna University Chennai and B.Tech Chemical Engineering in Dr.MGR Educational and Research Institute. He received several awards and best performance appreciation in various levels. He has been published more than 33 peer reviewed journals and published book chapters. He has more than 10 years of experience in both research and teaching.

#### Dr. B. Vivekanandan

Dr. B. Vivekanandan currently working as Associate Professor & HOD i/c, Department of Chemical Engineering, Hindustan Institute of Technology and Science (HITS), Chennai. He has completed his PhD in National Institute of Technology, Warangal, and M.Tech Chemical Engineering in Annamalai University and B.Tech Chemical Engineering in Shanmugha College of Engineering (SASTRA University). He had visited Belgium Ghent University for research wor., He has published more than 10 peer reviewed journals and published book chapters. He has more than 15 years of experience in both research and teaching.



## RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF CHEMICAL ENGINEERING Five Days Workshop

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Waste to value added materials

S. No	Date	Time	Торіс	Resource Person
1	09-05-2022	10 - 12 P.M.	Membrane Technology for Desalination and Water Recovery	Dr. Noel Jacob Kaleekkal, Assistant Professor Department of Chemical Engineering National Institute of Technology Calicut (NITC).
2	10-05-2022	10 - 12 P.M.	Research Skills for Undergraduate Students	Dr. P. Senthil Kumar, M.E., Ph.D., Head, Centre of Excellence in Water Research (CEWAR), Professor, Department of Chemical Engineering, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam - 603 110.
3	11-05-2022	10 - 12 P.M.	Development of multifunctional chemical from industrial waste	Dr. Sathya R Scientist, Leather Process Technology Department, CSIR-Central Leather Research Institute, Chennai-20
4	12-05-2022	10 - 12 P.M.	Graphene Oxide-based polymer nanocomposites	Dr. Duraisami Dhamodharan, Postdoctoral Research Fellow, Department of Chemical and Biomolecular Engg, Chonnam National University, South Korea.
5	13-05-2022	10 - 12 P.M.	Opportunities for Chemical Engineers	Dr. B. Vivekanandan Associate Professor & HOD i/c, Department of Chemical Engineering, Hindustan Institute of Technology and Science (HITS), Chennai.

J. U. Henger



## RAJALAKSHMI ENGINEERING COLLEGE(AUTONOMOUS) B.TECH CHEMICAL ENGINEERING FIVE DAYS WORKSHOP ON WASTE TO VALUE ADDED MATERIALS LIST OF PARTICIPANTS III Year

S.No	Reg. No	Name of the Student
1	190501001	ABISHEK AYYAPPAN
2	190501002	AJAY KRISNA S K
3	190501003	AJAY S
4	190501004	ANANYA V
5	190501005	ARAVINDHAN V
6	190501006	ASWINI B
7	190501007	DEEPANJALI P
8	190501008	DHANANJAI S
9	190501009	HARISH A
10	190501010	HAYSHIKA D
11	190501011	HEMA LATHA M R
12	190501013	JITHU M
13	190501014	JORRYN ROHIT J
14	190501015	KARTHIK ESHWAR G
15	190501016	KARTHIK SREEVATSAN D
16	190501017	KIRAN S
17	190501018	LAVANYA D
18	190501019	LOKESH KANNAN R
19	190501020	MOHAMED RIFATH J
20	190501021	MRIDULA K



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21	190501022	NARESH H	
22	190501023	ΟΥΙΥΑ Τ Κ Κ	
23	190501024	PARAMESHWARAN G	
24	190501025	PON PANDIYAN K	
25	190501026	PREETHA G	
26	190501027	RAGHAVI A	
27	190501028	RAJESHRAM M	
28	190501029	RAJKUMAR L	
29	190501030	RAMESH KUMAR D	
30	190501031	ROSHINTH SELVA M	
31	190501032	SARAVANAN M	
32	190501033	SIVABALAN VM	
33	190501034	SRIMALAR R	
34	190501035	SUTHARSHAN G S	
35	190501036	TAMILVANAN M	
36	190501037	THAYALAN M	
37	190501038	VARUN SUBRAMANIAN V	
38	190501039	VISHU SUNDHARI R K	
39	190501040	VISWANATHAN M	
40	190501041	YOGITH B	
41	190501042	YUVARAJ S	
42	190501043	YUVASRI.M	
43	190501501	PEVAN KUMAR.B	

J. W. Hunger



## LIST OF PARTICIPANTS II Year

1	200501001	AALIA THABASUM K S
2	200501002	ABISHEK RAJ V.M
3	200501003	ANUSH B
4	200501004	ARUNKUMAR I
5	200501005	BHARATH SAIRAM M
6	200501006	DEEPHA SREE G M
7	200501007	DILLIKRISHANA P
8	200501008	DWIJAWANTI
9	200501009	GEETHANJALI S
10	200501010	GURUDEEP R
11	200501011	JAGAN K S
12	200501012	JEFFERY JOEL.E
13	200501013	KINGSTON VIMAL V
14	200501014	LAREINA H
15	200501015	MAAHERA PARVEEN M
16	200501016	MOHAN.R
17	200501017	MONESH R
18	200501018	MUHAMMAD UMAR.R
19	200501019	MUTHUKUMAR K
20	200501020	NARENDRAN R
21	200501021	NEERAJ NARAYANAN L.K
22	200501022	PAVAN KUMAR M
23	200501023	POOJA R
24	200501024	PRIYA DHARSHINI M



25	200501025	SANJAY R
26	200501026	SELLADURAI C
27	200501027	SELVENDHIRAN S
28	200501028	SERMAN VIGNESH RAJ R
29	200501029	SNEHAN K
30	200501031	UDAYA M
31	200501032	VARSHA S
32	200501033	VASANTH M
33	200501034	VISHAL G

J. W. Hungeron



## RAJALAKSHMI ENGINEERING COLLEGE(AUTONOMOUS) B.TECH CHEMICAL ENGINEERING FIVE DAYS WORKSHOP ON WASTE TO VALUE ADDED MATERIALS LIST OF PARTICIPANTS III YEAR

S.No Reg. No		Name of the Student	Sign
1	190501001	ABISHEK AYYAPPAN	Or
2	190501002	AJAY KRISNA S K	TX X
3	190501003	AJAY S	Alay
4	190501004	ANANYA V	Ananya.V
5	190501005	ARAVINDHAN V	And
6	190501006	ASWINI B	Asmini
7	190501007	DEEPANJALI P	P.D.G.
8	190501008	DHANANJAI S	TRANUM
9	190501009	HARISH A	AFR
10	190501010	HAYSHIKA D	harslip.D
11	190501011	HEMA LATHA M R	Hent Mr.
12	190501013	JITHU M	10
13	190501014	JORRYN ROHIT J	JangRahert
14	190501015	KARTHIK ESHWAR G	Knother
15	190501016	KARTHIK SREEVATSAN D	Karthesreater
16	190501017	KIRAN S	River
17	190501018	LAVANYA D	there.
18	190501019	LOKESH KANNAN R	Haberty power it
19	190501020	MOHAMED RIFATH J	distant
20	190501021.	MRIDULA K	Midula K

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

J. D. Humpson

21	190501022	NARESH H	2.0000.
22	190501023	Ονιγά τ κ κ	Duive P.KK.
23	190501024	PARAMESHWARAN G	hute
24	190501025	PON PANDIYAN K	PAL
25	190501026	PREETHA G	Dreatha
26	190501027	RAGHAVI A	Zaghavi
27	190501028	RAJESHRAM M	Rojah Ram. M
28	190501029	RAJKUMAR L	Rajkual
29	190501030	RAMESH KUMAR D	Rutury
30	190501031	ROSHINTH SELVA M	Rohisthide
31	190501032	SARAVANAN M	ye
32	190501033	SIVABALAN VM	Sjudnelar
33	190501034	SRIMALAR R	Linalor
34	190501035	SUTHARSHAN G S	tabashage.
35	190501036	TAMILVANAN M	Tamto
36	190501037	THAYALAN M	Thay alon
37	190501038	VARUN SUBRAMANIAN V	Var
38	190501039	VISHU SUNDHARI R K	udes
39	190501040	VISWANATHAN M	Out
40	190501041	YOGITH B	B. togino
41	190501042	YUVARAJ S	5.71
42	190501043	YUVASRI.M	Vuvasri
43	190501501	PEVAN KUMAR.B	auxant

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1	200501001		DataAbana
		AALIA THABASUM K S	Agra Upt
2	200501002	ABISHEK RAJ V.M	AF
3	200501003	ANUSH B	R. A.
4	200501004	ARUNKUMAR I	T Asurt
5	200501005	BHARATH SAIRAM M	M.Bhalles
6	200501006	DEEPHA SREE G M	Dopa GM
7	200501007	DILLIKRISHANA P	0.000
8	200501008	DWIJAWANTI	Duijon
9	200501009	GEETHANJALI S	egneligah
10	200501010	GURUDEEP R	July -
11	200501011	JAGAN K S	KSS
12	200501012	JEFFERY JOEL.E	041
13	200501013	KINGSTON VIMAL V	Kingh V
14	200501014	LAREINA H	A. loin
15	200501015	MAAHERA PARVEEN M	asp
16	200501016	MOHAN.R	R. Mohn
17	200501017	MONESH R	R. Monechy
18	200501018	MUHAMMAD UMAR.R	Part.
19	200501019	MUTHUKUMAR K	p. millipe
20	200501020	NARENDRAN R	P.Na.
21	200501021	NEERAJ NARAYANAN L.K	Lik Munghing
22	200501022	PAVAN KUMAR M	MP
23	200501023	POOJA R	D. Poplie
24	200501024	PRIYA DHARSHINI M	M.P.IDU
25	200501025	SANJAY R	A came
			4

## LIST OF PARTICIPANTS II YEAR



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

J. N. Henger

26	200501026	SELLADURAI C	alledt
27	200501027	SELVENDHIRAN S	ddet.
28	200501028	SERMAN VIGNESH RAJ R	Samo
29	200501029	SNEHAN K	JK. Grehan
30	200501031	UDAYA M	N.U.
31	200501032	VARSHA S	RASTU
32	200501033	VASANTH M	Lev
33	200501034	VISHAL G	1. Jale

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL 602 105.

J. L. Yunger

# Photographs taken during the workshop



Fig 1. Dr. Noel Jacob Kaleekkal delivering a lecture on membrane technology



Fig 2. Dr. P. Senthil Kumar from SSN delivering an online lecture



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

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Fig 3. Dr. Sathya R from CLRI Chennai delivering an online lecture



Fig 4. Dr. Dhamodharan D from South Korea delivering an online lecture



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

J.N. Peer



Fig 5. Dr. Vivekanandhan B HOD from Hindustan University delivering an online lecture

J.L. Hen ~



# Feedback Form - 5 days Workshop-Waste to value added materials

Thank you for participating in the WORKSHOP on "Waste to value added materials" - Rajalakshmi Engineering College, Chemical Engineering Department, Thandalam, Chennai on 09-05-2022 To 13-05-2022. We hope you had an interesting session in this series.

We want to hear your feedback so that we can keep improve and apply in our next program. Please fill this quick survey and let us know your thoughts.

Email \*

lokeshkannan0510@gmail.com

Full Name with salutation (Mr/Ms/Dr) \*

Mr R LOKESH KANNAN

Year/Designation \*

3rd/STUDENT

Department/Name of Organization \*

CHEMICAL/RAJALAKSHMI ENGINEERING COLLEGE

Mobile Number \*

9094269590



S.N. mut

How satisfied were you with	the event? *		
Not very			
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5 🔘			
Very Much	2 a		
	141		2
How relevant and helpful do Not very 1	you think it was for your course?	*	
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5 💿 . Very much	đ.		
· · · · · · · · · · · · · · · · · · ·			
What were your key take awa	ays from this event? *		



PRINCIPAL PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105.

How satisfied were you with the session conten	t? *
Poor	
1 ()	
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~	
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Excellent	
How would you rate the speakers knowledge *	
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Excellent	* *
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Would you like to participate in our future program	ms? *
found you into to purticipate in our future program	
Yes	
O No	
Maybe	J.N. Lemp
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institution the set	- RAJALAKSHMI:ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

×

Your overall feedback/Suggestion about this program \*

Good

This form was created inside of Rajalakshmi Engineering College.

**Google** Forms





1.10.1

Timestamp	Username	Full Name with salutation (Mr/Ms/Dr)	Year/Designation	Department/Name of Organization	Mobile Number	How satisfied were you with the event?	How relevant and helpful do you think it was for your course?	What were your key take aways from this event?	How satisfied were you with the session	How would you rate the speakers	Would you like to participate in our future programs?	Your overall feedback/Suggestion about this program
2022/05/25 2:16:13 PM GMT+5:30	lokeshkannan0510@gmail.com	Mr R LOKESH KANNAN	3rd/STUDEN T	Chemical/rajalakshmi engineering college	9094269590	5	5	Knowled ge on chemical engineeri ng basics	5	5	Yes	Good
2022/05/25 2:17:54 PM GMT+5:30	saravanan.m.2019.chem@rajal akshmi.edu.in	Mr.M.saravanan	3 chemical engineering	Chemical engineering rajalakshmi Engineering College	7358205995	4	4	Informati on	4	4	Yes	Good
2022/05/25 2:18:20 PM GMT+5:30	karthiksreevatsan.d.2019.chem @rajalakshmi.edu.in	Mr Karthik Sreevatsan D	III	Chemical Engineering/ Rajalakshmi Engineering College	9500119215	5	5	Good	5	5	Yes	Good
2022/05/25 2:19:25 PM GMT+5:30	oviya.tkk.2019.chem@rajalaks hmi.edu.in	Ms. Oviya T.K.K	3rd year/Student	Chemical engineering/ Rajalakshmi Engineering college	9894267094	5	5	Good content	5	5	Yes	Useful session
2022/05/25 2:23:02 PM GMT+5:30	viswanathan.m.2019.chem@raj alakshmi.edu.in	Mr.Viswanathan	3rd year/Student	B.Tech chemical engineering	7010013115	5	5		5	5	Yes	
2022/05/25 2:23:12 PM GMT+5:30	Pretha.g.2019.chem@rajalaks hmi.edu.in PRINCIPA AJALAKSHMI ENGINEERI AN AUTONOMOUS INS THANDALAM, CHENNAL	L NG COLLEGE TITUTION	STUDENT	B.tech chemical engineering, rajalakshmi engineering college	9962523392	5	5 .	Features and Opportuni ties for present and future in the field of Chemical Engineers	5	5	Maybe	Very well organize d.
2022/05/05/05 2:25:11 PM GMT+5:30		Mr.B.YOGITH	3rd year	CHEMICAL ENGINEERING	9361547388	5	4	Digitori	4	5	Yes	
2022/05/25 2:29:00 PM GMT+5:30	pevankumar.b.2019.chem@raja lakshmi.edu.in	Mr PEVANKUMAR B	3rd year	B.tech chemical engineering	8015697078	4	5		4	5	Yes	
2022/05/25 2:31:36 PM GMT+5:30	rameshkumar.d.2019.chem@ra jalakshmi.edu.in	Mr. D. Rameshkumar	3rd year student	B. Tech chemical engineering	8925453600	4	4	•	4	4	Yes	Good
2022/05/25 2:33:20 PM GMT+5:30	thayalan.m.2019.chem@rajalak shmi.edu.in	Mr. THAYALAN M	Third/Student	Chemical/Rajalakshmi Engineering college	9345334143	5	5	l learnt more basic informati	5	5	Yes	The program was very useful

2022/05/25								on about that related topics.			-	
AN T	200501023@rajalakshmi.edu.i n PRINCIPAL KSHMI ENGINEERING COLLEGE AUTONOMOUS INSTITUTION HANDALAM, CHENNAI - 602 105.	ADIGUTION *		Chemical engineering/ Rajalakshmi engineering college	9150955001	5	5	Gained vast knowledg e about different topics related to chemical engineeri ng	5	5	Yes	lt was very informati ve
2022/05/25 3:44:38 PM GMT+5:30 2022/05/25	srimalar.r.2019.chem@rajalaks hmi.edu.in	Ms. Srimalar R	3rd year	Chemical Engineering/ Rajalakshmi Engineering college	8754827037	4	4	Many new opportuni ties in our core field	4	5	Yes	Good
3:56:15 PM GMT+5:30	yuvasri.m.2019.chem@rajalaks hmi.edu.in	Ms Yuvasri M	Student	Chemical engineering	6380678292	5	5	Basic and advanced knowledg e	5	5	Yes	Wonderf ul session
2022/05/25 3:59:34 PM GMT+5:30	tamilvanan.m.2019.chem@raja lakshmi.edu.in	Mr M. Tamilvanan	III/student	BTech.(Chemical engineering)/ Rajalakshmi Engineering College	9361797481	4	4	How to develop the knowledg e related to industry	4	4	Yes	It was very good
2022/05/25 4:05:48 PM GMT+5:30	200501024@rajalakshmi.edu.i n	Ms M.Priyadharshini	2nd year	B Tech Chemical Engineering	9042714399	5	5	Motive session	5	5	Yes	Useful for me known about many New topics
2022/05/25 4:06:27 PM GMT+5:30	raghavi.a.2019.chem@rajalaks hmi.edu.in	Ms.A.RAGHAVI	3rd year	Chemical	9150720952	4	4	Learnt the opportuni ties for current chemical engineers	4	4	No	Very informati ve
2022/05/25 4:06:59 PM GMT+5:30	sutharshan.gs.2019.chem@rajal akshmi.edu.in	MR G.S.SUTHARSHA N	Student	Chemical	8610049201	5	5	Exposure	5	5	Yes	Good
2022/05/25 4:19:05 PM GMT+5:30	200501009@rajalakshmi.edu.i n	Ms. GEETHANJALI S	2nd Year / Student	B.TECH CHEMICAL ENGINEERING	9444012804	4	4	It is useful clearly understan d the	5	5	Yes	The overall presentat ion is good

2022/05/25	20050101000 1111 1 1 1							current opportuni ties				
4:55:29 PM GMT+5:30	200501019@rajalakshmi.edu.i	Muthukumar k	2nd	B tech chemical engineering	9500992312	3	4	Gives informati on about chemical industries	5	4	Maybe	Good
2022/05/25 6:17:47 PM GMT+5:30 2022/05/25	rajeshram.m.2019.chem@rajala kshmi.edu.in	RajeshRam.M	3rd/student	Chemical Engineering/Rajalaksh mi Engineering College	7550141807	5	5	About chemical Engineeri ng and Opportuni ties	5	5	Yes	Informati ve session
6:34:35 PM GMT+5:30	200501003@rajalakshmi.edu.i n	Mr. Anush B	2/Student	Chemical Engineering	6382949294	5	4	Understo od the various opportuni ties available for chemical engineeri ng as	5	5	Yes	The program was good and I particula rly like the speak given by Dr. Sathya R,.
2022/05/25 6:55:34 PM GMT+5:30	200501003@rajalakshmi.edu.i n <b>JALAKSHMI ENGINEERING COLI</b> AN AUTONOMOUS INSTITUTIO THANDALAM, CHENNAI - 602 105	LEGE		Chemical Engineering	6382949294	4	5	I understoo d the various opportuni ties available for chemical engineeri ng as explained by various speakers	4	5	Yes	I particula rly liked the speak given by Dr Sathya R and hope that more sessions will be conducte d
2022/05/25 7:54:59 PM GMT+5:30	gurudeep2003@gmail.com	Mr Gurudeep.r	2	Chemical engineering	9361223554	5	5	I got an good clarity about the scope if chemical engineers	5	5	Yes	Very useful program

æ.,

2022/05/27 8:55:15 AM GMT+5:30	200501015@rajalakshmi.edu.i n	Ms. Maahera Parveen.M	2nd year	B.Tech Chemical Engineering	9840068520	5	4	Good knowledg e about the field and topic	5	5	Yes	I gained new ideas and knowled ge in engineeri ng field it'II be very useful in future for me
2022/05/27 8:55:23 AM GMT+5:30	harish.a.2019.chem@rajalaksh mi.edu.in	Mr.Harish A	student	Rajalakshmi engineering college	6379489272	5	5	About the opportuni ties of chemical engineers	5	5	Yes	This is an wonderf ul program and i learned about my future plans of opportun ities of chemical engineeri ng.
2022/05/27 8:56:19 AM GMT+5:30	roshinthselva.m.2019.chem@ra jalakshmi.edu.in	Roshinth Selva M	3rd year/student	Chemical engineering/Rajalaksh mi engineering college	9150532894	4	4	An understan ding of engineeri ng principles and mathemat ics, project managem ent skills,	4	5	Yes	Very good and no suggestio ns
2022/05/27 9:00:51 AM GMT+5:30	kiran.s.2019.chem@rajalakshm i.edu.in	Mr. Kiran	Student	Chemical	8925621022	5	5	New updates on technolog	5	5	Yes	Very good

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2022/05/27 9:01:07 AM GMT+5:30	roshinthselva.m.2019.chem@ra jalakshmi.edu.in	Roshinth Selva M	Student.	Rajalakshmi engineering college.	9150532894	5	5	an understan ding of engineeri ng principles	4	5	Yes	l'm happy to attended the session.
2022/05/25								and mathemat ics.				
2022/05/27 9:01:34 AM GMT+5:30	rajkumar.1.2019.chem@rajalak shmi.edu.in	Rajkumar L	Student	Rajalakshmi engineering colloge	8825768004	5	5	About feature opportuni ties of chemical engineeri ng	5	5	Yes	Nice program we learn lost of informati on
2022/05/27 9:19:12 AM GMT+5:30	dhananajai.s.2019.chem@rajala kshmi.edu.in	Mr.S.DHANANJAI	3	Chemical	9176038966	4	5	Current skills required	4	5	Maybe	NA
2022/05/27 9:37:48 AM GMT+5:30	karthikeshwar.g.2019.chem@ra jalakshmi.edu.in	Mr G.kartikeshwar	Student	Chemical	9940088121	3	4	Job offer	4	3	Yes	Nil
2022/05/27 9:37:58 AM GMT+5:30	sivabalan.vm.2019.chem@rajal akshmi.edu.in	Mr V M SIVABALAN	Third year	Chemical Engineering	8098068046	4	4	Opportuni ty for chemical engineeri ng were told	4	5	Yes	It was nice learning experien ce
2022/05/27 9:49:33 AM GMT+5:30	ponpandiyan.k.2019.chem@raj alakshmi.edu.in	Ponpandiyan K	3rd year	Chemical	9.19E+11	4	4	Learning	4	4	Yes	Good
2022/05/27 9:51:08 AM GMT+5:30 RA	200501011@rajalakshmi.edu.i n PRINCIPAL JALAKSHMI ENGINEERING COLL AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL, 602, 195. 200501031@rajalakshmi.edu.i	Mr.JAGAN K S	s Lon + Lon	Rajalakshmi Engineering College- B.Tech, Chemical Engineering	9176907160	5	4	how to present papers and do more research	4	5	Yes	Offline programs would be more interactiv e than the online mode.
2022/05/27 9:59:02 AM GMT+5:30	20050103T@rajalakshini.edu.Po. n	M.Udaya	2nd	B.tech chemical engineering	8939074019	5	4	Nothing	4	4	Yes	Good
2022/05/27 10:06:54 AM GMT+5:30	mridula.k.2019.chem@rajalaks hmi.edu.in	Ms. Mridula.K	2022, student	Chemical engineering, rajalakshmi Engineering college	8248445210	5	5	A good idea about various fields	5	5	Yes	lt was an informati ve program

2022/05/27 10:07:14 AM	ajay.s.2019.chem@rajalakshmi .edu.in	Mr Ajay S	3rd year	Chemical engineering	7010906287	5	5	Get the knowledg e about	5	5	Yes	This program gave me
GMT+5:30	RINCIPAL PRINCIPAL ALAKSHMI ENGINEERING COLL AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.	EGE	COLLEGE * MA					career job opportuni ties				a clear ideas about works of Chemica 1 Engineer
2022/05/27 10:11:24 AM GMT+5:30	200501022@rajalakshmi.edu.i n	Mr. Pavan kumar	2nd year	B. Tech Chemical Engineering	9940638343	5	5	Opportuni ties in future	5	5.	Yes	ing. It was an awesome experien ce to know about what is chemical engg.
2022/05/27 10:15:47 AM GMT+5:30	200501025@rajalakshmi.edu.i n	Mr.sanjay	2nd	B.tech Chemical	7010524495	5	4	Many useful keys and all	5	5	Maybe	Good
2022/05/27 10:21:04 AM GMT+5:30	aswini.b.2019.chem@rajalaksh mi.edu.in	Ms Aswini	Third year	Chemical	8778011208	5	5	Learnt about many career opportuni ties	5	5	Yes	Great program, looking forward for more
2022/05/27 10:24:49 AM GMT+5:30	aravindhan.v.2019.chem@rajal akshmi.edu.in	Mr. ARAVINDHAN.V	3rd year	Chemical Engineering	9994536847	4	4	Opportuni ty to chemical engineers	4	4	Yes	Good informati ve session
2022/05/27 12:55:21 PM GMT+5:30	yuvaraj.s.2019.chem@rajalaks hmi.edu.in	Mr YUVARAJ S	2019-2023	Chemical engineering	9361588335	5	5	Na	5	5 -	Yes	5star
2022/05/27 4:13:15 PM GMT+5:30	ananya.v.2019.chem@rajalaksh mi.edu.in	Ms V. Ananya	3rd	B.Tech Chemical Engineering	7358349580	5	5	I came to know about a lot of opportuni ties.	5	5	Yes	It was very much useful,
2022/05/27 4:25:12 PM GMT+5:30	vishnusundhari.rk.2019.chem@ rajalakshmi.edu.in	Ms VISHNU SUNDHARI.RK	3rd year student	Chemical	9087102622	4	4	Opportuni ties explained	4	5	Maybe	Very informati ve
2022/05/27 4:30:31 PM GMT+5:30	sselvendhiran8@gmail.com	Mr.Selvendhiran	2nd	Chemical engineering	7558138156	5	5		5	5	Yes	Nice

## **Feedback Analysis**

## RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS) DEPARTMENT OF CHEMICAL ENGINEERING Summary of Feedback Workshop on "Waste to value added materials" Date: 9-13<sup>th</sup> May, 2022

Total Strength: 47

						/
Q.No	Questions	5	4	3	2	1
Q1	Q1 How satisfied were you with the event?				3	0
Q2			4	4	4	0
Q3 How satisfied were you with the session content?		43	4	0	0	0
Q4	How would you rate the speakers knowledge	42	5	0	0	0





Ev dinator

1 14/5/22 HoD/Chem

## RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF CHEMICAL ENGINEERING

### FEEDBACK FROM THE SPEAKER

## **DEPARTMENT: CHEMICAL ENGINEERING**

Speaker Name	Dr. Noel Jacob Kaleekkal
Designation	Assistant Professor-I
Institute/University/Organization	National Institute of Technology Calicut
Title of the Lecture	Membrane Technology for Desalination and Water Recovery
Date	09.05.2022
Time	10 AM
Venue	https://meet.google.com/csa-eusu-waw
Signature of Speaker	Hallows
Comments	It was a pleasure to conduct the talk as the participants were very interactive and had some fruitful discussions.

J. W. Henry


#### FEEDBACK FROM THE SPEAKER

#### **DEPARTMENT: CHEMICAL ENGINEERING**

Speaker Name	Dr. P. Senthil Kumar
Designation	Professor
Institute/University/Organization	Sri Sivasubramaniya Nadar College of Engineering
Title of the Lecture	Research Skills for Undergraduate Students
Date	10.05.2022
Time	10 AM
Venue	https://meet.google.com/csa-eusu-waw
Signature of Speaker	P. Gime
Comments	Interesting session arranged by Chemical Engineering Department, Rajalakshmi Engineering College. Students were very much eager to learn about research. They have shown more interested and asked query about citation and importance of quality research. I thank for the coordinators made me part of it.

5. N. Hunger



#### FEEDBACK FROM THE SPEAKER

#### **DEPARTMENT: CHEMICAL ENGINEERING**

Speaker Name	Dr. Sathya R
Designation	Scientist
Institute/University/Organization	CSIR-CENTRAL LEATHER RESEARCH
	INSTITUTE
Title of the Lecture	Development of multifunctional chemical from industrial waste
Date	11.05.2022
Time	10 AM
Venue	https://meet.google.com/csa-eusu-waw
Signature of Speaker	R. 8007.
Comments	I appreciate the Rajalakshmi engineering college staff for their effort to create awareness for young minds. And I thank Dr Shivamani for this wonderful opportunity given to me. Interaction with the students in the chemical engineering department was a worthwhile experience for me. I wish them all the very best and great success in the near future.
	DRINCIPAL



#### FEEDBACK FROM THE SPEAKER

#### **DEPARTMENT: CHEMICAL ENGINEERING**

Speaker Name	Dr. Duraisami Dhamodharan
Designation	Postdoc Researcher
Institute/University/Organization	Chonnam National University, South Korea
Title of the Lecture	Graphene Oxide-based polymer nanocomposites
Date	12-05-2022
Time	10 AM
Venue	https://meet.google.com/csa-eusu-waw
Signature of Speaker	D. Top
Comments	I was happy to participate in the event, which was conducted by Rajalakshmi Engineering college, the event was conducted in a good manner, the organizing committee was in great cooperation and the participated audience were very much eager to raise questions. Moreover, I was very happy to be the one of the speakers in the fruitful event.
	J. U. reup



#### FEEDBACK FROM THE SPEAKER

#### **DEPARTMENT: CHEMICAL ENGINEERING**

Speaker Name	Dr. B. Vivekanandan
Designation	Associate Professor
Institute/University/Organization	Hindustan Institute of Technology and Science
Title of the Lecture	Opportunities for Chemical Engineers
Date	13-05-2022
Time	10 AM
Venue	https://meet.google.com/csa-eusu-waw
Signature of Speaker	b. Vivelcanandan
Comments	Good response from students
2	
	S. D. Henry





#### **SUMMARY OF THE WORKSHOP**

The student coordinator Ms. Srimalar supported for all arrangement required throughout the program. Session has started at 10.0 AM, Dr. K. Nagarajan, HOD of Chemical Engineering presented a brief introduction of the workshop. Followed by Dr. G. Vijayaraghavan talked about applications of different waste materials. The main objective of organizing this workshop is to create awareness among the Chemical Engineering student about the waste generation from various industry and how we can utilize them as raw material for value added product manufacture. Through our unique and strategic approach, we enable our students to learn beyond and prepare them for life long success.

First day started with Dr. Noel Jacob Kaleekkal delivered a lecture on Membrane Technology for Desalination and Water Recovery. Dr. P. Senthil Kumar explained in detail about Research Skills for Undergraduate Students which was more helpful to the students. Since he has been a member of highly reputed journal could explain in simple and most effective way. Dr. Sathya R, scientist has showed much opportunities in leather industry for chemical Engineers. Also she said about her foreign visit and abroad research laboratory. Dr. Duraisami Dhamodharan was explained about membrane technology in different applications. In addition, he has illustrated opportunities to make value added products from waste in South Korea. Finally, Dr. B. Vivekanandan was explained about pharmaceutical industry waste into useful products. He said in detail about catalyst and petroleum industry waste conversion into fine chemical synthesis. In future it is planned to organize seminars and conference on waste to energy technology. Feedback form was shared with the students and collected the same with response. Later, E-Certificates also provided to all the participants.

#### **OUTCOME**

- Students were learned knowledge on how to make use of industry waste into energy. And also Membrane Technology for Desalination and Water Recovery.
- They learned how food waste can be converted into useful value-added products viz., phytochemicals, bioactive compounds, food supplements, livestock feed, dietary fibres, bio pigments and colorants, emulsifiers, edible and essential oils, bio preservatives, bio fertilizers, biofuels and single cell protein.

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- Students extended learning on how and why world is transforming every day with the new technology.
- Gained knowledge on rapid evolving engineering landscape and increased responsibility to transform the engineering education from traditional curriculum to meet the 21st century skills like Creativity, Critical Thinking, Collaboration and Communication.
- Learned about opportunities in leather industry for chemical Engineers and abroad research laboratory handling techniques.
- Gained knowledge on pharmaceutical industry waste into useful products, different catalyst and petroleum industry waste conversion into fine chemical synthesis.

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Head of the Department

S.N. Mu





## Guest Lecture on A Walkthrough in Data Science -Machine Learning

### Index

Sl. No.	Details
1	Brochure
2	Communication with Speakers/Permission Letter
3	Speaker Profile (s)
4	List of Participants
5	Attendance
6	Photographs
7	Feedback from the Participants
8	Feedback from the speakers
9	Feedback Analysis
10	Event Report

J.N. 14



### Brochure





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## **Communication with Speakers**



### **Transport Request**

#### 9/2/22, 3:17 PM

Rejalakshmi Engineering College Mail - Request for Transport Facility for Expert 2-Guest Lecture Regarding

#### RAJALAKSHMI ENGINEERING COLLECE

Jananee V <jananee.v@rajalakshmi.edu.in>

#### Request for Transport Facility for Expert 2-Guest Lecture Regarding 1 message

Sorna Shanthi D <sornashanthi.d@rajalakshmi.edu.in> Wed, May 18, 2022 at 9:38 AM To: REC Transport <rectransport@rajalakshmi.edu.in>, Jananee V <jananee.v@rajalakshmi.edu.in>

#### Dear Sir,

We the Department of CSE are organizing a guest lecture titled " A Walkthrough in Data Science -Machine Learning "

Date of the Guest Lecture:21.05.2022

#### **Guest Details:**

Name: Harini Jeyapal Designation: Consultant, Data Scientist Company: Fractal Address: 5/168, elango street, prem Nagar (extn), pozhichalur, chennai-600074

Mobile No: 9043046839 Date: 21.05.2022 Pickup time:9.15am Drop time:12.30pm

Regards, Sorna Shanthi D



https://mail.google.com/mail/u/1/?ik=5e90f5c723&v

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arch=all&permithid=thread-f%3A1733135606576384535&simpl=msg-f%3A1733135... 1/1

### **Permission Letter**

Date:19.5.2022

Thandalam

From

J. N. Henger

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE

AN AUTONOMOUS INSTITUTION

THANDALAM, CHENNAI - 602 105.

The HOD/CSE,

**Rajalakshmi Engineering College** 

Thandalam-602105.

То

The Principal,

Rajalakshmi Engineering College

Thandalam-602105.

**Respected Sir**,

Sub - Requisition to conduct "A WALKTHROUGH IN DATA SCIENCE"-Reg.

We the department of Computer Science and Engineering in association have planned to conduct a"A WALKTHROUGH IN DATA SCIENCE" exclusively for the III CSE students on 21.5.2022. In this regard we kindly request you to permit us to proceed with the conduct of the Programme.

DIN'T [CO-ORDINATOR]

**Thanking You** 

M UTITER

Permitted

## **Speaker Profile**

## Harini Jayapal

An ambitious young woman determined to succeed in my career and purpose. Data Scientist with 4.5 years of Techno Functional expertise in handling end to end Data science (Machine learning, Data engineering, Client engagements) and Analytics consulting projects. Experience in Supply Chain(Logistics, Inventory, Procurement, Manufacturing, Demand forecasting), E-commerce, Pharma, CPG-Food, Port/Shipping and Manufacturing (Clothing, Agro) domains. My current role involves understanding, designing, planning, integrating analytics, machine learning, interpreting insights and engage with clients on defining the problem and scope, analyzing, interpreting data, developing solutions using AIML techniques, defining recommended actions to give end to end Supply chain business solutions to make strategic decisions which could different have huge impact business domains. on across

Experience in handling clients directly. Worked on POCs and Pilots for client pitching across various business domains.

Technical Expertise:

-> Statistics - Data Pre-processing, EDA, Descriptive Statistics, Univariate, Multivariate, Distributions, Hypothesis testing, Variations, Regression, Modeling, Performance metrics

-> Machine Learning - Linear Regression, Logistic Regression, Random Forest, Xgboost, Support Vector Machine, Naive bayes, Time Series Forecasting -> Deep learning - Natural Language Processing(NLP), Word2vec, TF-IDF, Ngrams, Word embeddings, Named entity recognition, Convolutional Neural Network (CNN)

- -> Supply chain management
- -> Client engagements

-> Microsoft Azure - Azure Data bricks, Azure Data Factory, Azure SQL Database, Data architecture, Data pipelines

- -> Python
- -> SQL

-> PBI - Data Visualization and Storytelling through Data Insights

-> Hive, Bigdata-Hadoop

-> Data warehousing

Apart from my career, I am an artist, I enjoy being creative and colorful. I love to express my thoughts and dreams through my paintings. Passionate about paintings, art works, singing and I read books during free time. Welcome to view some of my paintings @artsy.jh Thankyou!



# List of Participants

## **RAJALAKSHMI ENGINEERING COLLEGE**

## Talent Enhancement Cell - BATCH 2020

## DATE :21.05.2022

S NO	Name	ROLL
		NUMBER
1	Abinayapriyar	200701006
2	Akileshk r	200701015
3	Deepakrajk	200701058
4	Dhivyas	200701067
5	Eashaan Manohar	200701070
6	Harshinis	200701081
7	Indrajiths	200701088
8	Kandrikar hudafathima	200701112
9	Keerthanae	200701122
10	Keerthanas	200701123
11	Mohamed natheemb	200701148
12	Moneshm s	200701150
13	Monishar	200701152
14	Muqaddam aaqilsheriff	200701154
15	Nareshg	200701157
16	Praganyap	200701173 RAJALARSHMI ENGINEERING COLLEGE
17	Prithikaa	200701177 AN AUTONOMOUS INSTITUTION 200701177 ANDALAM, CHENNAI - 602 105.
18	Pritikak	200701180
	AN	J. N. Henry

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19	Pujasreek	200701182
20	Revathis	200701195
21	Rhikshithak	200701196
22	Rithikas	200701199
23	Sandra dosss	200701211
24	Sanjaya	200701212
25	Sanjithas	200701214
26	Sobika shreev	200701246
27	Subathrav	200701256
28	Subhikshap s	200701259
29	Suriya prakashu	200701267
30	Swethap	200701270
31	Ilakias r	200701309
32	Kaushiik	200701116
33	Subrahmanyan	200701312
34	Harrish vijay g	200701080
35	Pk janani	200701094
36	Janani priya	200701095
37	Kamalakshi	200701111
38	Haritha s	200701079
39	Hemanand	200701505
40	Joshua david	200701107
41	A kavin	200701117
42	Kavyashree bn	200701121 PRINCIPAL
43	Eaknath ms	200701021 AKSHMI ENGINEERING COLLE
44	Jaisuriya pk	200701092 AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.
	AN AUTONOMOUS INSTITUTION	J.N. Neufon

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45	Hosala devi	200701086
46	Hirthik shyam	200701085
47	Varshini v	200701280
48	Vishnu s	200701295
49	Yokesh r	200701303
50	Yuvaraja m	200701305
51	Yokeswaran s	200701304
52	Yashwant db	200701299
53	Stephen s	200701255
54	Sola yuva prathima	200701247
55	Suhainul rumysia m	200701261
56	Varshnee I d	200701281

J. D. Hemper



## Attendance with Student Signature

Rajalakshmi Engineering College Rajalandian of Computer Science and Engineering

TOPIC: A WALK THROUGH IN DATA SCIENCE- MACHINE LEARNING .) DATE:21.05.2022 VENUE:TLGL2

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## Photographs



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2254+R2F, Mevalurkuppam, Tamil Nadu 602117, India
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Long 80.004843°
21/05/22 12:12 PM

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Google



Guest Lecture on "Data Science " Dated 21/5/22



Guest Lecture on "Data Science " Dated 21/5/22



### Feedback from the Participants

#### **RAJALAKSHMI ENGINEERING COLLEGE**

(An Autonomous Institution)

**Department of Computer Science and Engineering** 

STUDENTS/ FACULTY EVALUATION OF GUEST LECTURE

Date: 21 5 22

Indicate your evaluation of characteristic given below using grades based on following scale: -

STRONGLY AGREE: 4 AGREE: 3 DISAGREE: 2 STRONGLY DISAGREE: 1

S.no	Characteristics	Grade			
		4	3	2	1
1	The Speaker has a sound knowledge in the subject	1			
2	The Speaker's introduction about the topic/subject was motivating	1			
3	The Speaker style of presentation was great and understandable.	5			
4	The session was delivered with good real-time examples and case studies	1			
5	The Guest Lecture was effective and useful.	1			

**Department of Computer Science and Engineering** 

STUDENTS/ FACULTY EVALUATION OF GUEST LECTURE

Date: 21 5 22

Indicate your evaluation of characteristic given below using grades based on following scale: -

STRONGLY AGREE: 4 AGREE: 3 DISAGREE: 2 STRONGLY DISAGREE: 1

S.no	Characteristics	Grade			
	and the second	4	3	2	1
1	The Speaker has a sound knowledge in the subject	1	1.1		
2	The Speaker's introduction about the topic/subject was motivating	0			1
3	The Speaker style of presentation was great and understandable.	r			
4	The session was delivered with good real-time examples and case studies	1			
5	The Guest Lecture was effective and useful.	1			

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#### isitors Book 1 DATE NAME & ADDRESS REMARKS Kamali S, Saftuare Engineer It was very impressive and got to hear 28 02 2022 HTI many new ideas Koonhika R, Software Engineer Gread that I was ground and given this opportunity. 28 02 2022 valuerabs Great ideas were presented & all the students were participating eaglerly. Good intrudue session, got intrusting Aashish Vivekanard, cloud Solution 26 3 2022 Architect, Trusted Services pte 10 answers, organized well. Manikandan Palani, Architect. Excellent interestion with Atulant, Ian 25/5/2022 happy to see most of the students knowing what Than knyou for the opportunity. It was golean interacting with the students, more to come. Harini. J , Pallavariam 21 5 2022

### Feedback from the speakers

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

STARTES

## **Feedback Evaluation**

### **Data Science**

	Average
4-STRONGLY AGREE	3.2
3-AGREE	4
2-DISAGREE	0
1-STRONGLY DISAGREE	0



Guest Lecture Attains Students Requirement promoting positive Feedback

J.N. He



#### **Event Report**

#### **RAJALAKSHMI ENGINEERING COLLEGE**

### **An Autonomous Institution**

### **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

#### **GUEST LECTURE**

#### **REPORT**:

## Data Science was delivered by the guest speaker Harini Jayapal in the Tech Lounge on 21/5/22. Totally in and around 56 Students and 10 faculties participated in this Seminar

Data science is one of the most upcoming fields in computer science with enormous potential. It can be scaled to almost each and every industry. The guest lecture started with an introduction to machine learning, AI, data science and clear distinction between them. Various steps involved in data analysis were carried out with in depth concepts and insights were gathered. Along with a clearly explained presentation, the instructor made it a point to clear all doubts of the students before moving on to the next concepts and showed various real time examples. Hands-on training on a given data csv file using various python libraries like numpy, seaborn and keras. Data Science instead responds to questions about the influence of customer behavior on the company's business results. Data Science combines the potential of data with the creation of algorithms and the use of technology to answer a series of questions. Recently the functions of machine learning and artificial intelligence have evolved and will bring data science to levels that are still difficult to imagine. Business Analytics, on the other hand, continues to be a form of business data analysis with statistical concepts to obtain solutions and in-depth analysis by relating past data to those relating to the present. Data Science is indispensable for companies dealing with digital transformation because it allows them to direct their products or services towards the customer, their purchasing behavior and respond to their needs. Leading companies in the global market, such as Netflix, Amazon, and Spotify use applications developed by Data Scientists. Thanks to artificial intelligence, it allows creating recommendation engines that suggest what to buy, what to listen to and which films to see based on the tastes of the individual user. These algorithms are also able to evaluate what were the suggestions that did not affect the user's interest thanks to the machine learning process, which allows refining the proposals more and more and thus increasing conversions and optimizing the ROI.

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## Webinar on Autonomous Systems:Technologies ,opportunities and its Future Potentials

SI. No.	Details
1	Brochure
2	Permission Letter
3	Speaker Profile (s)
4	List of Participants
5	Photographs
6	Feedback from the speakers
7	Feedback from the Participants
8	Feedback Analysis
9	Event Report



J. N. Herry

### Brochure

INSTITUTION'S INNOVATION

(Ministry of HRD initiative)

COUNCIL



## WEBINAR

On

Autonomous Systems: Technologies, Opportunities and its Future Potential

Organized by Department of CSE

In association with Institution's Innovation Council, REC

## Dr. Sreejith Vidhyadharsan Nair

Research Assistant Professor Department of Aviation John D. Odegard School of Aerospace Sciences University of North Dakota

12.11.2021 10.00 AM

J. N. Lenge



#### **Permission Letter**

Date:03.11.2021

#### Thandalam

From

The HOD/CSE,

3

Rajalakshmi Engineering College,

Thandalam-602105.

To

The Principal,

Rajalakshmi Engineering College,

Thandalam-602105.

**Respected Sir**,

Sub – Requisition to conduct "Autonomous Systems" – Reg.

We the department of Computer Science and Engineering in association have planned to conduct a "Autonomous Systems" exclusively for the III CSE students on 12.11.2021. In this regard we kindly request you to permit us to proceed with the conduct of the Programme.

**Thanking You** 

Yours Sincerely

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#### **Speaker Profile**

#### **Biography**

Dr. Sreejith Vidhyadharan Nair holds his Ph.D. in mobile wireless sensor networks from Birla Institute of Science and Technology - Pilani, India. He has over 15 years of research and academic experience, including working with government agencies and industries on funded projects. In addition, he mentored many undergraduate and postgraduate students in the area of cyber-physical systems and computer networks. Sreejith's research focus includes Unmanned Aerial Systems, Internet of Things, and Wireless Networks. He joined the University of North Dakota as a PostDoctoral Researcher at the Research Institute for Autonomous Systems (RIAS). Sreejith at present is working as Research Assistant Professor, Aviation, UND. His work involves developing communication protocol and improving sensing for air, and ground-based sensors, autonomous navigation, UAS assisted target detection and tracking using machine learning, designing, and developing intelligent systems using edge analytics, and GPS denied navigation for ground vehicles, etc.



J.N. Henper

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

# List of Participants

## **RAJALAKSHMI ENGINEERING COLLEGE**

## DATE :12-11-2021

S NO	Roll No	Name	
1	180701241	SNEHA M	
2	180701242	SOWMIYA.M.R	
3	180701243	SREEKARAN B	
4	180701244	SRI SANGEETH AS	
5	180701245	SRIDANYA R	
6	180701246	SRIDEVI A	
7	180701247	SRIRAM KATHIRESAN	AUTONOMOUS
8	180701248	SRIRAM P	INSTITUTION
9	180701249	SRIVATSAN L N	
10	180701250	SRUTHI B	
11	180701251	SRUTHY R B	
12	180701252	SUBASH S	J. N. Hempeon
13	180701253	SUBASREE B	
14	180701255	SUDHARSAN S	PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

	1	1	
15	180701256	SUGANTHI T	
16	180701257	SUKHETHA.R	
17	180701258	SUNIL S	
18	180701259	SURENDAR K	
19	180701260	SURUTHI B	
20	180701261	SURYA NARAYAN S	
21	180701262	SURYAA SIVAKUMARAN	
22	180701263	SWATHEESWARI S	
23	180701264	TARAKESH.K	
24	180701265	THARUN KUMAR B	
25	180701266	THARUN KUMAR C	
26	180701267	UMA JYOTHIKA S	(
27	180701268	VAISHNAVI V	
28	180701269	VARUSHNI P	
29	180701270	VEDHASHREE RAJKUMAR	5.
30	180701271	VENKAT NARAYAN K	P
31	180701272		
32	180701273	VENKATASAI THARUN P	MUUA



D. Hemper

33	180701274	VENKATESAN.C	
34	180701275	VENKATESWARAN.G	
35	180701276	VIDHYA J	
36	180701277	VIDHYADHARAN K	
37	180701278	VIGNESH A	
38	180701279	VIGNESH B	
39	180701280	VIGNESH B	
40	180701281	VIGNESH L R	
41	180701282	VIJAY ANAND R	
42	180701283	VIJAY T	
43	180701284	VIJAYAKUMAR.L.G	
44	180701286	VIJAYVENKATESH J	
45	180701287	VIKNESH A	
46	180701288	VIKNESHWAR GK	
47	180701289	VINUSHA E	
48	180701290	VISHAL N C	
49	180701291	VISHNU RAGHURAMAN	
50	180701292	YASHVANTHRA J	
51	180701293	YUVAHARI J	RAJAL
52	180701294	YUVARANI G	2



1

53	180701295	JAYAPRAKASH K (1.08.2018)
54	180701296	SRIMAHIMA.S (05.09.2018)
55	180701297	JAGAN G (07.09.2018)
56	180701501	JAYASHRI. A (L/E)
		EVENT Coordin

Video Recording Link https://drive.google.com/file/d/1VHLrLi3RVVvnts456DgM4AsXfFe48V42/ view



J. D. Henry

## **Photographs**



Webinar on Autonomous System and Technologies Dated "12-11-2021"



# Feedback from the speakers [online]

00:03:30.030,00:03:33.030

Shanthalakshmi M: Dear participants, kindly switch on your camera. Just to take a snapshot for rememberance

00:44:40.162,00:44:43.162 Bhavani M: Kindly fill the feedback form: https://forms.gle/emJYBeFcazjn7hUj6

00:48:52.293,00:48:55.293 031 ARULJOTHI K: No ma'am.

00:52:11.124,00:52:14.124 Jananee V: https://docs.google.com/document/d/19fc823qB5JQkt8Ra6rcwBRwJsWIp fBEF/edit

00:52:36.751,00:52:39.751 Jananee V: Requesting to give your feedback

00:53:58.216,00:54:01.216 Sreejith: thank you for the wonderful interactive session



PRINCIPAL

# **Online Feedback from the Participants**

Timesta mp	Name	<b>Email</b> Address	What is your overall assessme nt of the event?	Did the Webin ar achieve d the progra m objecti ve	Kno wled ge and info rma tion gain ed fro m the part icipa tion at this even ts	After the event , how inspi red did you feel?	Do you think it was an Interac tive session ?
2021/11/1 2 11:15:21 AM GMT+5: 30	Nandita Sajeev	nandita.saje ev.2019.cse @rajalaksh mi.edu.in	5	Yes	5	5	Yes
2021/11/1 2 11:15:35 AM GMT+5: 30	R Deepika	deepika.r.2 019.cse@ra jalakshmi.e du.in	5	Yes	5	5	Yes
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2021/11/1 2 11:16:05 AM GMT+5: 30	Naveen.B	naveen.b.20 19.cse@raj alakshmi.ed u.in	5	Yes	5	4	Yes
2021/11/1 2 11:16:07 AM GMT+5: 30	Susmitha R	susmitha.r. 2019.cse@r ajalakshmi. edu.in	5	Yes	5	5 -	Yes
2021/11/1 2 11:16:09 AM GMT+5: 30	Daya Mary Mathew	dayamarym athew@raj alakshmi.ed u.in	4	Yes	5	4	Yes

ni, Che

2021/11/1 2 11:16:10 AM GMT+5:	Shrijeeth S	shrijeeth.s.2 019.cse@ra jalakshmi.e du.in	4	Yes	4	5	Yes
30 2021/11/1 2 11:16:12 AM GMT+5: 30	Sangeetha P	sangeetha.p .2019.cse@r ajalakshmi. edu.in	4	Maybe	4	4	Yes
2021/11/1 2 11:16:12 AM GMT+5: 30	Suraj N	suraj.n.201 9.cse@rajal akshmi.edu. in	4	Yes	4	4	Yes
2021/11/1 2 11:16:14 AM GMT+5: 30	Nandhini M	nandhini.m. 2019.cse@r ajalakshmi. edu.in	4	Yes	3	3	Yes
2021/11/1 2 11:16:15 AM GMT+5: 30	Anagha Nambiar	anagha.na mbiar.2019. cse@rajala kshmi.edu.i n	5	Yes	5	4	Yes
2021/11/1 2 11:16:16 AM GMT+5: 30	Visalatchi R	visalatchi.r. 2019.cse@r ajalakshmi. edu.in	4	Yes	4	4	Yes
2021/11/1 2 11:16:17	Dhanalakshmi.R	dhanalaksh mi.r.2019.cs e@rajalaks hmi.edu.in	5	Yes	5	5 eugs	Yes

2021/11/1 2 11:16:17 AM GMT+5: 30	Priyadharshini.M	priyadhars hini.m.2019 .cse@rajala kshmi	5	Maybe	5	5	Yes
2021/11/1 2 11:16:17 AM GMT+5: 30	SRIVIVEKNATH S R	sriviveknat h.sr.2019.cs e@rajalaks hmi.edu.in	5	Yes	4	4	Yes
2021/11/1 2 11:16:18 AM GMT+5: 30	ROHIT M	rohit.m.201 9.cse@rajal akshmi.edu. in	4	Yes	5	5	Yes
2021/11/1 2 11:16:18 AM GMT+5: 30	V.Abinav	abinav.v.20 19.cse@raj alakshmi.ed u.in	4	Yes	4	4	Yes
2021/11/1 2 11:16:19 AM GMT+5: 30	V.Charan	charan.v.20 19.cse@raj alakshmi.ed u.in	4	Yes	4	4	Yes
2021/11/1 2 11:16:19 AM GMT+5: 30	Jeevamutharasi Selvarasu	jeevamutha rasi.s.2019.c se@rajalak shmi.edu.in	5	Yes	5	5	Yes
2021/11/1 2 11:16:22 AM GMT+5: 30	SANGAMITHRA V	sangamithr a.v.2019.cse @rajalaksh mi.edu.in	5	Yes	5	5	Yes

2021/11/1 2 11:16:22 AM GMT+5: 30	Akhila Vignesh	akhila.vigne sh.2019.cse @rajalaksh mi.edu.in	5	Yes	5	5	Yes
2021/11/1 2 11:16:27 AM GMT+5: 30	Jeevitha C	jeevitha.c.2 019.cse@ra jalakshmi.e du.in	5	Yes	5	5	Yes
2021/11/1 2 11:16:27 AM GMT+5: 30	Sundararajan S	sundararaj an.s.2019.cs e@rajalaks hmi.edu.in	5	Yes	5	5	Yes
2021/11/1 2 11:16:27 AM GMT+5: 30	Santoshkumar P A	santoshkum ar.pa.2019.c se@rajalak shmi.edu.in	5	Yes	5	5	Yes
2021/11/1 2 11:16:29 AM GMT+5: 30	Harish S	harish.s.201 9.cse@rajal akshmi.edu. in	4	Maybe	4	3	Yes
2021/11/1 2 11:16:29 AM GMT+5: 30	Sidharth Raj M	Sidharthraj .m.2019.cse @rajalaksh mi.edu.in	4	Maybe	4	4	Yes
2021/11/1 2 11:16:31 AM GMT+5: 30	Mierudhula Sa	mierudhula .sa.2019.cse @rajalaksh mi.edu.in	4	Yes		3 een	Maybe



2021/11/1 2 11:16:31 AM GMT+5: 30	geethanjali m	geethanjali. m.2019.cse @rajalaksh mi.edu.in	5	Yes	5	5	Yes
2021/11/1 2 11:16:36 AM GMT+5: 30	Jayashree k	jayashree.k @rajalaksh mi.edu.in	5	Yes	5	5	Yes
2021/11/1 2 11:16:38 AM GMT+5: 30	Deepasree R	deepasree.r. 2019.cse@r ajalakshmi. edu.in	5	Yes	5	4	Yes
2021/11/1 2 11:16:46 AM GMT+5: 30	Sreenath Prasadh	sreenath.pr asadh.2019. cse@rajala kshmi.edu.i n	5	Yes	5	5	Yes
2021/11/1 2 11:16:51 AM GMT+5: 30	Priyadharshini.k	priyadhars hini.k.2019. cse@rajala kshmi.edu.i n	3	Yes	4	4	Yes
2021/11/1 2 11:16:52 AM GMT+5: 30	Arumugam Madan	arumugam. madan.2019 .cse@rajala kshmi.edu.i n	5	Yes	4	4	Maybe
	'A Mukundh	mukundh.a. 2019.cse@r ajalakshmi. edu.in	4	Yes		4 Le.	Yes
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2021/11/1 2	Sanjeev Krishnan R	sanjeevkris hnan.r.2019	5	Yes	5	5	Yes
2021/11/1 2 11:17:07 AM GMT+5: 30	Aravindh R	aravindh.r. 2019.cse@r ajalakshmi. edu.in	4	Yes	5	5	Yes
2021/11/1 2 11:17:03 AM GMT+5: 30	Nithish Kumar N	nithishkum ar.n.2019.cs e@rajalaks hmi.edu.in	5	Yes	4	4	Yes
2021/11/1 2 11:17:02 AM GMT+5: 30	Jeevana V	jeevana.v.2 019.cse@ra jalakshmi.e du.in	5	Yes	5	5	Yes
2021/11/1 2 11:16:57 AM GMT+5: 30	K.Deenadhayalan	deenadhaya lan.k.2019.c se@rajalak shmi.edu.in	5	Yes	5	5	Yes
2021/11/1 2 11:16:57 AM GMT+5: 30	Akash S	akash.s.201 9.cse@rajal akshmi.edu. in	5	Yes	5	4	Yes
2021/11/1 2 11:16:54 AM GMT+5: 30	SHAHUL HAMEED P T S	SHAHULH AMEED.P TS.2019.CS E@RAJAL AKSHMI.E DU.IN	5	Yes	5	5	Yes



2021/11/1 2 11:17:12 AM GMT+5: 30	keshika A	keshika.a.2 019.cse@ra jalakshmi.e du.in	5	Yes	5	5	Yes
2021/11/1 2 11:17:14 AM GMT+5: 30	Aswath S	aswath.s.20 19.cse@raj alakshmi.ed u.in	5	Yes	5	4	Maybe
2021/11/1 2 11:17:14 AM GMT+5: 30	PRASEETHA P	praseetha.p. 2019.cse@r ajalakshmi. edu.in	5	Yes	5	5	Yes
2021/11/1 2 11:17:18 AM GMT+5: 30	Nesigan M L	nesigan.ml. 2019.cse@r ajalakshmi. edu.in	5	Yes	5	5	Yes
2021/11/1 2 11:17:18 AM GMT+5: 30	Varsha P	varsha.p.20 19.cse@raj alakshmi.ed u.in	5	Yes	5	5	Yes
2021/11/1 2 11:17:18 AM GMT+5: 30	Vikram R	vikram.r.20 19.cse@raj alakshmi.ed u.in	4	Yes	4	4	Yes
2021/11/1 2 11:17:19 AM GMT+5: 30	shailendar ds	shailendar. ds.2019.cse @rajalaksh mi.edu.in	5 NGINEERING	Yes	5 5. r	4 p. f-e PRINC	Yes

EGE RAJALAKSHMI ENGINE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

2021/11/1 2 11:17:29 AM GMT+5: 30	Ancy Tera B	ancytera.b. 2019.cse@r ajalakshmi. edu.in	4	Yes	4	4	Yes
2021/11/1 2 11:17:30 AM GMT+5: 30	Nivetha B	nivetha.b.20 19.cse@raj alakshmi.ed u.in	3	Maybe	3	2	Maybe
2021/11/1 2 11:17:30 AM GMT+5: 30	Benedict J.N.	benedict.jn @rajalaksh mi.edu.in	5	Yes	5	5	Yes
2021/11/1 2 11:17:34 AM GMT+5: 30	SUPRIYA	Supriya.v.2 019.cse@ra jalakshmi.e du.in	4	Yes	3	4	Yes
2021/11/1 2 11:17:35 AM GMT+5: 30	Anand Prince Purty	anandprinc epurty.2019 .cse@rajala kshmi.edu.i n	5	Yes	5	5	Yes
2021/11/1 2 11:17:46 AM GMT+5: 30	Hariharan.K	hariharan.k .2019.cse@r ajalakshmi. edu.in	4	Yes	5	5	Yes
2021/11/1 2 11:17:57 AM GMT+5: 30	B.naveen kumar	naveenkum ar.b.2019.cs e@rajalaks hmi.edu.in	4	Yes	4	4	Yes

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2021/11/1 2 11:17:59 AM GMT+5: 30	S.P.DINESH	dinesh.sp.20 19.cse@raj alakshmi.ed u.in	5	Yes	5	5	Yes
2021/11/1 2 11:18:01 AM GMT+5: 30	Riyazuddin R	riyazuddin. r.2019.cse@ rajalakshmi .edu.in	4	Yes	3	3	Yes
2021/11/1 2 11:18:04 AM GMT+5: 30	Shivani R	shivani.r.20 19.cse@raj alakshmi.ed u.in	4	Yes	3	3	Yes
2021/11/1 2 11:18:06 AM GMT+5: 30	Sujitha P	sujitha.p.20 19.cse@raj alakshmi.ed u.in	5	Yes	5	5	Yes
2021/11/1 2 11:18:06 AM GMT+5: 30	S.Muruganandam	murugan40 04@gmail.c om	5	Yes	5	4	Yes
2021/11/1 2 11:18:14 AM GMT+5: 30	Deepthi P	deepthi.p.20 19.cse@raj alakshmi.ed u.in	4	Yes	4	4	Maybe
2021/11/1 2 11:18:24 AM GMT+5: 30	Thuhin Khanan R.	thuhinkhan na.r.2019.cs e@rajalaks hmi.edu.in	5	Yes	5	5	Yes

2021/11/1 2 11:18:44 AM GMT+5: 30	Jaya Krishna Raj S	jayakrishna raj.s.2019.c se@rajalak shmi.edu.in	5	Yes	5	4	Yes
2021/11/1 2 11:18:49 AM GMT+5: 30	Jeevitha GK	jeevitha.gk. 2019.cse@r ajalakshmi. edu.in	5	Yes	4	4	Yes
2021/11/1 2 11:19:17 AM GMT+5: 30	<b>B.SRIRAMAKRISHNAN</b>	sriramakris hnan.b.2019 .cse@rajala kshmi.edu.i n	4	Yes	4	5	Yes
2021/11/1 2 11:19:22 AM GMT+5: 30	Ananthi S	ananthi.s.20 19.cse@raj alakshmi.ed u.in	5	Yes	5	5	Yes
2021/11/1 2 11:19:27 AM GMT+5: 30	Sweta S	sweta.s.201 9.cse@rajal akshmi.edu. in	4	Yes	4	4	Yes
2021/11/1 2 11:19:38 AM GMT+5: 30	URJHA M B	urjha.mb.2 019.cse@ra jalakshmi.e du.in	5	Yes	5	5	Yes
2021/11/1 2 11:19:38 AM GMT+5: 30	Sagar	sagar.y.201 9.cse@rajal akshmi.edu. in	5 SINEERII	Yes	5		Yes



2021/11/1 2 11:20:13 AM GMT+5: 30	G. V. Harish	harish.gv.20 19.cse@raj alakshmi.ed u.in	5	Yes	5	5	Yes
2021/11/1 2 11:20:18 AM GMT+5: 30	Jagan G	jagan.g.201 9.cse@rajal akshmi.edu. in	4	Yes	4	3	Maybe
2021/11/1 2 11:21:21 AM GMT+5: 30	VIJAY A	vijay.a.2019 .cse@rajala kshmi.edu.i n	5	Yes	5	4	Yes
2021/11/1 2 11:21:44 AM GMT+5: 30	lokesh	lokesh.s.201 9.cse@rajal akshmi.edu. in	4	Yes	4	4	Maybe
2021/11/1 2 11:21:54 AM GMT+5: 30	Dhananjay Kumar	dhananjayk umar.r.201 9.cse@rajal akshmi.edu. in	5	Yes	5	4	Yes
2021/11/1 2 11:22:04 AM GMT+5: 30	Harini Ganesh Shankar	harini.g.201 9.cse@rajal akshmi.edu. in	5	Yes	5	5	Yes
2021/11/1 2 11:22:22 AM GMT+5: 30	Vijay K	vijay.k.2019 .cse@rajala kshmi.edu.i n	5	Yes	4	4	Maybe
	ALL ALL	AUTONOMOUS INSTITUTION			LAKSHM	II ENGINE NOMOUS	ERING COLLI INSTITUTION NAI - 602 105.

2021/11/1 2 11:26:54 AM GMT+5: 30	Sakthi G	sakthi.g.201 9.cse@rajal akshmi.edu. in	3	Yes	4	4	Maybe
2021/11/1 2 11:30:01 AM GMT+5: 30	Srivathsan S	srivathsan.s .2019.cse@r ajalakshmi. edu.in	3	Maybe	3	3	Maybe
2021/11/1 2 11:42:47 AM GMT+5: 30	Sujitha R	sujitha.r.20 19.cse@raj alakshmi.ed u.in	4	Yes	5	4	Yes
2021/11/1 2 1:00:41 PM GMT+5: 30	Ashwin S	ashwin.s.20 19.cse@raj alakshmi.ed u.in	5	Yes	5	5	Yes
2021/11/1 2 1:02:13 PM GMT+5: 30	Ashwin S	ashwin.s.20 19.cse@raj alakshmi.ed u.in	5	Yes	5	5	Yes
2021/11/1 2 1:02:50 PM GMT+5: 30	Ashwin S	ashwin.s.20 19.cse@raj alakshmi.ed u.in	5	Yes	5	5	Yes
2021/11/1 2 4:56:18 PM GMT+5: 30	J.Jinu Sophia	jinusophia.j @rajalaksh mi.edu.in	5	Yes	5	5	Yes



J.N. tuyen

# Autonomous Systems: Technologies, Opportunities and its future Potential Feedback form

webinar on 12.11.2021

\* Required

1. Name \*

Ashwin

2. Participant Role \*

Check all that apply.

Student

Faculty

Other Professional

3. If "Other Professional" Kindly specify your designation and company name



S.N.M

4. Email Address \*

ashwin@rajalakshmi.edu.in

5. What is your overall assessment of the event? \*

Mark only one oval.



6. Did the Webinar achieved the program objective \*

Mark only one oval.

YesMaybe

No



SN.M

7. Knowledge and information gained from the participation at this events \*

	1	2	3	4	5	
Insufficient	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$		Excellent

8. After the event, how inspired did you feel? \*

Mark only one oval.

Mark only one oval.

	1	2	3	4	5	
None	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$		Fired Up!

9. Do you think it was an Interactive session? \*

Mark only one oval.





#### FEEDBACK ANALYSIS REPORT

#### **Question 1**

#### What is your overall assessment of the event? 94 responses





Did the Webinar achieved the program objective 94 responses





Yes
Maybe

J.U. L



#### Question 3



Knowledge and information gained from the participation at this events 94 responses



After the event, how inspired did you feel? 94 responses







Do you think it was an Interactive session? 94 responses





J.N.M. T=

#### **Event Report**

#### **RAJALAKSHMI ENGINEERING COLLEGE**

#### **An Autonomous Institution**

#### **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

#### **GUEST LECTURE**

#### REPORT

Autonomous Systems: Technologies, Opportunities and its future Potential by Sreejith V Online Gmeet Link. 56 Students attended the online session . This study investigates the challenges and opportunities pertaining to transportation policies that may arise as a result of emerging autonomous vehicle (AV) technologies. AV technologies can decrease the transportation cost and increase accessibility to low-income households and persons with mobility issues. This emerging technology also has far-reaching applications and implications beyond all current expectations. This paper provides a comprehensive review of the relevant literature and explores a broad spectrum of issues from safety to machine ethics. An indispensable part of a prospective AV development is communication over cars and infrastructure (connected vehicles). A major knowledge gap exists in AV technology with respect to routing behaviors. Connected-vehicle technology provides a great opportunity to implement an efficient and intelligent routing system. To this end, we propose a conceptual navigation model based on a fleet of AVs that are centrally dispatched over a network seeking system optimization. This study contributes to the literature on two fronts: (i) it attempts to shed light on future opportunities as well as possible hurdles associated with AV technology; and (ii) it conceptualizes a navigation model for the AV which leads to highly efficient traffic circulations.

Organizer

NGINEFA

AUTONOMOUS



## **DEPARTMENT OF HUMANITIES AND SCIENCES**

Guest lecture on "The Role of NGOs in Nation Building"

1	Approval letter
2	Event Brochure
3	Agenda
3	Guest Profile
4	Registration Details
5	Attendance
6	Feedback responses
7	Certificate of Appreciation (If applicable)
8	Sample Photos
9	Guest feedback
10	Program Outcome

J.L. Len

#### **APPROVAL LETTER**

## RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF HUMANITIES AND SCIENCE

10.02.2022

#### Submitted to the Principal

It is proposed to conduct a Guest lecture on **"The Role of NGO's in Nation Building"** on 17.02.2022. This Guest lecture will be conducted for the B.Tech Information Technology students. Mrs. G.Janet, Assistant Professor, Department of Humanitities and Science will be acting as coordinator for this Guest lecture.

nnu HOD /Humanities and Science

S.N. map

## **RAJALAKSHMI ENGINEERING COLLEGE, (AUTONOMOUS),**

## **DEPARTMENT OF HUMANITIES AND SCIENCES**

## **INVITATION**

#### **GUEST LECTURE**

Торіс	:	"The Role of NGOs in Nation Building"
Resource Person	•	Dr. Bennet Jay Ragland PhD, Executive Director, Bee Jay Corporate, India.
Date & Time	•	February 17, 2022, 10.00 am to 11.30 noon
Venue	:	Heritage Centre, Academic Block, First Floor
Target Audience	:	I YEAR B.Tech Information Technology
		All are cordially invited

HOD/H&S

CC: Chairperson/Vice Chairman/Principal/Dean Academics/ HODs/ SAO

S.N. Henry

PRINCIPAL RAJALAKSHMI ENGINEERING COLLECE AN AUTONOMOUS INSTITUTION THANDALAM, CHEMNAI - 602 105

# MAIL COMMUNICATION

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## Invitation for Guest Lecture

Add label



Janet G 15 Feb to bennetjayragland  $\checkmark$ 

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☆

#### Dear Sir

Herewith, I have attached the invitation for the Guest Lecture. I thank you for accepting our invitation and gracing the occasion.

Thank you G. Janet Assistant Professor Department of English

Heard melodies are sweet, but those unheard are sweeter - John Keats



J.N. Fu

## **SPEAKER'S PROFILE**

Bennet John has been conducting "Mind Power Training Program", "High Scoring Techniques" & "Career Empowerment Programs" for Students, Business Executives and Parents. He has been studying and conducting research in the field of Mind Power | Coaching Brain | Moulding Brain while serving as a Production Engineer.

His "HISCOTEC" & "Blue Print for Exam" Program deals with scoring high marks in the examination, his "theory of recognition", has been greatly awarded by National Federation of Neuro Linguistic Psychology, Florida, United States of America. He has been awarded as "Best Trainer" in Self Empowerment by National Federation of Neuro Linguistic Psychology. He has vast experience in the stages as Practitioner, Master & Trainer in Department of Neuro Linguistic Psychology.

For the past 11 years he has been training individuals and corporate in science of NLP. Bennet John has trained over 1,00,000 students all over the world and a host corporate in personality development, leadership, team building, marketing skills, time management, communication skills, medical concepts and stress management.

He has also released many books on basis of NLP, titled "Coach Yourself – To Hit The Bulls' Eye", "Golden Sword For Entrepreneurs", Checkmate For A Ogre(Unemployment)", "Business – Unleashed", "Multimedia – Innovation Unleashed".

He also awarded as "Multi Corporate Trainer" by International Coach Federation, Lexinton,KY

S.D. Henger

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGF AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105

# **PHOTOS**



# GUEST IS DELIVERING A TALK ON The Role of NGOs in Nation Building

J.N. runpon



# **GUEST IS INTERACTING WITH THE PARTICIPANTS**

S. U. Hunger



# Interaction session photos - The Role of NGOs in Nation Building

PPINGIPM. IBAUM AKSHU - INHEERIII (CODULEGE AN AUTON MANY METTUMON THANDALAM, ONEMAN, SOL-100

# **Guest lecture on The Role of NGOs in Nation Building**

# ATTENDENCE SHEET

17.02.22

	<b>B.Tech Infor</b>	mation Technology		
S.NO	Register No	Name of Students	17.02.22	
1	211621100100 1	Aanshija A	Р	
2	211621100100 2	Anived S	Р	
3	211621100100 3	Anjali Krishna	Р	
4	211621100100 4	Apsara S	Р	
5	211621100100 5	Arjun P	Р	
6	211621100100 6	Arjun Sharath	Р	RAJA
7	211621100100 7	Arjunkumar S	Р	т

J. D. Hundren

8	211621100100 8	Arulmozhi A	Р	
9	211621100100 9	Ashwanth S	Р	
10	211621100101 0	Ashwanthaman J	Р	
11	211621100101 1	Avinash T	Р	
12	211621100101 2	Babupraveen R	Р	
13	211621100101 3	Barath R	Р	
14	211621100101 4	Braghadeesh Ra	Р	
15	211621100101 5	Charan K	Р	
16	211621100101 6	Chinna Balaji G	Р	
17	211621100101 7	Deepika Krishnan	Р	
18	211621100101 8	Deepikha J	Р	
19	211621100101 9	Dhanush D	Р	RAJ/ Al
20	211621100102	Dhanush Srivatsav S	Р	T

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21	211621100102 1	Dhasarathan G	Р *
22	211621100102 2	Dhruv R Jain	Р
23	211621100102 3	Dinesh R	Р
24	211621100102 4	Dinesh S	Р
25	211621100102 5	Dravid Saravana S	Р
26	211621100102 6	Gokul R	Р
27	211621100102 7	Gopikrishnan A	Р
28	211621100102 8	Gowtham G	Р
29	211621100102 9	Grithi Akshayaa	Р
30	211621100103 0	Grithik Eshwar	Р
31	211621100103 1	Hariharan R	P
32	211621100103 2	Hariharasudhan A R J	P AN TH

J. N. Heaplan

33	211621100103	Harish P S	Р
34	211621100103 4	Harshitha U	Р
35	211621100103 5	Jaikaran N	Р
36	211621100103 6	Jayanth R	Р
37	211621100103 7	Jayashri G	Р
38	211621100103 8	Jeya Mathesh G	Р
39	211621100103 9	Kalaivendhan S	P
40	211621100104 0	Kamalesh Prasath J	Р
41	211621100104 1	Karthi V	Р
42	211621100104 2	Karthikeyan G	Р
43	211621100104 3	Kaushik Saravanan	P RAJA
44	211621100104 4	Kaushik Sundarbabu	P
45	211621100104	Kavin P	Р

3. D. Fempon

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46	211621100104 6	Keerthana P	Р
47	211621100104 7	Keerthiga E	Р
48	211621100104 8	Kishor Raman M	Р
49	211621100104 9	Lakshaya R	Р
50	211621100105 0	Lalith Adithya N	Р
51	211621100105 1	Lavankishore S	Р
52	211621100105 2	Lavanya R	Р
53	211621100105 3	Logesh I	Р
54	211621100105 4	Mahendra Boopathi M	P
55	211621100105 5	Maheswari S	P RAJALA AN A THA
56	211621100105 6 <sup>Ty</sup>	Manishraj K pe your text	Р
57	211621100105 7	Mary Delfina S	Р

PRINCIPAL

58	211621100105 8	Mathesh R	Р
59	211621100105 9	Mohamed Nagoor S	Р

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S. D. Hunger

#### **RAJALAKSHMI ENGINEERING COLLEGE** DEPARTMENT OF HUMANITIES AND SCIENCES

GUEST LECTURE FEEDBACK FORM

TITLE OF GUEST LECTURE The Role of NGO'S IN Nation But blug.

17-02-2022 DATE

NAME OF THE PARTICIPANT APSARAS

S.N O	QUESTIONS	MODERATE 3	STRONGLY AGREE (A)	STRONGLY DISAGREE (1)	AGREE
1	Were the objective of guest lecture described clearly and met?	1	(		
2	Was the program effective to improve knowledge and skills?		1		
3	Does the topic was useful for apply in a project?	. /			
4	Was the guest lecture helped to understand how to work effectively with peers?				$\checkmark$
5	Does the material provide support better learning?		1		
6	Whether the content delivery is well organised?	$\checkmark$			
7	Do you find any scope to improve a product after attending the program?			-	/

Apsaul

Signature of Evaluator

S. L. Hunger

#### **RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF HUMANITIES AND SCIENCES GUEST LECTURE FEEDBACK FORM**

TITLE OF GUEST LECTURE THE ROLE OF NGO'S IN NATION BUT LDING 17/02/22 DATE

NAME OF THE PARTICIPANT ARJUN SHARATH

S.N O	QUESTIONS	MODERATE (3)	STRONGLY AGREE (4)	STRONGLY DISAGREE (1)	AGREE
1	Were the objective of guest lecture described clearly and met?	1			
2	Was the program effective to improve knowledge and skills?		$\checkmark$		
3	Does the topic was useful for apply in a project?	1			
4	Was the guest lecture helped to understand how to work effectively with peers?	1			
5	Does the material provide support better learning?				$\checkmark$
6	Whether the content delivery is well organised?		×		$\checkmark$
7	Do you find any scope to improve a product after attending the program?		1		

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Signature of Evaluator

### RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF HUMANITIES AND SCIENCES GUEST LECTURE FEEDBACK FORM

# TITLE OF GUEST LECTURE The Role of NOTO'S in Northon Building DATE (7/2/22 NAME OF THE PARTICIPANT Arjun P

S.N O	QUESTIONS	MODERATE	STRONGLY AGREE (4)	STRONGLY DISAGREE( I)	AGREE (2)
1	Were the objective of guest lecture described clearly and met?			ý.	
2	Was the program effective to improve knowledge and skills?	1			
3	Does the topic was useful for apply in a project?		$\checkmark$		
4	Was the guest lecture helped to understand how to work effectively with peers?	1		1 1 2	
5	Does the material provide support better learning?	$\checkmark$			
6	Whether the content delivery is well organised?			2	$\checkmark$
7	Do you find any scope to improve a product after attending the program?		/		-

Signature of Evaluator

S.D. Hupp PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105
### **RAJALAKSHMI ENGINEERING COLLEGE** DEPARTMENT OF HUMANITIES AND SCIENCES

#### **GUEST LECTURE FEEDBACK FORM**

TITLE OF GUEST LECTURE ; THE ROLE OF NGO'S IN NATIONAL BUIDING

DATE 17-02-2022

NAME OF THE PARTICIPANT GOKUL R.

S.N O	QUESTIONS	MODERATE (3)	STRONGLY AGREE (4)	STRONGLY DISAGREE(1)	AGREE
1	Were the objective of guest lecture described clearly and met?	1			
2	Was the program effective to improve knowledge and skills?			$\checkmark$	
3	Does the topic was useful for apply in a project?		1		8
4	Was the guest lecture helped to understand how to work effectively with peers?				/
5	Does the material provide support better learning?	ź	1		
6	Whether the content delivery is well organised?	$\checkmark$			* *
7	Do you find any scope to improve a product after attending the program?		1		8

Crotul P

Signature of Evaluator

S.D. Herenge RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105

# SUMMARY OF FEEDBACK

Q. No.	Questionnaire	MODERATE	STRONGLY AGREE	STRONGLY DISAGREE	AGREE
Q1	Were the objective of guest lecture described clearly and met?	27	15	1	6
Q2	Was the program effective to improve knowledge and skills?	31	5	3	20
Q3	Does the topic was useful for apply in a project?	31	18	4	6
Q4	Was the guest lecture helped to understand how to work effectively with peers?	28	4	2	25
Q5	Does the material provide support better learning?	40	5	4	10
Q 6	Whether the content delivery is well organised?	45	7	2	5
Q 7	Do you find any scope to improve a product after attending the program?	38	15	2	4

## **Feedback Analysis**



S.D. Hempon

## **GUEST FEEDBACK**

#### RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS)

#### DEPARTMENT OF HUMANITITES AND SCIENCE

#### FEEDBACK FROM SPEAKER

SPEAKER NAME	Dr. BENNET JAY
DESIGNATION	Exective director
INSTITUTION/ ORGANISATION	Bee Jay : Corporate
TITLE OF GUEST LECTURE	The Role of NGOD in Nation buildings
DATE & TIME	17/2/22 10-11.30 am.
VENUE	Heritage block, REC
COMMENTS	Happy to deliver.
•	lecture, & its Studients
Y	area a tended lagerly & got benefited.

Do Bent Jan

**SIGNATURE OF SPEAKER** 

J.D.Hu

### Report on the Guest Lecture "The Role of NGOs in Nation Building"

Department of Humanities and Sciences – English organized a guest lecture titled "The Role of NGOs in Nation Building" on 17.02.2022(Thursday) from 10.00a.m. to 11.30a.m. in the Heritage centre, Academic block. This guest lecture consisted of the resource person Dr. Bennet Jay Ragland, Executive Director, Bee Jay aaR Corporate, Chennai, his five member team, 59 students from the department of Information Technology, Head of the Department of Humanities and Sciences and teaching faculty. The speaker was welcomed and introduced by students Ms. Jeshwanthika and Ms. Shereya respectively. The Vote of Thanks was delivered by Mr.Sudharshan from the same class.

The said guest Lecture was intended to give an insight to the students on how an NGO operates and how an individual can become a part of it. It was followed by an interactive session that imparted more knowledge to the students. On the whole, the lecture stimulated the interest which would aid the students to contribute in the betterment of the society. The course **Business Communication and Value Science I** offered exclusively for this department includes a project on visiting NGOs. This is to help each and every student to acquire life skills through hands on experience.

Report prepared by

G. Tanet

G.Janet

Asst.Prof.(SS)

H &S -English

HOD/H&S

S. D. Hunpm

## A WEBINAR ON "RECENT DEVELOPMENTS AND INDUSTRIAL APPLICATIONS OF NON – DESTRUCTIVE TESTING" – 06 – 10 – 2021

Sl. No.	Details RAJALAKSHMI RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai
1	Approval Letter
2	Webinar Brochure
3	Communication with Speakers
4	Speaker Profile (s)
5	Program schedule
6	List of Participants
7	Attendance
8	Photographs taken during the workshop
9	Feedback from the Participants
10	Feedback from the speakers
11	Sample Certificate
12	Presentation Slides/Materials (if available)
13	Event Report
14	Any other details (if any)
14	Thy other details (if any)



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#### RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF MECHANICAL ENGINEERING

01.10.2021

#### Submitted to the Principal

It is proposed to conduct a one-day webinar on "Recent Developments and Industrial Applications of Non – Destructive Testing" on 06<sup>th</sup> October 2021. Mr. S. Kalimuthu, Senior Manager at Wabtec corporation has accepted our request to act as a resource person for this webinar. This webinar will be useful for our Mechanical Engineering students. Mr.K. Loganathan and Dr. C. Devanathan, Assistant professor, Department of Mechanical Engineering will be acting as co-ordinators for this webinar.

ferror the 1100/22

HOD/Mechanical

Dr. S.P.Srinivasan, M.E., PhD., FIE Professor & Head Department of Mechanical Engineering, Director Mechanical Sciences. Rejalekshmi Engineering College



J. N. Lew

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

Webinar Brochure



## The Management and staff of Rajalakshmi Engineering College Department of Mechanical Engineering Invites you all to the Webinar

On

## 'Recent Developments and Industrial Applications of Non Destructive testing' Resource Person



Date: 06.10.2021 Time: 01.00 PM



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

J.w. Munpan

**Expert speaker communication** 



4 October 2021

Messages and calls are end-to-end encrypted. No one outside of this chat, not even WhatsApp, can read or listen to them. Tap to learn more.

You deleted this message

6:42 pm

Topic : Recent developments and Industrial applications of Non Destructive testing Date and Time : 06.10.2021 1.00

PM to 2.3D PM Google Meet Link :

meet.google.com/xik-fekr-wbk

I will send invitation through proper channel tomorrow morning

6.44 pm 🛷



J. 10. Lu

## Invitation to Webinar\_6th OCT 2021 Invitation



HOD Mechanical Engineering <hod.mech@rajalakshmi.edu.in> Chronical Eng

Dear all, Warm Greetings!

The Department of Mechanical Engineering would like to invite you to the webinar on 'Recent Developments and Industrial Applications of Non Destructive testing'. Kindly join us by clicking the below link: -

https://meet.google.com/xik-fekr-wbk

Time: 01:00 PM Date: 6th OCT 2021 Platform: Google meet. Speaker: Mr S Kalimuthu/Senior Manager/Webtec Corporation

Regards, HOD/MECH. 044-67<mark>181</mark>005



S.N. Hunger

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.



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### **Profile of Resource Persons**



Name: Mr. S. KALIMUTHU Educational Qualification: B.E.,(Mechanical) Technical Qualification in Welding: IWE, IWT, CSWIP 3.1 Technical Qualification in NDT: ISO 9712 Level 2 in RT, MT, PT, VT ASNT Level 2 in RT, MT, PT, VT, UT

Current Position: Senior Manager at Wabtec corporation

Work Experience: Over 15 years' experience in welding process development and control in Defense Equipments, Mining Equipments, Power plant Equipments, Ship Building, Oil and Gas Industry



J. D. Humps

### **Program Schedule**

S.no	Date	Торіс	Speaker Details		
1	06.10.2021	Recent Developments and Industrial Applications of Non - Destructive testing	<b>Mr. S. Kalimuthu,</b> Senior Manager Wabtec corporation		

S. U. Humps



J.D. Henry

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE

ENGINEE

RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS) 602 105. DEPARTMENT OF MECHANICAL ENGINEERING A WEBINAR ON "RECENT DEVELOPMENTS AND INDUSTRIAL APPLICATIONS OF NON-DESTRUCTIVE TESTING"

#### S.No. Section Register NAME OF THE INSTITUTION Number **STUDENT** 1. 181101017 **IV Mech A R. ARAVIND** 2. 181101157 SARANRAJ IV Mech C 3. 181101138 RAKESH I IV Mech C 4. 181101073 IV Mech B JAYAVARSHAN N 5. 181101134 **RAHUL THILAK M R** IV Mech C 6. 181101117 PAVAN CM IV Mech C 7. 181101154 SARAN P IV Mech C 8. 181101111 NITHISH KUMAR S IV Mech C 9. 181101142 RANJIT IV Mech C 10. 181101136 **RAJESH S** IV Mech C 11. 181101064 HEMANTH KUMAR S IV Mech B 12. 181101074 JEFF ANTHONY **IV Mech B** 13. 181101072 JAYASURYA S IV Mech B 14. 181101106 IV Mech C NIRANJ KRISHNA V 15. 181101196 VIBUSHNAN V IV Mech D 16. 181101059 S.HARIHARAN IV Mech B 17. 181101135 IV Mech C **RAJESH A** 18. 181101505 RANJITH **IV Mech B** 19. 181101149 IV Mech C SAMATTHUVAN 20. 181101098 S.MANOJKUMAR IV Mech B 21. 181101108 NITESH.J IV Mech C 22. 181101025 V.ASHWIN IV Mech A 23. 181101008 ADITHYA SURESH IV Mech A 24. 181101207 IV Mech D YUVARAJAN MN 25. 181101155 IV Mech C SARAN R 26. 181101071 JAYANTH IV Mech B 27. 181101033 BASIM SHARFUDEEN IV Mech A 28. 181101035 BHARANIDHARAN R IV Mech A 29. 181101183 IV Mech D SRIVARSHAN.M

#### LIST OF PARTICIPANTS

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30.	181101146	SAHIDH KHAN B AN	AUTONOMOUS INSTITUTION
31.	181101133	J.RAGHUL	HANDALAM, CHENNAI - 502 105. IV Mech C
32.	181101198	VIGNESH M	IV Mech D
33.	181101124	V.PRATHOSH	IV Mech C
34.	181101097	MANO.K	IV Mech B
35.	<b>181101192</b>	VAHIN	IV Mech D
36.	181101507	S.PAUL VEDHA MANICKAM	IV Mech B
37.	181101140	RAMPRASATH R	IV Mech C
38.	181101531	TAMILSELVAN L	IV Mech A
39.	181101503	KARTHIK K	IV Mech B
40.	181101510	RAM VAMSI R	IV Mech A
41.	181101131	RAGHUL R	IV Mech C
42.	181101049	GOKUL V	IV Mech A
43.	181101126	PREM S	IV Mech C
44.	181101110	NITHISH KUMAR J	IV Mech C
45.	181101143	RAVINDHIRAN V S	IV Mech C
46.	181101194	D. VENKATESH PRASAD	IV Mech D
47.	181101103	MYTHRESH G	IV Mech B
48.	181101514	MANIKANDAN R	IV Mech A
49.	181101522	JAYABALAN A	IV Mech C
50.	181101161	SHARAN B	IV Mech D
51.	181101123	PRATHEEP S	IV Mech C
52.	181101506	S.BALA MURUGAN	IV Mech A
53.	181101006	J.ABHINESHWAR	IV Mech A
54.	181101186	SUBRAMANIAN R	IV Mech D
55.	181101083	KAUSHIK K	IV Mech B
56.	181101105	NAVEEN RAJ. S	IV Mech C
57.	181101502	ARAVIND.K	IV Mech C
58.	181101067	ISHAN KRISHNAN	IV Mech B
59.	181101052	GOWARTHANAN R	IV Mech A
60.	181101189	SYED MUDASSIR ALI Z	IV Mech D
61.	181101047	DINAKARAN S	IV Mech A
62.	181101513	SAKTHI R	IV Mech D
63.	181101139	RAMESH M	IV Mech C

65.	181101051	GOPAL M	IV Mech A
66.	181101153	SANTHOSH SIVAN M	IV Mech C
67.	181101120	PRADEEP R	IV Mech C
68.	181101118	Т РООЛТН KANNAN	IV Mech C
69.	181101515	S SRIDHAR	IV Mech A
70.	181101101	MOHANKUMAR B	IV Mech B
71.	181101159	SATHISH KUMAR	IV Mech D
72.	181101039	CHANDRU NV	IV Mech A
73.	181101048	DIWAKAR H	IV Mech A
74.	181101114	NITISH SRINIVASAN	IV Mech C
75.	181101144	M.RISHI KANNAN	IV Mech C
76.	181101151	SANTHOSH KUMAR P	IV Mech C
77.	181101119	PRADEEP KUMAR	IV Mech C
78.	181101044	DEVAPRASANNA A	IV Mech A
79.	181101093	LOKESHKUMAR S	IV Mech B
80.	181101043	DEEPAK M	IV Mech A
81.	181101128	RAAGHAV AADITHYA R R	IV Mech C
82.	181101036	BHARATH KUMAR D	IV Mech A
83.	181101137	RAKESH A	IV Mech C
84.	181101121	A.R.PRADHEEP	IV Mech C
85.	181101130	RAGHUL	IV Mech C
86.	191101004	ABISH V R	IV Mech A
87.	181101158	SARAVANAN C	IV Mech D
88.	181101125	PREM R	IV Mech C
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#### PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

#### RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS) DEPARTMENT OF MECHANICAL ENGINEERING A WEBINAR ON "RECENT DEVELOPMENTS AND INDUSTRIAL APPLICATIONS OF NON-DESTRUCTIVE TESTING"



#### Attendance

				1.0
Timestamp	Email Address	NAME	REG NO	Section
10/6/2021 14:15:55	aravind.r.2018.mech@rajalakshmi.edu.in	R.ARAVIND	181101017	IV Mech A
10/6/2021 14:15:59	saranraj.k.2018.mech@rajalakshmi.edu.in	SARANRAJ	181101157	IV Mech C
10/6/2021 14:16:14	rakesh.i.2018.mech@rajalakshmi.edu.in	RAKESH I	181101138	IV Mech C
10/6/2021 14:16:16	jayavarshan.n.2018.mech@rajalakshmi.edu.in	JAYAVARSHAN N	181101073	IV Mech B
10/6/2021 14:16:20	rahulthilak.mr.2018.mech@rajalakshmi.edu.in	RAHUL THILAK M R	181101134	IV Mech C
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10/6/2021 14:17:26	jayasurya.s.2018.mech@rajalakshmi.edu.in	JAYASURYA S	181101072	IV Mech B
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10/6/2021 14:17:55	saran.r.2018.mech@rajalakshmi.edu.in	SARAN R	181101155	IV Mech C
10/6/2021 14:18:02	ayanth.k.2018.mech@rajalakshmi.edu.in	JAYANTH	181101071	IV Mech B
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	oharanidharan.r.2018.mech@rajalakshmi.edu.in	BHARANIDHARAN R	181101035	IV Mech A
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10/6/2021 14:18:09 sahidhkhan.b.2018.mech@rajalakshmi.edu.in	SAHIDH KHAN B	181101146 IV Mech C
10/6/2021 14:18:10 raghul.j.2018.mech@rajalakshmi.edu.in	J.RAGHUL	181101133 IV Mech CENGINEERING
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10/6/2021 14:18:27 ramvamsi.r.2018.mech@rajalakshmi.edu.in	RAM VAMSI R	181101510 IV Mech A
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10/6/2021 14:18:43 ravindhiran.vs.2018.mech@rajalakshmi.edu.in	RAVINDHIRAN V S	181101143 IV Mech C
10/6/2021 14:18:43 venkateshprasad.d.2018.mech@rajalakshmi.edu.in	D. VENKATESH PRASAD	181101194 IV Mech D
10/6/2021 14:18:44 mythresh.g.2018.mech@rajalakshmi.edu.in	MYTHRESH G	181101103 IV Mech B
10/6/2021 14:18:45 manikandan.r.2018.mech@rajalakshmi.edu.in	MANIKANDAN R	181101514 IV Mech A
10/6/2021 14:18:45 jayabalan.a.2018.mech@rajalakshmi.edu.in	JAYABALAN A	181101522 IV Mech C
10/6/2021 14:18:46 sharan.b.2018.mech@rajalakshmi.edu.in	SHARAN B	181101161 IV Mech D
10/6/2021 14:18:46 pratheep.s.2018.mech@rajalakshmi.edu.in	PRATHEEP S	181101123 IV Mech C
10/6/2021 14:18:46 balamurugan.s.2018.mech@rajalakshmi.edu.in	S.BALA MURUGAN	181101506 IV Mech A
10/6/2021 14:18:50 abhineshwar.j.2018.mech@rajalakshmi.edu.in	J.ABHINESHWAR	181101006 IV Mech A
10/6/2021 14:18:52 subramanian.r.2018.mech@rajalakshmi.edu.in	SUBRAMANIAN R	181101186 IV Mech D
10/6/2021 14:18:53 kaushik.k.2018.mech@rajalakshmi.edu.in	KAUSHIK K	181101083 IV Mech B
10/6/2021 14:19:00 naveenraj.s.2018.mech@rajalakshmi.edu.in	NAVEEN RAJ. S	181101105 IV Mech C
10/6/2021 14:19:04 aravind.k.2018.mech@rajalakshmi.edu.in	ARAVIND.K	181101502 IV Mech C
10/6/2021 14:19:05 ishan.krishnan.2018.mech@rajalakshmi.edu.in	ISHAN KRISHNAN	181101067 IV Mech B
10/6/2021 14:19:09 gowarthanan.r.2018.mech@rajalakshmi.edu.in	GOWARTHANAN R	181101052 IV Mech A
10/6/2021 14:19:10 syedmudassirali.z.2018.mech@rajalakshmi.edu.in	SYED MUDASSIR ALI Z	181101189 IV Mech D
10/6/2021 14:19:12 dinakaran.s.2018.mech@rajalakshmi.edu.in	DINAKARAN S	181101047 IV Mech A
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10/6/2021 14:19:14 ramesh.m.2018.mech@rajalakshmi.edu.in	RAMESH M	181101139 IV Mech C
10/6/2021 14:19:16 prakash.g.2018.mech@rajalakshmi.edu.in	PRAKASH G	181101517 IV Mech B
10/6/2021 14:19:18 gopal.m.2018.mech@rajalakshmi.edu.in	GOPAL M	181101051 IV Mech A

10/6/2021 14:19:22 sa	nthoshsivan.m.2018.mech@rajalakshmi.edu.in	SANTHOSH SIVAN M	181101153	IV Mech C
10/6/2021 14:19:30 pr	radeep.r.2018.mech@rajalakshmi.edu.in	PRADEEP R	181101120	IV Mech C
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Dr. S.P.Srinivasan, M.E., PhD., FIE

Prefesser & Heati Department of Mechanical Engineering, Director, Mechanical Sciences, Rajalakehmi Engineering College

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#### Webinar Photographs



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## Feedback on Webinar: "Recent Developments and Industrial Applications of Non Destructive testing"

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## Feedback on Webinar: "Recent Developments and Industrial Applications of Non Destructive testing"

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## Feedback on Webinar: "Recent Developments and Industrial Applications of Non Destructive testing"

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#### Whether the webinar met my expectations 89 responses

Are you interested in hands on training sessions on NDT 89 responses



### **Students Feedback**





Rate the quality of the content delivered 89 responses



S. L. Hungen



#### Summary of the Webinar

## Report of Webinar on "Recent Developments and Industrial Applications of Non-Destructive testing"

The department of Mechanical Engineering has organized a webinar in the topic of Recent developments and industrial applications of Non-Destructive testing to final year Mechanical students who chosen NDTE as their elective subject.

Mr. Loganathan. K and Dr.C.Devanathan had taken an initiative to organize this webinar on 06.10.2021 at 1.00 PM. Totally 89 students were attended offline and 15 faculties and students were attended online.

#### **Outcome:**

- The student participants will be able to know the latest techniques in Non-Destructive Tests and Evaluation.
- Various types of surface Non Destructive Testing Methods were discussed and students can able to understand and select which type of NDT methods should be selected and used
- Students can able to describe the various characteristics and the type of defects for different NDT methods
- •. Students can able to understand the quality and operational limits of various NDT

methods

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(K. LOGANAT HAN)



Dr. S.P.Srinivasan, M.E., PhD., FIE Professor & Head Department of Mechanical Engineering, Director, Mechanical Sciences, Rajalakshmi Engineering College

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#### **RAJALAKSHMI ENGINEERING COLLEGE**

#### **Department of Mechanical Engineering**

Expert Webinar on "Challenges to India's Energy Security"

### **Guest Lecture / Webinar Index**

Sl. No.	Details	
1	Brochure	
2	Communication with Speakers	
3	Speaker Profile	
4	List of Participants	
5	Attendance	
6	Photographs	
7	Feedback from the Participants	
8	Event Report	

J.D.Hunger



#### RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF MECHANICAL ENGINEERING

22.09.2021

#### Submitted to the Principal

It is proposed to conduct a webinar on "Challenges to India's Energy Security" on 28. September 2021. Dr. Ajith Kumar Kolar, Professor (Former), IIT Madras has accepted our request to act as a resource person for this webinar. This webinar will be useful for our Mechanical Engineering students.

Mr.P.T.Dinesh Kumar and Dr. B.Mullai Sudaroli, Assistant professor, Department of Mechanical Engineering will be acting as co-ordinators for this webinar.

Personted B/22/9/21

HOD/Mechanical

Dr. S.P.Srinivasan, M.E., PhD.,Fl& Prefessor & Head Department of Mechanical Engineering, Director, Mechanical Sciences, Rajalakohmi Engineering College

J.N.K





Webinar Brochure

J.N. Hungen



## Invitation to Webinar\_28th SEPT 2021



**HOD Mechanical Engineering** <hod.mech@rajalakshmi.edu.in> to HODs, REC, Principal, Chennai, Dean, Dean, Gopi, Muthukrishnan, Institution's

Dear all, Warm Greetings!

The Department of Mechanical Engineering would like to invite you to the webinar o

https://meet.google.com/sxq-cqcz-ukf

Time: 02:00 PM Date: 28th September 2021 Platform: Google meet. Speaker: **Prof.Ajith Kumar Kolar** Heat transfer and Thermal power IIT MADRAS.

Regards, HOD/MECH. 044-67181005





PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.



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Regards, Dr SP Srinivasan HOD/MECH. 9941168606/ 044-67181005

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#### **Profile of Resource Person**

Dr. Ajith Kumar Kolar completed his B.E. (Mechanical) at UCE Bangalore, 1969. He completed his M.Tech., at IIT Kharagpur, 1971. Then he completed his Doctorate at IIT Madras, 1977. Then he worked as Scientist, ISRO satellite Centre, Bangalore, 1977. Then he worked as Research Scientist (Post-Doc), University of Illinois at Chicago Circle, Chicago, USA, 1977-1978. After that he worked as Research Assistant Professor, New York University, USA, 1979-1982. Then he worked as faculty at IIT Madras from 1984 to 2014.

His research areas are Energy (Coal, Biomass Combustion and Gasification, Fuel Cells), Life Cycle Analysis of Energy Systems and Sustainability of Energy Systems. He acted as Chairman, Centre for Continuing Education, (2008-2014), IIT Madras. He acted as Energy Area Coordinator, Indo-German Centre for Sustainability, (2010-2014). He guided 18 research scholars in various areas of Heat Transfer and Energy and author/co-author of about 100 research publications. He acted as reviewer in various journals.

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## List of Participants

S.N.	Register No	Name of the student	
1	191101001	AADITHYA P G	
2	191101002	ABDUL ZAMEER N	
3	191101003	ABINESH S	
4	191101004	ABISH V R	
5	191101005	ADHITHYAN RAJ M	
6	191101006	ADITHYA VELLA P	
7	191101007	AKASH B	
8	191101008	AKASH R	
9	191101009	ALLAN KELVIN	
10	191101010	ANANDHA SELVAM P B	
11	191101011	ANBU G	
12	191101012	ARAVIND RAJ A	
13	191101014	ARJUN ADITHYA S V	
14	191101015	ARJUN T	
15	191101016	ASHOK KUMAR V	
16	191101017	ASHWIN BALAJI K	
17	191101018	ASHWIN KUMAR S	
18	191101019	AVINASH A R	
19	191101020	AVINASH B	
20	191101021	BALAJI B	
21	191101022	BALAJI S	
22	191101023	BARADWAJ E	
23	191101024	BASKARAN R	
24	191101025	BHUVANESH G	
25	191101026	BRIJESH M	
26	191101028	CHANDRA SEKAR S	
27	191101029	CHANDRASEKAR K	
28	191101030	DEEPAK R S	
29	191101031	DEEPAK V	
30	191101032	DEEPAN PRAKASAM	
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32	191101034	DHANUSH KIRAN M V	
33	191101035	DHANUSH VIJAY K	
34	191101036	DHILIP KUMAR A	
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37	191101039	DINESH K	
38	191101040	DINESH KUMAR T	
39	191101042	DON J P ACQUINAS	
40	191101043	GAURAV KRISHNA O A	
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43	191101502	HARI S	
44	191101503	IMMANUEL PRINCE X	
45	191101504	RITHICK SRENIVAS . K	
46	191101505	MONISHKUMAR B	
47	191101701	MADHUMANIVASAN L	
48	191101027	CATHERINE VANDHANA	
49	191101062	JESHREE R	
50	191101101	PAVITHRA R	
51	191101046	GOWTHAM S	
52	191101047	GUGHANRAJA E	
53	191101048	HARI GOPAL A R	
54	191101049	HARI PRASAD J	
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56	191101051	HARIKRISHNAN B	
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60	191101055	HARISHWARAN R	
61	191101056	HARSHA VARDHAN V	
62	191101058	HEMANTH KUMAR S	
63	191101059	JABIR HUSSAIN J	
64	191101060	JANNARTHANA BABU T	
65	191101061	JAYANTH PALANI	
66	191101063	JEYAVENKATESH J	
67	191101064	JOSHUA CHRISTOPHER	
68	191101065	JOYAL PRINCE D	
69	191101066	KAAMESHWARAN S	
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73	191101070	KANCHARLA HASHITH	
74	191101071	KANNAN M	
75	191101072	KARTHICK KUMAR P	



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76	191101073	KARTHICKRAJA A	
77	191101074	KARTHIKEYAN S	
78	191101075	KATHIRAVAN D	
79	191101076	KAVIN RAJA V	
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81	191101080	KISHORE KUMAR R	
82	191101081	KUBENDHRAN M	
83	191101082	LEELAPRATHAPAN L	
84	191101083	LINGESH KUMAR S	
85	191101085	LOKESH B	
86	191101086	LOKESH L	
87	191101087	MANIKANDAN T	
88	191101088	MANISH PRASAD K	
89	191101506	SANJAY S	
90	191101507	SURYAPRAKKASH N	
91	191101508	SIDDHARTH.S	
92	191101509	JAYAVARNAN.M	
93	191101510	GOWTHAMARAJ V	
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## **Program Schedule**

Title of the Webinar: "Challenges to India's Energy Security"

Date & Time of Webinar: 28<sup>th</sup> September 2021 @ 2.00 p.m. to 4.00 p.m.

Google Meet link: https://meet.google.com/sxq-cqcz-ukf

Venue: Main Seminar Hall

Expert speaker: Dr. Ajith Kumar Kolar

P.T. Dienigy [P.T.DINESIAKWIMPIE]

Dr. S.P.Srinivasan, M.E., PhD., FIE Professor & Head Department of Mechanical Engineering, Director, Mechanical Sciences, Rajalakehmi Engineering College



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## **List of Participants**

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85	191101085	LOKESH B	Р	
86	191101086	LOKESH L	Р	Salam Chennal St
87	191101087	MANIKANDAN T	P	
88	191101088	MANISH PRASAD K	P	J.D. Hunger
89	191101506	SANJAY S	 P	artig
90	191101507	SURYAPRAKKASH N	P	PRINCIPAL
91	191101508	SIDDHARTH.S		HMI ENGINEERING COLLEGI
92	191101509	JAYAVARNAN.M	P AN AL	TONOMOUS INSTITUTION
<u>92</u> 93	191101509	GOWTHAMARAJ V	P TH/	NDALAM, CHENNAI - 602 105.
93 94	191101511		<u> </u>	
74	191101511	TAMILSELVAN K	r	

P. Dinerhold J [P. T. DINELY KOMPR]

Dr. S.P.Srinivasas, M.E., PhD.,FIE Professor & Head Bepartment of Mechanical Engineering, Birector, Mechanical Sciences, Rajalakshmi Engineering College

## **Guest Lecture Photographs**



Dr. Ajith Kumar Kolar delivering lecture through Google-meet



Students actively attending the session





Students actively attending the session

### RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF MECHANICAL ENGINEERING FEEDBACK FORM

Name of the Participant(Optional) Guest Lecture Title Speaker Name Avinash . A.R. Challenyes to India's Emergy security Prof Ailt Kumar Kolar.

		N	 5	4	5
1 (	Overall Organization			V	
2 3	Seminar Content	-			
3 I	Interaction of speaker with Students	. s.			
4 (	Conceptual understanding			~	
5 0	On average how would you rate the Seminar				~

Signature of the Participant

RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF MECHANICAL ENGINEERING FEEDBACK FORM

Name of the Participant(Optional) Guest Lecture Title Speaker Name

Dinish, ke challinges to Indials Energy pr. Asith Kumurgeolor

k-Dand

S.NO	DESCRIPTION	1	2	3	4	5
1	Overall Organization			X		
2	Seminar Content			1.1.1	×	2
3	Interaction of speaker with Students			14	5.8	×
4	Conceptual understanding				×	
5	On average how would you rate the Seminar			1.1.1.1.1		×

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**Participants Feedback Analysis** 

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Dr. S.P.Srinivasan, M.E., Php., FIE Professor & Head Department of Mechanical Engineering, Director. Mechanical Sciences, Rajalakshmi Engineering College

J.N.M

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.



### Summary of the webinar

The objective of organizing this webinar is to create awareness among the student about energy scenario, new and renewable energy conversion technology and its impact on society. India's demand is increasing day by day as the population is increasing. Though there is different energy conversion technologies, India could not meet its energy demand. The reason is clean, renewable energy conversion technologies are under development and the existing fossil fuels are depleting in near future. India is importing coal, oil and gas from neighbour countries.

Honorable Prime Minister Modi announced Hydrogen Mission on 75<sup>th</sup> independence day. In the current scenario, it is necessary to organize a Webinar on "Challenges to India's Energy Security".

### Outcome

The event co-ordinator Mr.P.T.Dinesh Kumar and Dr.B.Mullai Sudaroli supported for all arrangement and the program started at 02:00 p.m. Dr. S.P.Srinivasan, HOD of Mechanical Engineering presented a brief introduction of the webinar and expert. Followed by Dr.Ajith Kumar Kolar. He delivered his lecture and shared his knowledge in Energy security. Students actively participated in the entire program and showed interest to explore knowledge on Energy Security.

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Dr. S.P.Srinivasan, M.E., PhD., FIE Professor & Head Department of Machanical Engineering, Director, Mechanical Sciences, Rajalakshmi Engineering College

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.





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## INDEX for Guest Lecture on Robotics and Factory Automation using <u>CIROS Software</u>

S1. No.	Details			
1	Brochure			
2	Communication with Speakers			
3	Speaker Profile (s)			
4	Program schedule			
5	List of Participants			
6	Photographs taken during the workshop			
7	Feedback from the Participants			
8	Event Report			

Dr.V.SANTHANAM, M.E.,Ph.d Professor & Head Department of Mechatronics Engineering Rajalakshmi Engineering College Thandalam Chennai-604:05

S.N. Hug





Approval Letter:

## RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF MECHATRONICS ENGINEERING

RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

1.10.2021

## Submitted to the Principal for Approval:

It is proposed to conduct a Guest Lecture on "**Robotics and Automation using CIROS Software**" on 19<sup>th</sup> October 2021. This Guest Lecture is focused on knowledge enrichment in the field of Robotics and Automation and also focused on Modern tools like CIROS Software for our Mechatronics Engineering students. I kindly request you sir to approve the proposed event.

Permittee

**HOD-Mechatronics** 

Dr.V.SANTHANAM, M.E.,Ph.d Professor & Head Department of Machatronics Engineering Rajalakshmi Engineering College Thandalam Chennai-60 < 105



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### Brochure:



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Dr.V.SANTHANAM, M.E.,Ph.d Professor & Hearl Department of Mechatronics Engineering Rajalakshmi Engineering College Trinordalam Chennai-60 - •05





### **Communication with the Speaker:**



HOD Mechatronics <hod.mct@rajalakshmiedu.in>

#### Invitation for Guest Lecture on CIROS Software. 2 messages

HOD Mechatronics <hod.mct@rajalakshmi.edu.in> To: R Ugesh <ugesh@festo.in>

Sat Oct 2, 2021 at 2:37 PM

Dear Sir,

Warm Greetings from Rajalakshmi Engineering College Chennai. With reference to our recent telephonic conversation, I would like to invite you for the webinar on CIROS software in Robotics and Automation. The program is likely to be scheduled on 19.10.2021 through google meet. Waiting for your confirmation.

**ENGINEERING COLLEGE** 

With Warm Regards,

Dr. V Santhanam Professor & Head **Department of Mechatronics Engineering**, Rajalakshmi Engineering College, Chennai.

R Ugesh <ugesh@festo.in> To: HOD Mechatronics <hod.mct@rajalakshmi.edu.in>

Dear Sir,

Thank you for the mail. I would confirm my presence for the webinar.

Mon, Oct 4, 2021 at 12:42 PM

SANTHANAM, M.E., Ph.d Professor & Head Department of Mechatronics Engineering Rajalakshmi Engineering College Thandalam Chennai-602:05



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RAJALAKSHMI ENGINEERING COLLEGE

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## **Program Schedule:**

Date: 19.10.2021

Time 10:00 AM

Meet Link: https://meet.google.com/brc-tkao-bah

Dr.V.SANTHANAM, M.E.,Ph.d Professor & Head Department of Mechatronics Engineering Rajatakshmi Engineering College Thandatam Chennai-604: 05

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

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## **List of Participants:**

S.No	Reg. No.	Name of the Student
1	191201001	Abdul Hafeel .M
2	191201002	Akash .A
3	191201003	Anand .M
4	191201004	Ansel Evander. S
5	191201005	Aravindan .N
6	191201006	Benaiah Walter John
7	191201007	Chandni .D.N
8	191201008	Christan Rayan
9	191201009	Daniel Sam
10	191201010	Deepak .G
11	191201011	Dhikshith .S
12	191201012	Gokulakrishna .A
13	191201013	Gopala Krishnan .M
14	191201014	Hari .S
15	191201016	Janani .E.L.
16	191201017	Jaswant Kumar .S.R.
17	191201018	Javagar .D
18	191201019	Jawakhar .N
19	191201020	Jayakrishanth .R
20	191201021	Jayaram Krishna R N
21	191201022	Johanth .P.S.
22	191201023	Kamal .M
23	191201024	Keerthiyasan .S
24	191201025	Krithik Sankar .R
25	191201026	Mohammed Asan Wazila .K
26	191201027	Muthukkaruppan .S
27	191201028	Naresh Kumar .O
28	191201029	Naveen Raj U M
29	191201030	Niranjan S
30	191201031	Nithick Roshan P
31	191201032	Nithin Rajan N
32	191201032	Prabhu S
33	191201034	Prakash P
34	191201036	Reshvanth V
35	191201037	Rhijaz K P
36	191201038	Sanjay M
37	191201039	Satiya Narayanan R

SANTHANAM, M.E., Ph.d Ũr. Professor & Head



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Rajalakshmi Engineering College Thandalam Chennai-60 / .05

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## RAJALAKSHMI ENGINEERING COLLEGE

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38	191201040	Sathyanarayanan R	
39	191201041	Senthuran B	
40	191201042	Sepastin Joshi R	
41	191201044	Smiruthe Karthikeyan	
42	191201045	Spargen Paul Raj D	
43	191201046	Sri Vickyath	
44	191201047	Srivatsan S	
45	191201048	Subin S	
46	191201050	Sushyam N	
47	191201051	Thulasi Ram S	
48	191201052	Vidhya Lakshmi M	
49	191201053	Vijayakumar S	
50	191201501	Aravind R	
51	191201502	Rahul V	
52	191201503	Rupesh Kanna	
53	191201504	Sanjay H	
54	191201505	Sanjay M	
55	191201506	Sathayanarayanan J	
56	191201507	Sathayanarayanan V	
57	191201508	Sharanraj C	
58	191201509	Vivin T S	
59	191201510	Viswa Subash	
60	191201512	Pradeep C	

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DEV.SANTHANAM, M.E., Ph.d Professor & Head Department of Mechatronics Engineering Rajalakshmi Engineering College Thandalam Chennai-60 < 05

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## **Attendance of Participants:**

		Department of Mechatronics Enginee	
	Gue	st Lecture _ Attendance Sheet - 19.1	
S.No Reg. No.		Name of the Student	Attendance (19/10)
1	191201001	Abdul Hafeel .M	/
2	191201002	Akash .A	
3	191201003	Anand .M	
4	191201004	Ansel Evander. S	
5	191201005	Aravindan .N	
6	191201006	Benaiah Walter John	/
7	191201007	Chandni .D.N	/
8	191201008	Christan Rayan	/
9	191201009	Daniel Sam	/
10	191201010	Deepak .G	1
11	191201011	Dhikshith .S	1
12	191201012	Gokulakrishna .A	/
13	191201013	Gopala Krishnan .M	1
14	191201014	Hari .S	1
15	191201016	Janani .E.L.	1
16	191201017	Jaswant Kumar .S.R.	1
17	191201018	Javagar .D	1
18	191201019	Jawakhar .N	1
19	191201020	Jayakrishanth .R	1
20	191201021	Jayaram Krishna R N	/
21	191201022	Johanth .P.S.	1
22	191201023	Kamal .M	1
23	191201024	Keerthivasan .S	
24	191201025	Krithik Sankar .R	1
25	191201026	Mohammed Asan Wazila .K	/
26	191201027	Muthukkaruppan .S	/
27	191201028	Naresh Kumar .O	/
28	191201029	Naveen Raj U M	
29	191201030	Niranjan S	1
30	191201031	Nithick Roshan P	1
31	191201032	Nithin Rajan N	1
32	191201033	Prabhu S	1
33	191201034	Prakash P	A
34	191201036	Reshvanth V	/

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Dr.M.SANTHANAM, M.E., Ph.d

Professoria near Department of Mechatronics Engineering Rajalakshmi Engineering College Thandalam Chennai-60 < +05



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			1
35	191201037	Rhijaz K P	
36	191201038	Sanjay M	
37	191201039	Sathya Narayanan R	
38	191201040	Sathyanarayanan R	
39	191201041	Senthuran B	1
40	191201042	Sepastin Joshi R	
41	191201044	Smiruthe Karthikeyan	/
42	191201045	Spargen Paul Raj D	1
43	191201046	Sri Vickyath	1
44	191201047	Srivatsan S	
45	191201048	Subin S	
46	191201050	Sushyam N	1
47	191201051	Thulasi Ram S	1
48	191201052	Vidhya Lakshmi M	1
49	191201053	Vijayakumar S	1
50	191201501	Aravind R	1
51	191201502	Rahul V	1
52	191201503	Rupesh Kanna	/
53	191201504	Sanjay H	
54	191201505	Sanjay M	1
55	191201506	Sathayanarayanan J	
56	191201507	Sathayanarayanan V	/
57	191201508	Sharanraj C	1
58	191201509	Vivin T S	1
59	191201510	Viswa Subash	/
60	191201512	Pradeep C	

Dr.V.SANTHANAM, M.E., Ph.d. Profesion & Head Department of Machatronics Engineering Rajalakshmi Engineering College



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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE

THANDALAM, CHENNAL- 602 105.



## Photograph:



A Screenshot of the Speaker Mr Ugesh, explaining about Robotics Simulation Concepts.

Dr.V.SANTHANAM, M.E.,Ph.d. Professor & Head Department of Mechatronics Engineering Rajalakshmi Engineering College Thandatam Chennal-60 < 405

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 502 105.

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Sample Feedback:

## **RAJALAKSHMI ENGINEERING COLLEGE (Autonomous)**

RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

Department of Mechatronics Engineering

EVENT FEEDBACK FORM

Name of the Student	1 planakarihaa. A.		
Roll Number	191201012		
Year/Sec/Batch	11 / 2019 - 2023.		
Date of Event	Robotice and tutomaters using C11208 square. (19-10		
Title of Event	ga 19.10.2021. Robotice & Automation using error.		
Type of Event	guin lecture		

3. Disagree

Please respond to the following statements by using the 3-point rating scale to indicate the extent to which you agree or disagree with each statement. Please tick the number that applies.

1.	Strongly Agree	2. Agree	
----	----------------	----------	--

1.	Outcome of the Event was clearly stated and met	1/	2	3
2.	The event was well organized	1/	2	3
3.	The event helped me to learn how to work effectively with peers.	1/	2	3
4.	. The information presented was relevant and useful		2	3
5	The presenter(s) guided the event with enough time in clearing the doubts.	1	2	3
6.	I would recommend this event to our future batches	1-	2	3
	I recommend this event for skill development	11	2	3

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AN AUTONOMOUS INSTITUTION

Dr. V.SANTHANAM, M.E., Ph.d Professor & Head Department of Mechatronics Engineering Rajalakshmi Engineering College Thandatam Chennai-60 < -05

J. N. Hungon



Sample Feedback:

## **RAJALAKSHMI ENGINEERING COLLEGE (Autonomous)**

Department of Mechatronics Engineering

EVENT FEEDBACK FORM

Name of the Student	Psadeerp. C.
Roll Number	191201512
Year/Sec/Batch	1) 2019-2023 Batch.
Date of Event	19.10-2024
Title of Event	Roborii and Automation uning CIRUS Software.
Type of Event	gun-leetter.

Please respond to the following statements by using the 3-point rating scale to indicate the extent to which you agree or disagree with each statement. Please tick the number that applies.

3. Disagree

1. Strongly Agree 2. Agree

	Outcome of the Event was clearly stated and met	$\sqrt{1}$	2	3
	The event was well organized	-71	2	3
3. The event helped me to learn how to work effectively with peers.			2	3
4.  '			2	3
5. The presenter(s) guided the event with enough time in clearing the doubts.			2	3
	I would recommend this event to our future batches		2	3
	I recommend this event for skill development	71	2	3

SANTHANAM, M.E., Ph.d Professor & Hearl Department of Mechatronics Engineering Rajalakshmi Engineering College Thandalam Chennai-60 - 105



J. D. Humps



## **Feedback Analysis**

Q No	Question	Strongly Agree	Agree	Disagree
1,	Outcome of the Event was clearly stated and met	60	-	
2.	The event was well organized	58	2	-
3.	The event helped me to learn how to work effectively with peers.	55	5	
4.	The information presented was relevant and useful	58	2	-
5.	The presenter(s) guided the event with enough time in clearing the doubts.	60	3 <b>-</b>	÷
6.	I would recommend this event to our future batches	59	1	
7.	I recommend this event for skill development	54	6	-





## Event Report:

Name of the Event	Robotics and Automation using CIROS Software	
Type of Event	Webinar	
Resource Person	Mr. R Ugesh - Festo	
Date(s) of Program	19.10.2021	
Organizer	REC	
No. of Participants	60	

## Summary:

The students were given initially given concepts of Robotics, Automaton and recent software's used in Industry. The speaker then introduced CIROS software, its uniqueness, features, its tools in robotics and automation. The students were keen on the software and the session was interactive. 60 students participated in the event.

## **Outcome:**

- 1. Role of software in Robotics and Automation
- 2. Introduction to CIROS Software.

trent Coordinator

\*\*\*\*

ANTHANAM, M.E., Ph.d Professor & Head Department of Mechatronics Engineering Rajalakshmi Engineering College Thandalam Chennai-60 / .05

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## INDEX on Guest Lecture on Mechatronics Engineering Future Scope

S1. No.	Details		
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2	Brochure		
3	Speaker Profile (s)		
4	Program schedule		
5	List of Participants		
6	Attendance		
7	Photographs taken during the workshop		
8	Feedback from the Participants		
9	Event Report		

Dr.V.SANTHANAM, M.E.,Ph.d Professor & Head Department of Mechatronics Engineering Rajalakshmi Engineering College Thandalam Chennai-60 < 105



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**Approval Letter:** 

## RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF MECHATRONICS ENGINEERING

RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

16.9.2021

## Submitted to the Principal for Approval:

It is proposed to conduct a Guest Lecture based Interactive Session on "Mechatronics Engineering Future Scope: Higher Education and Industry" on 23<sup>th</sup> September 2021. This Guest Lecture is delivered by our prestigious alumni on guidance and motivation on Entrepreneurship Skill development for our Mechatronics Engineering students. I kindly request you sir to approve the proposed event.

Permitten 1619121

**HOD-Mechatronics** 

Dr.V.SANTHANAM, M.E.,Ph.d Professor & Head Department of Mechatronics Engineering Rajalakshmi Engineering College Thandalam Chennai-60 < 105



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#### **Invitation Letter:**



SRIDHARAN M <sridharan.m@rajalakshmi.edu.in>

## Webinar Invitation \_ Mechatronics Engineering - Reg

#### 1 message

Thu, Sep 23, 2021 at 8:38 AM

HOD Mechatronics <hod.mct@rajalakshmi.edu.in> To: Principal REC <principal@rajalakshmi.edu.in>, "Dr VMB Dean Academics REC, Chennai" <dean.academics@rajalakshmi.edu.in>, COE REC <coe@rajalakshmi.edu.in>, Institution's Innovation Council REC <iic@rajalakshmi.edu.in>, Faculty of Mechatronics <staff\_mct@rajalakshmi.edu.in>, IQAC REC <iqac@rajalakshmi.edu.in>, Vasudevan V <vasudevan.v@rajalakshmi.edu.in>, HODs <rec.hods@rajalakshmi.edu.in>, Gopi BR <manager.it@rajalakshmi.edu.in>, Consultancy REC <consultancy@rajalakshmi.edu.in>

RAJALAKSHMI **ENGINEERING COLLEGE** An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

#### Dear Sir/Madam.

We cordially invite you all for the webinar on "Mechatronics Engineering Future Scope : Higher Education & Industry" delivered by Ms. Karuna Kyra Sudarshan, Junior Logistics Coordinator at Transcom, Vilniaus, Lithuania on 23.09.2021 (Thursday) from 10.00 am to 11.00 am. The webinar is co-organised by the Institution's Innovation Council, REC and ISTE Students' Chapter, REC.

Joining info Join with Google Meet meet.google.com/bzf-wwvu-gmd

With regards, Dr.V. Santhanam, Professor & Head, Department of Mechatronics Engineering Rajalakshmi Engineering College (Autonomous), Thandalam Phone : +91 9840166401



23.09 - Webinar.jpg 196K

Dr.V.SANTHANAM, M.E., Ph.d. Professor & Head Department of Mechatronics Engineering Hujalakshmi Engineering College Fnandalam Chennai-60 / 105



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

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## **Brochure:**





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## **Speaker Profile:**

Karuna Kyra Sudarshan, a distinguished alumnus of Mechatronics Department, was the Chief Guest for the session. She has undergone MS degree in James Cook University, followed by working as Junior Logistics Coordinator in Transcom, Ludhiana.

Dr.V.SANTHANAM, M.E.,Ph.d. Professor & Head Department of Mechatronics Engineering Rajalakshmi Engineering College Thandalam Chennai-60 < :05





RAJALAKSHMI ENGINEERING COLLEGE

An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

**Program Schedule:** 

Date: 23.9.2021 Time 10:00 AM

Meet Link: meet.google.com/bzf-wwu-gmd

Dr.V.SANTHANAM, M.E.,Ph.d Professor & Head Department of Mechatronics Engineering Rajalakshmi Engineering College Thandalam Chennai-60 < 105



J. D. Hung



## List of Participants:

S.No	Reg. No.	Name of the Student
1	191201001	Abdul Hafeel .M
2	191201002	Akash .A
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32	191201033	Prabhu S
33	191201034	Prakash P
34	191201036	Reshvanth V
35	191201037	Rhijaz K P
36	191201038	Sanjay M
37	191201039	Sathya Narayanan R

1 Dr. SANTHANAM, M.E., Ph.d Professor & Head

Department of Mechatronic Rajalakshmi Engineering College Thandalam Chennai-607:05

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## RAJALAKSHMI ENGINEERING COLLEGE

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38	191201040	Sathyanarayanan R
39	191201041	Senthuran B
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51	191201502	Rahul V
52	191201503	Rupesh Kanna
53	191201504	Sanjay H
54	191201505	Sanjay M
55	191201506	Sathayanarayanan J
56	191201507	Sathayanarayanan V
57	191201508	Sharanraj C
58	191201509	Vivin T S
59	191201510	Viswa Subash
60	191201512	Pradeep C

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Dr.V.SANTHANAM, M.E., Ph.d. Professor & Hearl Department of Mechatronics Engineering slakshini Engineering College Thandalam Cheonal-607 (05

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## RAJALAKSHMI ENGINEERING COLLEGE

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## Attendance of Participants:

		SHMI ENGINEERNIG COLLEGE	
	D	epartment of Mechatronics Enginee	ring
		st Lecture _ Attendance Sheet – 23.	Attendance
S.No	Reg. No.	Name of the Student	Attendance
1	191201001	Abdul Hafeel .M	
2	191201002	Akash .A	
3	191201003	Anand .M	
4	191201004	Ansel Evander. S	
5	191201005	Aravindan .N	/
6	191201006	Benaiah Walter John	
7	191201007	Chandni .D.N	
8	191201008	Christan Rayan	1
9	191201009	Daniel Sam	/
10	191201010	Deepak .G	1
11	191201011	Dhikshith .S	1
12	191201012	Gokulakrishna .A	1
13	191201013	Gopala Krishnan .M	/
14	191201014	Hari .S	1
15	191201016	Janani .E.L.	/
16	191201017	Jaswant Kumar .S.R.	1
17	191201018	Javagar .D	1
18	191201019	Jawakhar .N	1
19	191201020	Jayakrishanth .R	1
20	191201021	Jayaram Krishna R N	1
21	191201022	Johanth .P.S.	1
22	191201023	Kamal .M	/
23	191201024	Keerthivasan .S	/
24	191201025	Krithik Sankar .R	/
25	191201026	Mohammed Asan Wazila .K	/
26	191201027	Muthukkaruppan .S	1
27	191201028	Naresh Kumar .O	1
28	191201029	Naveen Raj U M	1
29	191201030	Niranjan S	/
30	191201031	Nithick Roshan P	/
31	191201032	Nithin Rajan N	1
32	191201033	Prabhu S	1
33	191201034	Prakash P	1
34	191201036	Reshvanth V	

Dr.V.S.ANTHANAM, M.E., Ph.d

Department of Mechatronics Engineering Rajalakshmi Engineering College Thandalam Chennai-60 - 05



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35	191201037	Rhijaz K P	/
36	191201038	Sanjay M	/
37	191201039	Sathya Narayanan R	A
38	191201040	Sathyanarayanan R	
39	191201041	Senthuran B	/
40	191201042	Sepastin Joshi R	/
41	191201044	Smiruthe Karthikeyan	1
42	191201045	Spargen Paul Raj D	1
43	191201046	Sri Vickyath	1
44	191201047	Srivatsan S	A
45	191201048	Subin S	1
46	191201050	Sushyam N	1
47	191201051	Thulasi Ram S	1
48	191201052	Vidhya Lakshmi M	2
49	191201053	Vijayakumar S	1
50	191201501	Aravind R	1
51	191201502	Rahul V	1
52	191201503	Rupesh Kanna	1
53	191201504	Sanjay H	
54	191201505	Sanjay M	1
55	191201506	Sathayanarayanan J	1
56	191201507	Sathayanarayanan V	/
57	191201508	Sharanraj C	1
58	191201509	Vivin T S	1
59	191201510	Viswa Subash	1
60	191201512	Pradeep C	/.

Dr.V.SANTHANAM, M.E., Ph.d Professor & Head Department of Mechatronics Engineering Rajalakshmi Engineering Collage Thandalam Chennai-60 - -05



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**Photograph:** 



ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

A screenshot of the Speaker Karuna Kyra Explaining the process of Industry needs

Dr.V.SANTHANAM, M.E., Ph.d Professor & Head Department of Mechatronics Engineering Rajalakshmi Engineering College Thandalam Chennai-60 / .05



S.N. Hungan


Sample Feedback:

# **RAJALAKSHMI ENGINEERING COLLEGE (Autonomous)**

Department of Mechatronics Engineering

EVENT FEEDBACK FORM

Subin 3
191201048
Til / 2019 - 2023
23/9/21
Mechatronics engo Suture scope
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Please respond to the following statements by using the 3-point rating scale to indicate the extent to which you agree or disagree with each statement. Please tick the number that applies.

1. Strongly Agree 2. Agree 3. Disagree

1.	Outcome of the Event was clearly stated and met	Y	2	3
2.	The event was well organized	4	2	3
3.	The event helped me to learn how to work effectively with peers.	4	2	3
4.	The information presented was relevant and useful	Y	2	3
5.	The presenter(s) guided the event with enough time in clearing the doubts.	T	2	3
б.	I would recommend this event to our future batches	Y	2	3
7.	I recommend this event for skill development	J	2	3

Dr.M.SANTHANAM, M.E.,Ph.d Professor & Head Department of Mechatronics Engineering Rajalakshmi Engineering College Thandalam Chennai-60/2005



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# Sample Feedback:

# **RAJALAKSHMI ENGINEERING COLLEGE (Autonomous)**

Department of Mechatronics Engineering

EVENT FEEDBACK FORM

RAJALAKSHMI **ENGINEERING COLLEGE** An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chemiai

Aravind R.
191201501
lii year - 2019 - 2023.
23/9/2024
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ond to the following statements by using the 3-point rating scale to indicate the extent to which you agree or disagree with each statement. Please tick the number that applies.

1.	Strongly Agree	2. Agree	3. Disagree
----	----------------	----------	-------------

1,	Outcome of the Event was clearly stated and met	1	2	
2.	The event was well organized	1	2	
3.	The event helped me to learn how to work effectively with peers.		2	3
4.	The information presented was relevant and useful	1/	2	3
5	The presenter(s) guided the event with enough time in clearing the doubts.	V	2	3
	I would recommend this event to our future batches	1/	2	3
7.	I recommend this event for skill development	1	2	3

Dr.V.SANTHANAM, M.E., Ph.d. Professor & Head Department of Mechatronics Engineering Rajalakshmi Engineering College Thandalam Chennal-60 . .05



J. D. Humpon



### **Feedback Analysis**

Q No	Question	Strongly Agree	Agree	Disagree
1.	Outcome of the Event was clearly stated and met	60		-
2.	The event was well organized	58	2	-
3.	The event helped me to learn how to work effectively with peers.	55	5	-
4.	The information presented was relevant and useful	58	2	-
5.	The presenter(s) guided the event with enough time in clearing the doubts.	60	<b>.</b>	-
6.	I would recommend this event to our future batches	59	1	7
7,	I recommend this event for skill development	54	6	-



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### **Event Report:**

Name of the Event	Mechatronics Engineering Future Scope: Higher Education and Industries
Type of Event	Webinar
Resource Person	Karuna Kyra Sudersan
Date(s) of Program	23.9.2021 (10:00 AM to 12:00 PM)
Organizer	REC
No. of Participants	60

#### Summary:

The webinar was focused on the scope of mechatronics engineering in the field of Industry and Higher Studies in foreign university. The speaker well introduced herself and began the presentation with role of Mechatronics in Higher studies, Industries looking for mechatronics graduate for jobs, skills required as a mechatronics Engineer. The session was informative and much interactive with the students.

#### Outcome:

- 1. Role of Mechatronics in Industry
- 2. Exposure of Mechatronics in Foreign university

\*\*\*\*

Event Coordination.

Dr.V.SANTHANAM, M.E.,Ph.d. Professor & Head Department of Mechatronics Engineering Rajalakshmi Engineering College Thandalam Chennai-604 105

J. W. Hungon

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### Webinar on Web Application Architecture on 28<sup>th</sup> may 2022 Index

Sl. No.	Details
1	Approval Letter
2	Brochure
3	List of Participants & Attendance
4	Feedback from the Participants
5	Feedback Analysis
6	Presentation Slides/Materials (if available)
7	Event Report





#### **RAJALAKSHMI ENGINEERING COLLEGE**

# DEPARTMENT OF INFORMATION TECHNOLOGY

20.05.2022

#### Submitted to the Principal

Dear Sir/Madam,

The Department of Information Technology in association with IIC is organizing a **Webinar** on Web Application Architecture on 28<sup>th</sup> may 2022 at ONLINE MODE between 10.00 Am to 12 pm by Mr.Rajiv K L. Herewith I have attached the details of the workshop.

alus. oralle PROFESSOR & HEAD / INFORMATION TECHNOLOGY Dr. R.G. SAKTHIVELAN Ph.D., PROFESSOR & HEAD DEPT.OF INFORMATION TECHNOLOGY RAJALAKSHMI ENGINEERING COLLEGE THANDALAM - 602 105

Silo.







INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

# WEBINAR

10:00 AM to 12.00 PM 28<sup>th</sup> MAY, 2022

on

# WEB APPLICATION ARCHITECTURE

Organized by Department of IT & AIML

In association with Institution's Innovation Cell, REC Industry Institute Interaction Cell, REC

# Speaker:

Mr. Rajeev KL Web BackEnd Engineer Placibo



https://meet.google.com/wdm-yctq-adm



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# RAJALAKSHMI ENGINEERING COLLEGE

Department of Information Technology

S. No.	Roll No.	Name	Branch	ATTENDANCE	
1	191001034	Keerthana G	ITA	Р	
2	191001035	Keshika B	ITA	Р	
3	191001036	Kritika Maheswaran	IT A	Р	
4	191001037	Kuzhali S	IT A	Р	
5	191001038	Lakshmi Priya R	ITA	Р	
6	191001039	Lenin S	ITA	P	-
7	191001040	Lesha S	ITA	Р	
8	191001041	Logesh G	ITA	р	-
9	191001042	Madhavan V	ITA	Р	-
10	191001043	Magesh G	ITA	Р	
11	191001044	Manishankar S	IT A	Р	-
12	191001045	Manoj R	ITA	Р	-
13	191001047	Megha V	ITA	P ~	-
14	191001049	Nandha Kumar P	ITA	Ρ	-
15	191001050	Nareysh J	ITA	Р	-
16	191001051	Naveen Kumar G	ITA	P	-
17	191001052	Naveen N	ITA	P	-
18	191001053	Naveen U	ITA	μ	-
19	191001054	Neelambiga S	ITA	P	-
20	191001055	Niranjan B	ITA	P	-
21	191001076	Rupesh S	ІТВ	P	-
22	191001077	Sai Vignesh P J	ITB ·	р*	-
23	191001078	Samyuktha G S	ITB	P	
24	191001079	Sanjay Kumar R NRI	ITB		_
25	191001080			P	-
26	191001081	Sanjayraja M	IT B	Р	-
20	191001001	Sanjay Vignesh H	IT B	Р	
27	191001082	Sankara Narayanan S	:T B	Р	
28	191001083	Santosh S	IT B	Р	1
29	191001084	Santhosh Sivam N	IT B	P	-
30	191001085	Sarvesh K	ITB	P	-
31	191001086	Senthilnathan U	ITB	P	-
32	191001087	Shaina Sheethal M J	ITB	P	-
33	191001088	Sharmila M	ITB	P	-
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38	191001093	Sibihirithik K	IT-B	RN AUTONO	JULIS INSTITUTION
39	191001094	Sneha T	ITB	P THANDALAN	CHENNAI - 602 105.
40	191001095	Sreevarshini S	IT B	Р	
41	191001096	Srinivas S	ITB	P	1
42	201001045	LAKSHMI S	ITA	Р	
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49	201001053	MAHAAN MITHRAR H	IT A	Р
50	201001054	MAHALAKSHMI M	IT A	Р
51	201001055	MAKESHWARAN P B	ITA	Р
52	201001056	MANONMANI R	IT A	Р
53	201001057	MANU S	ITA	Р
54	201001058	MOHAMED ASHRAF S	ITA	р
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56	201001060	MOHAN RAJ B	ITA	P
57	201001061	MUKESHWAR J	ITA	P
58	201001062	MUTHUSAMY S	ITA	P
		NAFIYA THEHREEM ZAKIR		
59	201001063	AHMED	IT A	Р
60	201001064	NANTHA KUMAR A	IT B	P
61	201001066	NIVETHA P	IT B	P
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76	201001081	RAMGOPAL V	ITB	P
77	201001099	SHARATH VENKAT D C	ITB	P
78	201001100	SHREYAS N	IT B	P
79	201001101	SHRI VARSHAN K	ITB	P
80	201001102	SHWETHA T	ITB	P
81	201001103	SIDHARTH K	ITB	P
82	201001104	SRI SAI RA E	ITB	P
83	201001105	SRI SHAKTHI PRIYA C S	IT B	P
84	201001106	SRINIKETH R	IT B	P
85	201001107	SRIVISHAL S P	IT B	P
86	201001108	SUBASRI V	IT B	P
87	201001109	SUMAN GIRIVASAN M	IT B	P
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88	201001110	SURRIYA NARAYANAN S	IT B	P J. N. Muf
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95	201001117	VIGNESH PRABHAKAR	IT B	Р
96	201001118	VIGNESHWAR A	IT B	Р
97	201001119	VIJAY R	IT B	Р
98	201001120	VINITH KUMAR P	IT B	P
99	201001121	VISHNU V	IT B	Р
100	201001122	VISVESH B	IT B	Р
101	201001123	YASHVANDANA M	IT B	Р
102	201001124	YOGADHARSHINI S	IT B	Р
103	201001125	YUVARAAJ B	IT B	Р
104	201001504	ROHITHKUMAR S	IT A	Р
105	201001503	DEENATH INBA RAJ M	IT A	Р
106	2010010505	SURYA RAJ	ITA	Р
107	201001506	KEREN ROSHAN GAJAPATHY R	ITA	р

Dr. J. Kayalizhi Ap(s4)| ET REC

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# Feedback Form on Workshop 2021-2022

Student Name: Megha V							
Year / Section	II year / A	Academic Year	2021-2022				
Name of the Guest	MA. Rajeev KL	Date of the Lecture	20th Mary 2022				
Topic of the lecture	Neb Application Azchited ure	Duration	10:30 Am to 1200				

Sl. No	Description	excellent	V.good	good	avera ge
1	How did you find the topic?				
2	How did you find the quality of content?		~		
3	Did you find content of topic of Workshop sufficient?			$\checkmark$	
4	Did you find duration for the Workshop sufficient?	~			
5	How did you find the knowledge level of presenter?				
6	Did you here presenter's voice clearly?			~	
7	Was the presenter able to explain properly?	~			
8	Did you find satisfied answers to your questions?			~	
9	Did you see all slides clearly?		1		
10	Were they readable and helpful for Workshop?	~			
11	Did you get additional knowledge from the Workshop?		~		
12	Do you feel a good career opportunity in presented technology?			/	

Mention few points you have learnt from the lecture

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# Feedback Form on Workshop 2021-2022

#### STUDENT NAME : Pavin C.

Year / Section	11 / B	Academic Year	2021-2022
Name of the Guest	Mr. Rajeev KL	Date of the Lecture	20.05.2022
Topic of the lecture	Web Application Aschitecture	Duration	10:30 am -12 pm

SI. No	Description	excellent	V.good	good	avera ge
1	How did you find the topic?	~			
2	How did you find the quality of content?	~			
3	Did you find content of topic of Workshop sufficient?		1		
4	Did you find duration for the Workshop sufficient?		/		
5	How did you find the knowledge level of presenter?	~			
6	Did you here presenter's voice clearly?		1		
7	Was the presenter able to explain properly?	$\checkmark$			
8	Did you find satisfied answers to your questions?	1			
9	Did you see all slides clearly?	1			
10	Were they readable and helpful for Workshop?		/		
11	Did you get additional knowledge from the Workshop?	~			
12	Do you feel a good career opportunity in presented technology?	/			

Mention few points you have learnt from the lecture

The Lecture was very informative and interesting. It has provided us with a lot of information about web Application Arch. J. L. Hunge

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### FEEDBACK ANALYSIS FOR WORKSHOP













# What is Web Application Architecture?

The web application architecture describes the interactions between applications, databases, and middleware systems on the web. It ensures that multiple applications work simultaneously. Let us understand it with a simple example of opening a webpage.

As soon as the user hits the go button after typing a URL in the address bar of a web browser, it requests for that particular web address. The server sends files to the browser as a response to the request made. The browser then executes those files to show the requested page.

Finally, the user is able to interact with the website. The most important thing to note here is the code parsed by the web browser. A web app works in a similar way.

This code might or might not have specific instructions that tell the browser how to respond with respect to the different types of user inputs.

Hence, a web application architecture has to include all the sub-components as well as the external applications interchanges for the entire software application, in the aforementioned case, which is a website.

The web application architecture is indispensable in the modern world because a major portion of the global network traffic, as well as most of the apps and devices, make use of web-based communication.

A web application architecture has to not only deal with efficiency, but also with reliability, scalability, security, and robustness.

### How Does It Work?

With any typical web application, there are two different codes (sub-programs) running side-by-side. These are:

- Client-side Code The code that is in the browser and responds to some user input
- Server-side Code The code that is on the server and responds to the HTTP requests

A web developer (team) developing the web application decides as to what the code on the server will do with respect to the code in the browser. For writing server-side code, C#, Java, JavaScript, Python, PHP, Ruby, etc. are used.

Any code that is able to respond to HTTP requests has the ability to run on a server. The server-side code is responsible for creating the page that the user requested as well as storing different types of data, including user profiles and user input. It is never seen by the end-user.

A combination of CSS, HTML, and JavaScript is used for writing the client-side code. This code is parsed by the web browser. Unlike the server-side code, client-side code can be seen as well as modified by the user. It reacts to user input.



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J.N.M

The client-side code communicates only via HTTP requests and is not able to read files off a server directly.

### Web Application Components

When we say web application components, we can mean any of the following two:

- UI/UX Web Application Components This includes activity logs, dashboards, notifications, settings, statistics, etc. These components have nothing to do with the operation of a web application architecture. Instead, they are part of the interface layout plan of a web app.
- Structural Components The two major structural components of a web app are client and server sides.
- Client Component The client component is developed in CSS, HTML, and JS. As it exists within the user's web browser, there is no need for operating system or devicerelated adjustments. The client component is a representation of a web application's functionality that the end-user interacts with.
- Server Component The server component can be build using one or a combination of <u>several</u> programming languages and frameworks, including Java, .Net, NodeJS, PHP, Python, and Ruby on Rails. The server component has at least two parts; app logic and database. The former is the main control center of the web application while the latter is where all the persistent data is stored.

### **Models of Web Application Components**

Depending on the total number of servers and databases used for a web application, the model of a web app is decided. It can be any of the following three:

#### 1. One Web Server, One Database

It is the most simple as well as the least reliable web app component model. Such a model uses a single server as well as a single database. A web app builds on such a model will go down as soon as the server goes down. Hence, it isn't much reliable.

One web server, one database web application component model is not typically used for real web applications. It is mostly used for running test projects as well as with the intent of learning and understanding the fundamentals of the web application.

# 2. Multiple Web Servers, One Database (At a Machine Rather than the Web server)

The idea with this type of web application component model is that the webserver doesn't store any data. When the webserver gets information from a client, it processes the same and then writes it to the database, which is managed outside of the server. This is sometimes also referred to as a stateless architecture.

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At least 2 web servers are required for this web application component model. This is all for avoiding failure. Even when one of the web servers goes down, the other one will take charge.

All requests made will be redirected automatically to the new server and the web app will continue execution. Hence, reliability is better as compared to the single server with inherent database model. However, if the database crashes the web app will follow to do the same.

# 3. Multiple Web Server, Multiple Databases

It is the most efficient web application component model because neither the webservers nor the databases have a single point of failure. There are two options for this type of model. Either to store identical data in all the employed databases or distribute it evenly among them.

# **Types of Web Application Architecture**

A web application architecture is a pattern of interaction between various web application components. The type of web application architecture depends on how the application logic is distributed among the client and server sides.

There are three primary types of web application architecture. Each one of them is explained as follows:

 Single-Page Applications (SPAs) – Instead of loading completely new pages from the server each time for a user action, single page web applications allows for a dynamic interaction by means of providing updated content to the current page.
 AJAX, a concise form of Asynchronous JavaScript and XML, is the foundation for

enabling page communications and hence, making SPAs a reality. Because single-page desktop applications. SPAs are designed to desktop applications.

SPAs are designed in a way so that they request for most necessary content and information elements. This leads to the procurement of an intuitive as well as interactive user experience.



J.N. Hum



# DEPARTMENT OF INFORMATION TECHNOLOGY SUMMARY REPORT

#### WORKSHOP ON WEB APPLICATION ARCHITECTURE

Webinar on Web application Architecture was conducted on 28-05-2022 @10.00 am to 12 pm by the department of Information Technology in association with Institution's Innovation Cell. Mr.Rajiv K L ,Web backend Engineer, Placibo, delivered a workshop on Web application Architecture. The workshop was very informative and a total of 107 students got benefits out of the lecture.

These are the points were discussed.

Web Application Architecture

Web Application Architecture Components

What is a 3-Tier Architecture?

Layers of Modern Web Application Architecture

Advanced and Scalable Web Application Architecture

Web Application Architecture Diagram

Types of Web Application Architectures

Web Application Architecture Best Practices.

J.N.+

NAJALAKSHMI EN PAL IEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

Is was very informative and useful to the students to develop web applications.

Dr.S.Kayalvizhi AP(SG)/IT REC

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# GUESTLECTURE ON INSIGHT INTO MATLAB PROGRAMS IN DIGITAL IMAGE PROCESSING(27/12/2021)

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#### RAJALAKSHMI ENGINEERING COLLEGE

#### DEPARTMENT OF INFORMATION TECHNOLOGY

20.12.2021

#### Submitted to the Principal

Dear Sir/Madam,

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The Department of Information Technology in association with IIC is organizing a Guest lecture on " **GUESTLECTURE ON INSIGHT INTO MATLAB PROGRAMS IN DIGITAL IMAGE PROCESSING**" to be held on **27/12/2021** by DR.J. SARANYA, ASSIATANT PROFESSOR. Herewith I have attached the details of the Guest Lecture.

PROFESSOR & ENGIA

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HSD Initiative

# **GUEST LECTURE**

On

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# Insight into MATLAB programs in Digital Image Processing

Organized by Department of Information Technology

In association with Institutions Innovation Council, REC Industry Institute Interaction Cell, REC

**Dr. J Saranya** Assistant Professor Department of ECE, REC

**Dr. Sheena Christabel Pravin** Assistant Professor Department of ECE, REC

27.12.2021 10:30AM



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

J. L. Hungen

Communication with Speakers:



AUTONOMOUS INSTITUTION

DEPARTMENT OF INFORMATION

INFORMATION TECHNOLO

S. No.	Roll No.	Name	Branch	ATTENDANCE
11	201001046	LALITHESH U	IT A	P
2	201001047	LAVANYA K	IT A	P
3	201001048	MADHAN KUMAR U	IT A	Р
4	201001049	MADHANA BALAJI S	IT A	Р
5	201001051	MADHUMITHA R	IT A'	Р
6	201001052	MADHUSOODHAN T G	IT A	P
7	201001053	MAHAAN MITHRAR H	IT A	Р
8	201001054	MAHALAKSHMI M	IT A	Р
9	201001055	MAKESHWARAN P B	IT A	Р
10	201001056	MANONMANI R	IT A	P
11	201001057	MANU S	IT A	P
12	201001058	MOHAMED ASHRAF S	IT A	Р
13	201001059	MOHAMED YAHYA U	IT A	P
14	201001060	MOHAN RAJ B	IT A	P
15	201001061	MUKESHWAR J	ITA	P
16	201001062	MUTHUSAMY S	ITA	P
17	201001063	NAFIYA THEHREEM ZAKIR AHMED	ITA	P
18	201001504	ROHITHKUMAR S	IT A	P
19	201001503	DEENATH INBA RAJ M	ITA	P
20	201001054	MAHALAKSHMI.M	ITA	P
21	201001506	KEREN ROSHAN GAJAPATHY R	ITA	P
22 .	201001103	SIDHARTH K	IT B	P
23	201001104	Sri Sai Ra E	ITB	P
24	201001105	SRI SHAKTHI PRIYA C S	IT B	P
			ITB	Р
26	201001107	SRIVISHAL S P	IT B	P
27	201001108	SUBASRI V	IT B	р
28	201001109	SUMAN GIRIVASAN M	IT B	P
29	201001110	SURRIYA NARAYANAN S	IT B	Р
30	201001111	SYLESH S	IT B	Р
31	201001112	Thamizharasu p	IT B	Р
32	201001113	TINISHA A	IT B	Р
33	201001114	UGENDRABABU M	IT B	Р
34	201001115	VARUN K	IT B	Р
35	201001116	VETHIKA SRI PT	IT B	Р
36	201001117	VIGNESH PRABHAKAR	IT B	Р
37	201001118	Vigneshwar A	IT B	Р
38	201001119	VIJAY R	IT B	Р
39	201001120	VINITHKUMAR P	IT B	Р
40	201001121	VISHNU V	ІТ В	Р
41	191001035	Keshika B	IT A	Р
42	191001035	Kritika Maheswaran	IT A	P
43	191001037	Kuzhali S	ITA	Р
44	191001038	Lakshmi Priya R	ITA	P
45	191001039	Lenin S	ITA	P
46	191001040	Lesha S	ITA	P
47	191001041	Logesh G	ITA	P
48	191001042	Madhavan V	ITA	P
49	191001043	Magesh G		P

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J. N. Manpan PRINCIPAL **RAJALAKSHMI ENGINEERING COLLEGE** AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

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50	191001044	Manishankar S	IT A	P
51	191001066	Pranesh Boopathy	IT B	Р
52	191001067	Prasath R	IT B	P
53	191001068	Praveena S	IT B	P
54	191001069	Praveenkumar K	IT B	Р
55	191001070	Preethi R	IT B	P
56	191001071	Priyadharshini S B	IT B	Р
57	191001072	Rahul M	ITB	Р
58	191001073	Rajagopal Narayanan NRI	IT B	Р
59	191001074	Rishikesh K	IT B	Р
60	191001075	Rithika M	IT B	Р

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# Feedback Form on Guest Lecture Sessions 2021-2022 STUDENT NAME - ROHIT KUHAR, S

Year / Section		I Jean - A	Academic Y	ear	2021-2	1022
Name c	of the Guest	Dr. J. Savanya	Date of the Lecture		27/12/2021	
opic of the lecture Dr. Sheena Christa bel Duration			/	10: 30 AH		
SI. No		Insight into Hat Lab Description	1 1		1	avera
		Description	excellent	V.good	d good	ge
1	How did you f	ind the topic?		$\checkmark$		
2	How did you f	ind the quality of content?		V	-	1
3	Did you find co sufficient?	ontent of topic of Workshop	$\checkmark$			
4	Did you find d sufficient?	uration for the Workshop	V			
5	How did you fi presenter?	nd the knowledge level of		V		10
6	Did you here p	resenter's voice clearly?	V			
7	Was the prese	nter able to explain properly?	V			
8	Did you find sa	tisfied answers to your questions?				
9	Did you see all	slides clearly?			V	
10	Were they read	dable and helpful for Workshop?	V			
11	Did you get ade Workshop?	ditional knowledge from the		,	V	
12	Do you feel a g presented tech	ood career opportunity in nology?		V	. Rober	8 <sup>8</sup>

Mention few points you have learnt from the lecture Topic Selection was greate. Giota lot Usefull ideas for the Project. Greate Overview of concepts.



AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.



### Feedback Form on Guestlecture 2021-2022

Student Name:	VEAY.R		
Year / Section	IL 'R'	Academic Year	2021-22
Name of the Guest	Dr. J. Salance	Date of the Lecture	2712/2021
Topic of the lecture	Dr. J. Salancja J. Dr. Sheena christopel Ria In Stight into mal Lab	Duration	10:30Am

SI. No	Description	excellent	V.good	good	avera ge
1	How did you find the topic?	1			
2	How did you find the quality of content?		1		
3	Did you find content of topic of Workshop sufficient?	1			
4	Did you find duration for the Workshop sufficient?		1		
5	How did you find the knowledge level of presenter?	1			
6	Did you here presenter's voice clearly?	/			
7	Was the presenter able to explain properly?	1			
8	Did you find satisfied answers to your questions?		1		
9	Did you see all slides clearly?		1		
10	Were they readable and helpful for Workshop?				
11 -	Did you get additional knowledge from the Workshop?	/	/		
12	Do you feel a good career opportunity in presented technology?		/		

R. Wyon f:

Mention few points you have learnt from the lecture

areat presentation. indeepth knowledge

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## FEEDBACK ANALYSIS FOR GUESTLECTURE











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# **OVERALL FEEDBACK**



J. W. Humps



# RAJALAKSHMI ENGINEERING COLLEGE DEPARTMENT OF INFORMATION TECHNOLOGY EVENT PHOTOS



S. D. Humpon



# Why Image Recognition Matters

Image recognition can speed up tedious tasks and process images faster or more accurately than manual image inspection. Image recognition is a crucial technique in many applications, and is the main driver in deep learning applications like:

- Visual Inspection: Identifying parts as defective or non-defective in manufacturing can quickly inspect thousands of parts on an assembly line.
- Image Classification: Categorizing images based on the image content. This is especially useful in applications such as image retrieval and recommender systems in e-commerce.
- Automated Driving: The ability to recognize a stop sign or a pedestrian in an image is crucial to autonomous driving applications.
- Robotics: Image recognition can be used by robots to identify objects and
   enhance autonomous navigation by identifying locations or objects on their path.
  - Image recognition is the core technology at the center of these applications. It identifies objects or scenes in images and uses that information to make decisions as part of a larger system. Image recognition is helping these systems become more aware, essentially enabling better decisions by providing insight to the system.
  - Image Recognition vs. Object Detection
  - Image recognition and <u>object detection</u> are similar techniques and are often used together. Image recognition identifies which object or scene is in an image; object detection finds instances and locations of those objects in images.
  - Common object detection techniques are Faster R-CNN and YOLOv3.

# How It Works

# Techniques for Image Recognition

There are many methods for image recognition, including machine learning and deep learning techniques. The technique you use depends on the application

J.N. Hungen



but, in general, the more complex the problem, the more likely you will want to explore deep learning techniques.

#### Image Recognition Using Deep Learning

A deep learning approach to image recognition can involve the use of a convolutional neural network to automatically learn relevant features from sample images and automatically identify those features in new images.

A typical deep learning workflow for image recognition:

**Prepare Training Data**: Start with a collection of images and compile them into their associated categories. This could also include any preprocessing steps to make the images more consistent for a more accurate model.

**Create a Deep Learning Model:** While you can build a deep learning model from scratch, it may be best to start with a pretrained model that you can use as a starting point for your application. (Learn more about <u>pretrained models</u>.

Train the Model: Model training involves presenting the test data to the model. The model then iterates over the data multiple times and automatically learns the most important features relevant to the images. As the training continues, more sophisticated features will be learned by the model, until the model can accurately decipher between the classes of images in the training set.

**Test Data:** Test on new data that the model hasn't seen before to see what the model believes the image to be. If results are not what you are expecting, iterate on these four steps until the accuracy is more acceptable.

#### Image Recognition Using Machine Learning

A machine learning approach to image recognition involves identifying and extracting key features from images and using them as input to a machine learning model.

- Train Data: You start with a collection of images and compile them into their associated categories.
- Extract Features: Select the relevant features in each image. A feature
  extraction algorithm might extract edge or corner features that can be used to
  differentiate between classes in your data.

J. N. Huyon



**Create a Machine Learning Model**: These features are added to a machine learning model, which will separate these features into their distinct categories, and then use this information when analyzing and classifying new objects.

# Image Recognition Using Traditional Image Processing Techniques

Aside from deep learning and machine learning, many classic image processing methods are very effective at image recognition for some applications. Image processing techniques tend to be well suited to "pixel-based" recognition applications such as:

- **Color-based image recognition:** Often color can provide an excellent feature for image recognition. Features such as hue, saturation, and value (HSV) or red, green, blue (RGB) can provide insight into an image.
- <u>Template matching</u>: This technique uses a small image, or template, to find matching regions in a larger image.
- <u>Image segmentation</u> and blob analysis: This uses simple object properties, such as size, color, or shape.

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# DEPARTMENT OF INFORMATION TECHNOLOGY

# GUEST LECTURE ON INSIGHT INTO MATLAB PROGRAMS IN DIGITAL IMAGE PROCESSING

The guest lecture on planning for guest lecture on insight into Matlab Programs In Digital Image Processing was conducted on 27/12/2021 @ 10.30 AM by the department of Information Technology in association with institution innovation council & Industry Institute Interaction Cell. Dr. J.Saranya & Dr.Sheena Christabel pravin , Assistant Professor, Department of ECE was delivered a guest lecture on what is the Matlab Programs In Digital Image Processing .The guest lecture was very informative and a total of 60 students got benefits in IT-A & IT-B section students out of the lecture. These were discussed during the session, The image may be defined as a two-dimensional visual information that are stored and displayed. An image is created by photosensitive devices which capture the reflection light from two-dimensional surface of object in the three-dimensional real world. Each image has intensity or gray value in x – y coordinate plane. If it is finite and discrete quantities, image is called digital image. Digital image processing (DIP) has the different techniques for processing of digital images. DIP has been applying many fields with technological advances, such as Medicine, Geographical Information Technologies, Space Sciences, Military Applications, Security, Industrial Applications.

Ms. Joseliniyda Ap(SG)/IT REC



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Dr. R.G. SAKTHIVELAN Ph.D., PROFESSOR & HEAD DEPT.OF INFORMATION TECHNOLOGY RAJALAKSHMI ENGINEERING COLLEGE THANDALAM - 602 105



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# **RAJALAKSHMI** ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

### Guest Lecture on "Trends and Opportunities in Cloud Computing"

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3	Speaker Profile (s)
4	List of Participants
5	Attendance
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J. D. Hugen



# **Brochure**

RAJALAKSHMI ENGINEERING COLLEGE



INSTITUTION'S INNOVATION COUNCIL (Melicity of HRD Instative)

# 01.00 PM 13<sup>th</sup> MAY, 2022

**GUEST LECTURE** 

on

# TRENDS AND OPPORTUNITIES IN CLOUD COMPUTING

Organized by

Department of Electrical and Electronics Engineering

# In association with

Institution's Innovation Cell, REC Industry Institute Interaction Cell, REC Society of Electricals and Electronics Engineers

# Speakers:

Mr. A. Mohanasundram Accel Academy Senior Technical Trainer

Mr. C. Jijo Jacob Accel Academy Business Head

Mini seminar Hall







PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105.

J. N. Kenger
## **Communication with Speakers**

6/7/22, 11:03 AM

Rajalakshmi Engineering College Mail - Invitation for guest lecture talk



Anto Sheeba J <antosheeba.j@rajalakshmi.edu.ln>

#### Invitation for guest lecture talk

Alice Hepzibah A <alicehepzibah.a@rajalakshmi.edu.in> Fri, May 6, 2022 at 1:44 PM To: SanthaLakshmi <santhalakshmi.g@accelits.com>, JIJO JACOB C <cjljo@accelacademy.in> Cc: Ragupathy P <ragupathy.p@rajalakshmi.edu.in>, Anto Sheeba J <antosheeba.j@rajalakshmi.edu.in>

#### Dear sir / mam

We would welcome you to deliver your knowledgeable ideas on opportunities in cloud computing as a guest lecture talk on 13-5-22 to our II and III year EEE students, which will be useful for the future work .

Thank you

A.ALICE HEPZIBAH Associate Professor -EEE

6/7/22, 11:04 AM

Rajalakshmi Engineering College Mail - Fwd: Guest Lecture- Feedback



Anto Sheeba J <antosheeba.j@rajalakshmi.edu.in>

### Fwd: Guest Lecture- Feedback

Alice Hepzibah A <alicehepzibah.a@rajalakshmi.edu.in> Tue, Jun 7, 2022 at 9:43 AM To: Ragupathy.p@rajalakshmi.edu.in>, Anto Sheeba J <antosheeba.j@rajalakshmi.edu.in>

Forwarded message ------From: SanthaLakshmi <santhalakshmi.g@accelits.com> Date: Fri, Jun 3, 2022 at 5:04 PM Subject: Guest Lecture- Feedback To: Alice Hepzibah A <alicehepzibah.a@rajalakshmi.edu.in> Cc: JIJO JACOB C <cjijo@accelacademy.in>

Dear Madam,

As per our telephonic conversation, please find above the attachment for Guest Lecture Feedback.

Regards,

G.Lakshmi



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

J. W. Mempeon

From: SanthaLakshmi [mailto:santhalakshmi.g@accelits.com] Sent: 27 May 2022 12:13 PM To: 'Alice Hepzibah A' Cc: 'JLIO JACOB C' Subject: Guest Lecture- Feedback

Dear Madam,

We take this opportunity to thank & appreciate each & everyone who took immense care in organizing this event.

We are very much delighted in addressing the budding engineers who were very enthusiastic in learning new technology in this session.

It was one of our Best Experience with REC EEE Team for the wonderful hospitality – Our sincere gratitude. https://mail.google.com/mail/w/0/?ik=29240c9ed8&view=pt&search=ali8permmsgld=msg-f%3A1734947859880418966&simpl=msg-f%3A173494...

6/7/22, 11:04 AM

Rajalakshmi Engineering College Mail - Fwd: Guest Lecture- Feedback

Special thanks to Mrs. Alice mam for coordinating & following up with us for this wonderful session.

Our Sincere gratitude to Mr.Ram Reddy Sir for his involvement in attending the complete session.

Special thanks to Mr.Kamalakannan Sir for his complete support & dedication in providing the students with the best in industry through this event.

We hope to Explore synergies together with REC team in future endeavours for Skilling up students with the industry expectations.

Regards,

G.Lakshmi

J. N. Hunger



## **Speaker Profile**

Speaker Profile :

Mr. Jijo Jacob -Business Head (Accel Academy, A Division of Accel Limited)

Experienced Sales professional with a demonstrated history of working in the Education industry, information technology and services industry.

Skilled in Team Management, Sales & Marketing, Business Development, Requirements Analysis, Business Analysis, Talent Acquisition & L&D.

Started his Career as a Project Engineer in a project training Institute handling final year project for students.

Worked in many education Training Institutes as Trainer, Business Development Executive, & grown as Business Head handling Complete end to end Learning & development operations in Accel Limited.

Having keen interested in Education Domain, passionate in up skilling fresher's and Mentoring students for right programs & focused on bridging the gap between industry & academia.

In his Journey of over 12+Years in Education industry, trained, Mentored & Placed over 5000+ Engineers in domains like Cloud, Cyber Security, Server Management, Networking, Embedded Systems, IOT & more.

He has a Bachelor's degree in Electronics and Communications Engineering from Anna University affiliated college.

### Speaker Profile: Mr.A. Mohanasundaram

Mohanasundaram, B.com & MBA systems from Annamalai university, Has 24yrs of experience in IT Domain, Started career as Multimedia Faculty, Service Engineer, Technical Support, Operations Manager, Team Lead/Manager.

J. D. Mungon



#### **Professional Exposure:**

Designation	Company	Duration
Senior Technical Trainer	Accel Academy	July'19 - <u>Tilldate</u>
Lead IT – Administrator	Secude Solutions India Pvt. Ltd	Nov'18 – Jun'19,
Manager - IT	Cadd <u>Centre</u> Training Services Pvt. Ltd	Jul <sup>*</sup> 14 – Jul <sup>*</sup> 16.
Technical Lead – Support	Secude Solutions India Pvt. Ltd	Jul'08 – May'13
Team Manager - Operations	Cybernet Slashsupport	Oct'02 - Jul'08.
System Administrator	SRM Systems & Software	Jan*01 – May*02
System Administrator	Wintech Computers	May*00 Jan*01
Hardware & Networking Faculty	Accel IT Academy	Dec <sup>°</sup> 99 –May <sup>°</sup> 00
Service Engineer	Ganesha Infotech Consultants	Jan <sup>3</sup> 97 – Dec <sup>3</sup> 99
Multimedia Faculty	Info-drive Software Ltd	Oct'95 - Aug'96

Achivements: Had handled training for 10 member team from Japan.

Had trained a 5 team UAE for Data security products.

Actively involved in Designing & implementing Identity management using digital certificate & Smartcards& Email encryption for Central Bank of Syria in 2012.

Designed & implemented SAP single Sign-on for SAP landscape, for BPCL, India.

As a single person, migrated 4500 users from Linux email solution to Hybrid Email solution using Zimbra & O365, for users across PAN India.

Headed as IT Manager in company leading in Training&Education, Head quartered from Chennai.

J. D. Theypon



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10         200901010           11         200901011           12         200901012           13         200901013           14         200901016           16         200901017           17         200901018           18         200901020           20         200901020           20         200901021           21         200901023           23         200901025           25         200901027           27         200901028           28         200901029           29         200901031           31         200901032           32         200901033           33         200901035           34         200901036	ANABHAYAN SP
11200901011122009010121320090101314200901014152009010161620090101717200901018182009010202020090102020200901021212009010222220090102323200901025252009010262620090102727200901028282009010292920090103030200901031312009010323220090103534200901036	ASHIKA P G
12         200901012           13         200901013           14         200901016           15         200901016           16         200901017           17         200901018           18         200901020           20         200901021           21         200901023           23         200901025           25         200901026           26         200901027           27         200901028           28         200901029           29         200901031           31         200901033           33         200901035           34         200901036	AVINASH G R
13       200901013         14       200901014         15       200901016         16       200901017         17       200901018         18       200901020         20       200901021         21       200901022         22       200901023         23       200901025         25       200901026         26       200901027         27       200901028         28       200901029         29       200901030         30       200901031         31       200901032         32       200901035         34       200901036	BHUSHAN S
14         200901014           15         200901016           16         200901017           17         200901018           18         200901020           20         200901020           20         200901021           21         200901022           22         200901023           23         200901024           24         200901025           25         200901026           26         200901027           27         200901028           28         200901029           29         200901030           30         200901031           31         200901033           33         200901035           34         200901036	DAKSHNAMOORTHY A
15200901016162009010171720090101818200901019192009010202020090102121200901022222009010232320090102424200901025252009010262620090102727200901028282009010292920090103030200901031312009010323220090103534200901036	DEEPAK KUMAR Y
16         200901017           17         200901018           18         200901020           19         200901020           20         200901021           21         200901022           22         200901023           23         200901025           25         200901026           26         200901027           27         200901028           28         200901029           29         200901030           30         200901031           31         200901033           33         200901035           34         200901036	DEEPAK N E
1720090101818200901019192009010202020090102121200901022222009010232320090102424200901025252009010262620090102727200901028282009010292920090103030200901031312009010323220090103534200901036	DEEPAN P
18         200901019           19         200901020           20         200901021           21         200901022           22         200901023           23         200901024           24         200901025           25         200901026           26         200901027           27         200901028           28         200901029           29         200901030           30         200901031           31         200901032           32         200901035           34         200901036	DEVI PRIYA R
19         200901020           20         200901021           21         200901022           22         200901023           23         200901024           24         200901025           25         200901026           26         200901027           27         200901028           28         200901030           30         200901031           31         200901032           32         200901033           33         200901035           34         200901036	DHAMODHARAN V
19         200901020           20         200901021           21         200901022           22         200901023           23         200901024           24         200901025           25         200901026           26         200901027           27         200901028           28         200901030           30         200901031           31         200901032           32         200901033           33         200901035           34         200901036	DHINESH KUMAR T
20         200901021           21         200901022           22         200901023           23         200901024           24         200901025           25         200901026           26         200901027           27         200901028           28         200901029           29         200901030           30         200901032           31         200901033           33         200901035           34         200901036	DINESH S
21         200901022           22         200901023           23         200901024           24         200901025           25         200901026           26         200901027           27         200901028           28         200901030           30         200901031           31         200901032           32         200901035           34         200901036	ELANGOVAN S
22       200901023         23       200901024         24       200901025         25       200901026         26       200901027         27       200901028         28       200901029         29       200901030         30       200901032         31       200901032         32       200901035         34       200901036	FARHAN SUBI
23       200901024         24       200901025         25       200901026         26       200901027         27       200901028         28       200901029         29       200901030         30       200901031         31       200901032         32       200901035         34       200901036	GOKUL E
24         200901025           25         200901026           26         200901027           27         200901028           28         200901029           29         200901030           30         200901031           31         200901032           32         200901033           33         200901035           34         200901036	GUNASEKAR K
25         200901026           26         200901027           27         200901028           28         200901029           29         200901030           30         200901031           31         200901032           32         200901035           34         200901036	HARISANKAR R
262009010272720090102828200901029292009010303020090103131200901032322009010333320090103534200901036	HEMACHANDRAN S K
27       200901028         28       200901029         29       200901030         30       200901031         31       200901032         32       200901033         33       200901035         34       200901036	HEMANTH KUMAR R
28         200901029           29         200901030           30         200901031           31         200901032           32         200901033           33         200901035           34         200901036	HEMASREE B
29         200901030           30         200901031           31         200901032           32         200901033           33         200901035           34         200901036	INDHUJA R
30         200901031           31         200901032           32         200901033           33         200901035           34         200901036	JAGADESWARAN P
31         200901032           32         200901033           33         200901035           34         200901036	JAGANBALAJI T
32         200901033           33         200901035           34         200901036	JAI SREEDHAR G
33         200901035           34         200901036	JAINAM S MARDIA
34 200901036	JOTHIKA SHREE G K
	KESAVARAJ R S
25 L 200001020 L	
35 200901038	KOUSALYA K LOGESHWARAN V
<u>36</u> 200901039	
37 200901040	LOKESH KB
38         200901041           39         200901042	MADHAVAN T MADHUMITHA K



40	200901043	MADHUSRI M S
41	200901044	MANOJ S
42	200901046	MATHEW RAAJ S
43	200901047	MEENAPRIYADHARSHNI M
44	200901503	VIGNESH B (L/E)
45	200901505	PRAKASH RAJ V (L/E)
46	200901507	DHANUSH KHANTH S(L/E)
47	200901508	ANTONY AUGUSTIN A (L/E)
48	200901511	SELVA PERVIN R V (L/E)
49	200901512	HARISH (L/E)
50	200901516	SOMASUNDHARAM (L/E)

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S.NO	<b>ROLL NUMBER</b>	NAME
1	200901048	MITHUN KUMAR NJ
2	200901049	MOGESHKANNA S
3	200901050	MONICKA R S
4	200901051	MUGILAN J
5	200901052	MUTHUBALASUBRAMANIAN A
6	200901053	NITHISH J
7	200901055	PRAVIN J
8	200901056	PRIYADHARSINI V
9	200901057	PUGAL SELVAN V
10	200901058	RAGHUL G
11	200901059	RAGUDHANVANTHRI P
12	200901060	RAJASEKAR T
13	200901061	SABARINATH R
14	200901062	SAI CHARAN S A
15	200901063	SAMPURNI B
16	200901064	SANDEEP KUMAR T
17	200901065	SANJAY KRISHNA K
18	200901066	SHAKTHIARUL H
19	200901067	SHIV KARTHIK S
20	200901068	SHYAM KUMAR S
21	200901069	SIVA RAM S
22	200901071	SNEHA V
23	200901072	SNEKAVARSHINI S S
24	200901073	SOUNDHARYAAH S K
25	200901074	SOWTHAMBIKA N
26	200901075	SREENATH RAO D
27	200901076	SRIDHAR M
28	200901077	SRIMATHI R
29	200901078	SUBHALAKSHMI S



30	200901080	SWETHA S
31	200901081	SYED RAHIM S G
32	200901082	THANISH V
33	200901083	THARUN KUMAR V
34	200901085	VARSHINI V
35	200901086	VENKATAVARDHAN N S
36	200901087	VETRIVEL P
37	200901088	VIGNESH B
38	200901090	VIJAY V
39	200901091	VIJAYAPRIYA H
40	200901092	VINUDHA K
41	200901093	YAMINI V
42	200901094	DINESH M
43	-200901502	NASI PRAVEEN KUMAR (L/E)
44	200901504	BHARATHI MAHESH P (L/E)
45	200901506	KOWSHIK S(L/E)
46	200901509	VASANTHA RAJ S (L/E)
47	200901510	ARSHAD PARVEZ (L/E)
48	200901513	KIRUBANANDHAM S (L/E)
49	200901514	GOPINATH G(L/E)
50	200901515	VIGNESH PRABHUM S (L/E)
51	200901517	VIJAY BHARATHI K (L/E)

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<u>S.NO</u>	ROLL NUMBER	NAME	
1	190901001	AARTHI A	
2	190901002	ABARNA A	
3	190901003	ABINAV SUDHARSAN L R	
4	190901004	ABINAYA P	
5	190901005	ADEETH SHANTHANU T	
6	190901006	ADITHYA THARAKESH K S	
7	190901007	AJEETH V	
8	190901008	AKAASH K	
9	190901009	AKASH R	
10	190901010	AKSHAYA G	
11	190901011	AMUDHAN V	
12	190901012	ARAVIND G	
13	190901013	ARJUN N	
14	190901014	ARUMUGHA VELAN N S	
15	190901015	ARUN KUMAR M	
16	190901016	ARUN SAJETH E	
17	190901017	ARUNKUMAR S	
18	190901018	ASWIN SRINIVAS	

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19	190901019	BADRINARAYANAN K V R
20	190901020	BALA ARUN M
21	190901021	BALA ASWIN A
22	190901022	BALAGANESH J
23	190901023	BALAJI E
24	190901025	BALASUBRAMANIAN S
25	190901026	BAVITHRAN R
26	190901027	BHANU SAI ANJANEE KUMAR
27	190901028	BHARATH SUBHU K
28	190901029	BHAVANAA R S
29	190901031	DEENADHAYALAN S
30	190901032	DHAMOTHARAN S
31	190901033	DHANUSH V
32	190901034	DIWAKAR DINESH S
33	190901035	ELAVAENEIL M
34	190901036	GAUTHAM S
35	190901037	GAYADRI K
36	190901038	GAYATHRI R
37	190901040	GOKUL V
38	190901041	GURUPRAKASH S
39	190901042	GURUPRASATH S
40	190901043	HARIHARAN S
41	190901044	HARIPRASAD R
42	190901045	HARSHA VARDHAN G
43	190901046	HARSHINI K
44	190901047	JANANI P
45	190901048	JANANI S
46	190901049	JAYANTH BARATHWAJ T S
47	190901050	KARTHIKEYAN A
48	190901051	KARTHIKEYAN P
49	190901052	KISHORE T
50	190901053	MADHUMITHA V
51	190901054	MANIBALAN M
52	190901055	MANIKANDAN G
53	190901056	MANIKANDAN S
54	190901057	MIRIYALA CHARANISH
55	190901058	MOHAMED AFNAN F
56	190901059	MOHAMED FAHEEM J
57	190901501	BHALASAI JS (L/E)
58	190901504	JAYAKANTH E (L/E)
59	190901505	PRAVEEN RAJA M(L/E)
60	190901506	JAYASHREE.S (L/E)

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0	ROLL NUMBER	NAME
1	190901061	MOHANAPRIYA S
2	190901062	NANDHINI P
3	190901063	NAVEEN ANANTH R
4	190901064	NAVEEN KUMAR C
5	190901065	NAVEEN KUMAR M
6	190901066	NIRANJANI J B
7	190901067	NITHISH KUMAR S
8	190901068	NITISH KUMAR P
9	190901069	PORSELVAN J
10	190901070	PRASANA KUMAR V R
11	190901071	PRASANNA K N
12	190901072	PRASATH V
13	190901073	RAJAPRIYA Y
14	190901074	RAJESH T
15	190901075	RANJITH KUMAR K
16	190901076	RENGASAI
17	190901077	RITHISH E
18	190901078	ROHITH KUMAR V
19	190901079	RUNCHITH KRISHNA T
20	190901080	SABARINATHAN S
21	190901081	SADASIVAM R
22	190901082	SAI HARISH
23	190901083	SANDHIYA R K
24	190901084	SANGEETHA N
25	190901085	SANTHOSH NIVAS H
26	190901086	SARATH KUMAR A
27	190901087	SARO SURYA E V
28	190901088	SATISH R
29	190901089	SELVAGANESH S
30	190901090	SHAHEEN KAUSER G
31	190901091	SHRIKANTH DHANASEKARAN
32	190901092	SIDHARTH S
33	190901093	SIVAKUMAR M
34	190901094	SIVASHANMUKA NATHEN S
35	190901095	SOMA SUNDARAM P
36	190901096	SOMESHWARAN R
37	190901097	SOWMIYA P
38	190901098	SREE DINESH KUMAR S
39	190901098	SREE DIVESTI KOMAR'S
40	190901099	SRIRAM M
40	190901100	SRIRAM S
41	190901101	SRIVARSHINI D R

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43	190901103	SUBHIKSHA A M
44	190901104	SURENDAR M
45	190901105	SURYA B G
46	190901106	SYED FAIZ HUSSAIN M
47	190901107	TAMILSELVAN K
48	190901108	THANIGA KALANIDHI S
49	190901109	UMESH E
50	190901110	VENKATESAN S
51	190901111	VIGNESH C
52	190901112	VIGNESH SURESH
53	190901113	VIJAYASAARATHY M S
54	190901114	VIKRAM SIDDHARTH V
55	190901115	VIRAAJITHA M S
56	190901116	VISHAAL G
57	190901117	VISHWA KUMAR V K
58	190901118	YAMINI PRIYANGA R
59	190901119	YUGAN RAJ J
60	190901120	JARAN M
61	190901502	SURIYA M (L/E)
62	190901503	SUHASH. P (L/E)

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## **RAJALAKSHMI ENGINEERING COLLEGE**

## **Department of Electrical and Electronics Engineering**

Trends and opportunities is cloud computing on 13.05.2022 Student Feedback form

Name: Monicka, S

Date: 13.05.2022

Time: 2,45 pm

Venue: Mini Sominar Hall

Did the session meet its stated aims / objectives?	Yes	N	lo	
Did the course meet all your aims?	Yes	N	lo	
Can you use what you have learnt in your role?	Yes	N	No	
Please rate the following by circling your choice of nu 4 = Excellent 3 = Good 2 = Satisfactory 1 = Poor Session Content	mber in the box p	rovided		
Facilitator's Knowledge of the subject			~	
Facilitator was helpful, informative and approachable			~	
Information presented logically / explanations clearly given		~		
Effectiveness of practice exercises / demonstrations				
Effectiveness of practice exercises / demonstrations Session pace			4	

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of the Student J.D. Hengeon

## **RAJALAKSHMI ENGINEERING COLLEGE**

## **Department of Electrical and Electronics Engineering**

Trends and opportunities in cloud computing on. 13.05.2022

**Student Feedback form** 

Name:	Ashoka	P.G.
D		

Date: 13.05-2022

Time: 2.30 pm Venue: Mini Seminar Hall.

Did the session meet its stated aims / objectives?	Yes		N	0
Did the course meet all your aims?	Yes		N	0
Can you use what you have learnt in your role?	Yes		N	0
Please rate the following by circling your choice of n 4 = Excellent 3 = Good 2 = Satisfactory 1 = Poo Session Content		box provi	ded	
Facilitator's Knowledge of the subject				4
Facilitator was helpful, informative and approachable				~
Information presented logically / explanations clearly given				~
Effectiveness of practice exercises / demonstrations			V	
				V
Session pace				



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		RAJALAKSHMI ENGINEERIN Department of Electrical an Trends and Opportunit 13.05 Feedback	nd Electronics ies in Cloud Co .2022 Analysis	Engineering omputing	AN AUTOVIOUOU INSTITUTION	Star Life + Star
S.No	Reg No	Rating Details: Excellent - 4 , Go Name	ood - 3, Satisfae Facilitator's Subject Knowledge	Is Facilitator	Presentation & Communication	Effectiveness of Practical Session
1	200901001	ABARNAMIGAI V	4	4	4	3
2	200901002	ADHITHIYA S	4	4	4	4
3	200901003	ADHIYAMAAN S	3	4	4	3
4	200901004	AISHWARYA M	4	3	4	4
5	200901005	AKSHAYA M	3	4	4	4
6	200901006	AMIRTHAVARSHINI A	4	4	4	4
7	200901007	AMITH M	4	4	4	3
8	200901008	ANABHAYAN SP	3	4	4	4
9	200901009	ASHIKA P G	4	3	3	4
10	200901010	AVINASH G R	4	4	4	4
11	200901011	BHUSHAN S	3	4	4	4
12	200901012	DAKSHNAMOORTHY A	4	4	4	4
13	200901013	DEEPAK KUMAR Y	3	4	4	3
14	200901014	DEEPAK N E	4	4	4	4
15	200901016	DEEPAN P	4	4	4	3
16	200901017	DEVI PRIYA R	4	4	4	3
17	200901018	DHAMODHARAN V	4	4	4	4
18	200901019	DHINESH KUMAR T	3	4	4	3
19	200901020	DINESH S	4	3	4	4
20	200901021	ELANGOVAN S	3	4	4	4

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22	200901023	GOKUL E	4	4	4	3
23	200901024	GUNASEKAR K	3	4	4	4
24	200901025	HARISANKAR R	4	3	3	4
25	200901026	HEMACHANDRAN S K	4	4	4	4
26	200901027	HEMANTH KUMAR R	3	4	4	4
27	200901028	HEMASREE B	4	4	4	4
28	200901029	INDHUJA R	3	4	4	3
29	200901030	JAGADESWARAN P	4	4	4	4
30	200901031	JAGANBALAJI T	4	4	4	3
31	200901032	JAI SREEDHAR G	4	4	4	3
32	200901033	JAINAM S MARDIA	4	4	4	4
33	200901035	JOTHIKA SHREE G K	3	4	4	3
34	200901036	KESAVARAJ R S	4	3	4	4
35	200901038	KOUSALYA K	3	4	4	4
36	200901039	LOGESHWARAN V	4	4	4	4
37	200901040	LOKESH KB	4	4	4	3
38	200901041	MADHAVAN T	3	4	4	4
39	200901042	MADHUMITHA K	4	3	3	4
40	200901043	MADHUSRI M S	4	4	4	4
41	200901044	MANOJ S	3	4	4	4
42	200901046	MATHEW RAAJ S	4	4	4	4
43	200901047	MEENAPRIYADHARSHNI M	3	4	4	3
44	200901503	VIGNESH B (L/E)	4	4	4	4
45	200901505	PRAKASH RAJ V (L/E)	4	4	4	3
46	200901507	DHANUSH KHANTH S(L/E)	4	4	4	4
47	200901508	ANTONY AUGUSTIN A (L/E)	3	3	4	4
48	200901511	SELVA PERVIN R V (L/E)	4	4	4	4
49	200901512	HARISH (L/E)	4	4	4	4

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50	20090151	6 SOMASUNDHARAM (L/E)	3	4	4	4
51	200901048	MITHUN KUMAR NJ	4	4	4	4
52	200901049	MOGESHKANNA S	3	4	4	4
53	200901050	MONICKA R S	4	4	4	4
54	200901051	MUGILAN J	4	4	4	4
55	200901052	MUTHUBALASUBRAMANIAN A	4	4	4	4
56	200901053	NITHISH J	3	4	4	4
57	200901055	PRAVIN J	4	3	4	4
58	200901056	PRIYADHARSINI V	4	4	4	4
59	200901057	PUGAL SELVAN V	4	4	4	** 4
60	200901058	RAGHUL G	4	4	4	3
61	200901059	RAGUDHANVANTHRI P	4	4	4	4
62	200901060	RAJASEKAR T	3	4	4	4
63	200901061	SABARINATH R	4	4	4	4
64	200901062	SAI CHARAN S A	4	4	4	4
65	200901063	SAMPURNI B	4	4	4	3
66	200901064	SANDEEP KUMAR T	4	4	4	4
67	200901065	SANJAY KRISHNA K	3	4	4	3
68	200901066	SHAKTHIARUL H	4	3	4	4
69	200901067	SHIV KARTHIK S	3	4	4	4
70	200901068	SHYAM KUMAR S	4	4	4	4
71	200901069	SIVA RAM S	4	4	4	3
72	200901071	SNEHA V	3	4	4	4
73	200901072	SNEKAVARSHINI S S	4	3	3	4
74	200901073	SOUNDHARYAAH S K	4	4	4	4
75	200901074	SOWTHAMBIKA N	3	4	4	4
76	200901075	SREENATH RAO D	4	4	4	4
77	200901076	SRIDHAR M	3	4	4	3

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# PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

			11.21	125V 11		
78	200901077	SRIMATHI R	4	4	4	4
79	200901078	SUBHALAKSHMI S	4	4	4	3
80	200901080	SWETHA S	3	3	4	4
81	200901081	SYED RAHIM S G	4	4	4	4
82	200901082	THANISH V	4	4	4	4
83	200901083	THARUN KUMAR V	3	4	4	4
84	200901085	VARSHINI V	4	4	4	4
85	200901086	VENKATAVARDHAN N S	4	4	4	3
86	200901087	VETRIVEL P	4	4	4	4
87	200901088	VIGNESH B	3	4	4	3
88	200901090	VIJAY V	4	3	4	4
89	200901091	VIJAYAPRIYA H	3	4	4	4
90	200901092	VINUDHA K	4	4	4	4
91	200901093	YAMINI V	4	4	4	3
92	200901094	DINESH M	3	4	4	4
93	200901502	NASI PRAVEEN KUMAR (L/E)	4	3	3	4
94	200901504	BHARATHI MAHESH P (L/E)	4	4	4	4
95	200901506	KOWSHIK S(L/E)	3	4	4	4
96	200901509	VASANTHA RAJ S (L/E)	4	4	4	4
97	200901510	ARSHAD PARVEZ (L/E)	3	4	4	3
98	200901513	KIRUBANANDHAM S (L/E)	4	4	4	4
99	200901514	GOPINATH G(L/E)	4	4	4	3
100	200901515	VIGNESH PRABHUM S (L/E)	4	4	3	3
101	200901517	VIJAY BHARATHI K (L/E)	4	4	4	4
102	190901001	AARTHI A	3	4	4	4
103	190901002	ABARNA A	4	4	4	3
104	190901003	ABINAV SUDHARSAN L R	4	4	4	4
105	190901004	ABINAYA P	3	4	4	3

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190901005	ADEETH SHANTHANU T	4	4	4	3
190901006	ADITHYA THARAKESH K S	4	4	4	4
190901007	AJEETH V	4	4	4	4
190901008	AKAASH K	3	4	4	4
190901009	AKASH R	3	4	4	4
190901010	AKSHAYA G	4	4	4	3
190901011	AMUDHAN V	4	4	4	3
190901012	ARAVIND G	3	4	4	4
190901013	ARJUN N	4	4	4	4
190901014	ARUMUGHA VELAN N S	4	4	3	4
190901015	ARUN KUMAR M	4	4	4	3
190901016	ARUN SAJETH E	4	4	4	4
190901017	ARUNKUMAR S	4	4	4	3
190901018	ASWIN SRINIVAS	4	4	4	4
190901019	BADRINARAYANAN K V R	3	4	4	3
190901020	BALA ARUN M	4	3	4	- 4
190901021	BALA ASWIN A	3	4	4	4
	190901006         190901007         190901008         190901009         190901010         190901010         190901011         190901012         190901013         190901014         190901015         190901016         190901017         190901018         190901019         190901020	190901006       ADITHYA THARAKESH K S         190901007       AJEETH V         190901008       AKAASH K         190901009       AKAASH R         190901010       AKSHAYA G         190901011       AMUDHAN V         190901012       ARAVIND G         190901013       ARJUN N         190901014       ARUMUGHA VELAN N S         190901015       ARUN KUMAR M         190901016       ARUN SAJETH E         190901017       ARUNKUMAR S         190901018       ASWIN SRINIVAS         190901019       BADRINARAYANAN K V R         190901020       BALA ARUN M	190901006       ADITHYA THARAKESH K S       4         190901007       AJEETH V       4         190901008       AKAASH K       3         190901009       AKASH R       3         190901010       AKSHAYA G       4         190901011       AMUDHAN V       4         190901012       ARAVIND G       3         190901013       ARJUN N       4         190901014       ARUMUGHA VELAN N S       4         190901015       ARUN KUMAR M       4         190901016       ARUN SAJETH E       4         190901017       ARUNKUMAR S       4         190901018       ASWIN SRINIVAS       4         190901019       BADRINARAYANAN K V R       3         190901020       BALA ARUN M       4	190901006       ADITHYA THARAKESH K S       4       4         190901007       AJEETH V       4       4         190901008       AKAASH K       3       4         190901009       AKAASH R       3       4         190901010       AKSHAYA G       4       4         190901010       AKSHAYA G       4       4         190901011       AMUDHAN V       4       4         190901012       ARAVIND G       3       4         190901013       ARJUN N       4       4         190901014       ARUMUGHA VELAN N S       4       4         190901015       ARUN KUMAR M       4       4         190901016       ARUN SAJETH E       4       4         190901017       ARUNKUMAR S       4       4         190901018       ASWIN SRINIVAS       4       4         190901019       BADRINARAYANAN K V R       3       4         190901020       BALA ARUN M       4       3	190901005       ADITHYA THARAKESH K S       4       4         190901007       AJEETH V       4       4         190901008       AKAASH K       3       4       4         190901009       AKASH R       3       4       4         190901010       AKSHAYA G       4       4       4         190901010       AKSHAYA G       4       4       4         190901011       AMUDHAN V       4       4       4         190901012       ARAVIND G       3       4       4         190901013       ARJUN N       4       4       4         190901014       ARUMUGHA VELAN N S       4       4       4         190901015       ARUN KUMAR M       4       4       4         190901016       ARUN SAJETH E       4       4       4         190901017       ARUNKUMAR S       4       4       4         190901018       ASWIN SRINIVAS       4       4       4         190901019       BADRINARAYANAN K V R       3       4       4         190901020       BALA ARUN M       4       3       4



			Superior Contest	RAJAL	PRINCIPA AKSHMI ENGINEER	ING COLLEGE
123	190901022	BALAGANESH J	4 MJ08101	DUS A	N AUTONOMOUS IN THANDALAM, CHENN/	1 - 602 10 <b>5</b>
124	190901023	BALAJI E	4	4	4	3
125	190901025	BALASUBRAMANIAN S	3	4	4	4
126	190901026	BAVITHRAN R	4	3	3	4
127	190901027	BHANU SAI ANJANEE KUMAR	4	4	4	4
128	190901028	BHARATH SUBHU K	3	4	4	4
129	190901029	BHAVANAA R S	4	4	4	4
130	190901031	DEENADHAYALAN S	3	4	4	3
131	190901032	DHAMOTHARAN S	4	4	4	4
132	190901033	DHANUSH V	4	4	4	3
133	190901034	DIWAKAR DINESH S	4	4	4	4
134	190901035	ELAVAENEIL M	3	4	4	4
135	190901036	GAUTHAM S	3	4	4	4
136	190901037	GAYADRI K	4	4	4	4
137	190901038	GAYATHRI R	4	4	4	4
138	190901040	GOKUL V	4	4	4	3
139	190901041	GURUPRAKASH S	3	4	4	4
140	190901042	GURUPRASATH S	4	3	3	4
141	190901043	HARIHARAN S	4	4	4	4
142	190901044	HARIPRASAD R	4	4	4	4
143	190901045	HARSHA VARDHAN G	4	4	4	3
144	190901046	HARSHINI K	3	4	4	4
145	190901047	JANANI P	4	3	3	4
146	190901048	JANANI S	4	4	4	4
147	190901049	JAYANTH BARATHWAJ T S	3	4	4	4
148	190901050	KARTHIKEYAN A	3	4	4	4
149	190901051	KARTHIKEYAN P	4	4	4	3
150	190901052 190901053	KISHORE T MADHUMITHA V	4 3	4	4	4
151		MADHUMITHA V MANIBALAN M	4	3	3	4
152 153	190901054 190901055	MANIKANDAN G	4	4	4	4
155	190901055	MANIKANDAN S	3	4	4	4
155	190901050	MIRIYALA CHARANISH	3	4	4	4
155	190901057	MOHAMED AFNAN F	3	4	4	4
157	190901050	MOHAMED FAHEEM J	3	4	4	4
158	190901501	BHALASAI JS (L/E)	3	4	4	4
159	190901504	JAYAKANTH E (L/E)	3	4	4	4
160	190901505	PRAVEEN RAJA M(L/E)	3	4	4	4
161	190901506	JAYASHREE.S (L/E)	3	4	4	4

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION

			Stan Charles		AN AUTUNUMOUS IN	
162	190901061	MOHANAPRIYA S	3	4	THANDALAM, CHENN	A! - 602 1 <b>2</b> 6
163	190901062	NANDHINI P	3	4	4	4
164	190901063	NAVEEN ANANTH R	3	4	4	4
165	190901064	NAVEEN KUMAR C	3	4	4	4
166	190901065	NAVEEN KUMAR M	3	4	4	4
167	190901066	NIRANJANI J B	3	4	4	4
168	190901067	NITHISH KUMAR S	3	4	4	4
169	190901068	NITISH KUMAR P	3	4	4	4
170	190901069	PORSELVAN J	3	4	4	4
171	190901070	PRASANA KUMAR V R	3	4	4	4
172	190901071	PRASANNA K N	4	4	4	4
173	190901072	PRASATH V	3	4	4	4
174	190901073	RAJAPRIYA Y	3	4	4	4
175	190901074	RAJESH T	4	4	4	4
176	190901075	RANJITH KUMAR K	4	4	4	4
177	190901076	RENGASAI	4	4	4	3
178	190901077	RITHISH E	3	4	4	4
179	190901078	ROHITH KUMAR V	3	4	4	4
180	190901079	RUNCHITH KRISHNA T	3	4	4	4
181	190901080	SABARINATHAN S	3	4	4	4
182	190901081	SADASIVAM R	3	4	4	4
183	190901082	SAI HARISH	3	4	4	4
184	190901083	SANDHIYA R K	3	4	4	4
185	190901084	SANGEETHA N	3	4	4	4
186	190901085	SANTHOSH NIVAS H	3	4	4	4
187	190901086	SARATH KUMAR A	3	4	4	4
188	190901087	SARO SURYA E V	3	4	4	4
189	190901088	SATISH R	3	4	4	4
190	190901089	SELVAGANESH S	3	4	4	4
191	190901090	SHAHEEN KAUSER G	3	4	4	4
192	190901091	SHRIKANTH DHANASEKARAN	3	4	4	4
193	190901092	SIDHARTH S	3	4	4	4
194	190901093	SIVAKUMAR M	4	4	4	4
195	190901094	SIVASHANMUKA NATHEN S	4	4	4	4
196	190901095	SOMA SUNDARAM P	4	4	4	3
197	190901096	SOMESHWARAN R	3	4	4	4
198	190901097	SOWMIYA P	4	3	3	4
199	190901098	SREE DINESH KUMAR S	4	4	4	4
200	190901099	SRERAM S A	4	4	4	4
201	190901100	SRIRAM M	4	4	4	3
202	190901101	SRIRAM S	3	4	4	4
203	190901102	SRIVARSHINI D R	4	3	3	4
204	190901103	SUBHIKSHA A M	4	4	4	4
205	190901104	SURENDAR M	3	4	4	4
206	190901105	SURYA B G	4	3	3	4
207	190901106	SYED FAIZ HUSSAIN M	4	4	4	4
208	190901107	TAMILSELVAN K	4	4	4	4
209	190901108	THANIGA KALANIDHI S	4	4	4	3
210	190901109	UMESH E	3	4	4	4

211	190901110	VENKATESAN S	4	3	3	4
212	190901111	VIGNESH C	4	4	4	4
213	190901112	VIGNESH SURESH	3	4	4	4
214	190901113	VIJAYASAARATHY M S	4	3	3	4
215	190901114	VIKRAM SIDDHARTH V	4	4	4	4
216	190901115	VIRAAJITHA M S	4	4	4	4
217	190901116	VISHAAL G	4	4	4	3
218	190901117	VISHWA KUMAR V K	3	4	4	4
219	190901118	YAMINI PRIYANGA R	4	3	3	4
220	190901119	YUGAN RAJ J	4	4	4	4
221	190901120	JARAN M	3	4	4	4
222	190901502	SURIYA M (L/E)	4	4	4	3
223	190901503	SUHASH. P (L/E)	3	4	4	4
		Total	799	868	875	845
		Attendance %	89.57	97.31	98.09	94.73

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.

J. D. Henger

# RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS) Department of Electrical and Electronics Engineering Trends and Opportunities in Cloud Computing 13.05.2022

SI No		Excellent	Good	Satisfactory	poor
1	Facilitator's Subject Knowledge	130	93	0	0
2	Is Facilitator approachable?	195	28	0	0
3	Presentation & Communication	206	17	0	0
4	Effectiveness of Practical Session	176	47	0	0

## Feedback Analysis





(Dr.A. ALICE HEPZIBAH)



J.N. Muyon

# RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS) DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

4

Speaker name:	Mr.JIJO JACAB
Designation:	Business Head
Institution/university/organization:	Accel Academy ( A division of Accel Ltd)
Title of the lecture:	Trends and Opportunities in Cloud Computing
Date:	13.05.2022
Time:	1.00 pm
Venue:	Main Seminar Hall
Comments:	The session was too attentive, and the students were interested in learning about the cloud trends.
*	
Signature of the speaker:	2 hit

# FEEDBACK FROM THE SPEAKER

J.D. Henrycom



**Event Report** 

Date & Time: 13.05.2022 Guest Name:

Mr. C. Jijo Jacob, Business Head, Accel Academy

Mr. A. Mohanasundram, Senior Technical Trainer, Accel Academy

### TRENDS AND OPPORTUNITIES IN CLOUD COMPUTING

A guest lecture on Trends and Opportunities in Cloud Computing was organised by the Department of Electrical and Electronics Engineering in association with Institution's Innovation Cell, REC, Industry Institute Interaction Cell, REC and Society of Electricals and Electronics Engineers on 13<sup>th</sup> May 2022 at 01:00 p.m. in the Mini Seminar Hall, Rajalakshmi Engineering College (Autonomous), Chennai. Ms. Madhusri M S, II Year, Department of Electrical and Electronics Engineering welcomed the gathering. Ms. Gayathri R and Ms. Harshini K, III Year, Department of Electrical and Electronics Engineering introduced the guest lecturers, Mr. A Mohanasundram, Accel Academy Senior Technical Trainer and Mr. C. Jijo Jacob, Accel Academy Business Head, to the august gathering.

The guest lecturers Mr. A Mohanasundram and Mr. C. Jijo Jacob discussed the recent trends in Cloud Computing and the applications of Cloud in various sectors. The guest-lecturers shared their insights about the public cloud, private cloud and other cloud services. The speakers mentioned the notable role of cloud computing in smart grids, Internet Of Things and smart energy metering systems. During the question-and-answer session, students actively interacted with speakers. It was an eye-opening session for the participants. Followed by question-and-answer session, Ms Harshini K, III Year, Department of Electrical and Electronics Engineering, delivered the Vote of thanks.







AUTONOMOUS



STAFF INCHARUE CNOC. A. ALLCE HEPZI BAHJ

(Dr. C. KAMALAK ANNAN)

FEE

PRINCIPAL PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION

## A WEBINAR ON "BUILDING A CAREER WITH DATA SCIENCE" – 12.01.2022

Sl. No.	Details RAJALAKSHMI RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai
1	Approval Letter
2	Webinar Brochure
3	Communication with Speakers
4	Speaker Profile (s)
5	Program schedule
6	List of Participants
7	Attendance
8	Photographs taken during the workshop
9	Feedback from the Participants
10	Feedback from the speakers
11	Sample Certificate
12	Presentation Slides/Materials (if available)
13	Event Report
14	Any other details (if any)



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE

Z.N. Dury

AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

## Webinar Brochure





INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD initiative)

# WEBINAR

On

# **Building a Career in Data Science**

Organized by Department of Electrical and Electronics Engineering, REC

In association with

Society of Electrical and Electronics Engineers, REC

Institution's Innovation Council, REC

Industry Institute Interaction Cell, REC

# **Mr. Kathirmani Sukumar** Co-Founder Quelit

🖲 MEET

https://meet.google.com/wkh-uxpy-jow

12.1.2022 10.00 AM



J.N.V

### **Communication with Speaker**

3/7/22, 9:42 AM

Rajalakshmi Engineering College Mail - Invitation for the webinar on 12.1.22



Anto Sheeba J <antosheeba.j@rajalakshmi.edu.in>

### Invitation for the webinar on 12.1.22

Anto Sheeba J <antosheeba.j@rajalakshmi.edu.in> To: kathirmani@quelit.com Tue, Jan 11, 2022 at 8:20 PM

Greetings from the Society of Electrical and Electronics Engineers (SEEE)

The Department of Electrical and Electronics Engineering, Rajalakshmi Engineering College (REC) is glad to invite you to talk at a webniar on 12.2.2022 (Wednesday at 10 a.m.) on the topic "Building a Career in Data Science." We are impatiently waiting for your lecturer.

Herewith I have enclosed the details of the webinar for your kind reference.

The details of the webinar are given below.

Date: 12th January 2022, Wednesday Time: 10.00 AM to 11.30 AM IST Delivery Platform: Google Meet Link: https://meet.google.com/wkh-uxpy-jow

Regards, SEEE co-ordinators J.Anto Sheeba C.Amutha AP/EEE



Webinar on Building a career in Data Science.jpeg



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

S.N. rengen

## Expert speaker communication

3/7/22, 9:41 AM

Rajalakshmi Engineering College Mail - Request letter - Webinar - Regarding on 12.1.22



Anto Sheeba J <antosheeba.j@rajalakshmi.edu.in>

# Request letter - Webinar - Regarding on 12.1.22

Mon, Jan 10, 2022 at 4:36 PM

Kathirmani sukumar <kathirmani@quelit.com> Reply-To: kathirmani@quelit.com To: antosheeba.j@rajalakshmi.edu.in Cc: hod.eee@rajalakshmi.edu.in, amutha.c@rajalakshmi.edu.in

Hi

Thanks for sharing the invitation. Confirming my participation. Topic title would be "Building a career in Data Science".

With Regards

Kathirmani Sukumar Quelit +91-9701344400

--- On Mon, 10 Jan 2022 14:29:41 +0530 antosheeba.j@rajalakshmi.edu.in wrote ---- [Quoted text hidden]



J.N. Lem

### **Speaker Profile**

## Summary

- 12 years of experience in data analytics
- Specialised in Natural Language Processing, Machine Learning and Data Visualisation
- Developed various data science applications using Python
- Data science consultant & trainer

### Experience

Quelit Innovations (Data Scientist & Co-Founder)

Jan 2017 to present

- Responsibilities:
  - To assist & train clients in building custom data science teams & solutions
- Clients handled:
  - Bajaj Allianz, The Hindu, Greenvironment, Tecknoturf, Analytics Edge, Manipe Global Education Services, Great Lakes E-Learning.
- Achievements:
   Trained more than 1500 professionals in data science

Gramener Technologies (Senior Data Scientist)

May 2012 to Feb 2018

- Responsibilities: To build new data science applications, data storytelling and building interactive analytics dashboards. Was also part of CTO team to develop internal low-code data vis platform
- Clients handled: Novartis, GVK Bio, Star TV, Economic Times, Axis Bank & ICICI Bank
- Achievements:
  - As part of CTO team, was leading the development of a SaaS product named "Autolysis", which also received "Best Analytics Solutions Award" from honorable minister Smt. Nirmala Sitharaman during Express IT Awards
  - Received Dronacharya Award three times for periodically mentoring & training the technical team

IIT Madras (Project Associate/Officer)

Jun 2009 to Feb 2012

- Responsibility: To come up with new process/algorithm to detect anomalies and to compress data
- Client Name: Bhabha Atomic Research Center, Mumbai
- Achievement: Developed a new anomaly detection algorithm. Also, came up with new process for compressing MFL data which reduced the original data up 1/3<sup>rd</sup> of its original size. This work was published in NDT&E International Journal: https://www.sciencedirect.com/science/article/abs/pii/S0963869512000588

## Education

- Bachelor's Degree in Electrical and Electronics Engineering from Rajalakshmi Engineering College, Affiliated to Anna University, Chennai (2005 – 2009)
- H.S.S.C (2005) and S.S.L.C (2003) from Don Bosco Hr. Sec. School, Perambur, Chennai



J.N. Kengen

## **Program Schedule**

S.no	Date	Торіс	Speaker Details		
1	12.01.2022	BUILDING A CAREER WITH DATA SCIENCE	Mr. Kathirmani Sukumar, Data Scientist, Co-Founder (Quelit innovations)		

J.N. Hunge



## **RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS) DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING** A WEBINAR ON "BUILDING A CAREER WITH DATA SCIENCE"

S.No.	Register Number	NAME OF THE STUDENT	Section
1.	180901001	AAKASH MYTHRAYAN Y	IV EEE A
2.	180901002	AASHISH VIBHU A	IV EEE A
3.	180901004	ADITHYA KUMAR	IV EEE A
4.	180901005	ADITHYAA C R	IV EEE A
5.	180901006	ADITYA PANDEY	IV EEE A
6.	180901007	AKARSH V A	IV EEE A
7.	180901008	AKASH V	IV EEE A
8.	180901009	AKSHAYA A	IV EEE A
9.	180901010	ALGAPPAN S	IV EEE A
10.	180901011	AMITAV A K T	IV EEE A
11.	180901012	ANJANA V	IV EEE A
12.	180901013	ANUSHRAM J T	IV EEE A
13.	180901014	ARAVINDAN S	IV EEE A
14.	180901015	ARULSELVAN R	IV EEE A
15.	180901016	ARUN K	IV EEE A
16.	180901017	ARUNKUMAR K	IV EEE A
17.	180901018	BRINDA N	IV EEE A
18.	180901019	DEEPAK S	IV EEE A
19.	180901020	DELLIGANESH C	IV EEE A
20.	180901021	DHANUSH KUMAR M	IV EEE A
21.	180901022	ERIC GLADSON P	IV EEE A
22.	180901023	EZHIL NIYAERU T	IV EEE A
23.	180901024	GIRIDHAR REDDY R	IV EEE A
24.	180901025	GIRIDHARAN N	IV EEE A
25.	180901026	GIRISH D	IV EEE A
26.	180901050	KARTHIKEYAN B	IV EEE B
27.	180901051	KARTHIKEYAN M	IV EEE B
28.	180901052	KAVYA NALINI K	IV EEE B
29.	180901053	KAYALVIZHI S	IV EEE B

## LIST OF PARTICIPANTS



J.N. Duges PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

30.	180901054	KEERTHIKA V	IV EEE B
31.	180901055	KISHORE RAAM P	IV EEE B
32.	180901056	KRISHNA PRASATH M	IV EEE B
33.	180901057	KUNGUMA HARISH P	IV EEE B
34.	180901058	LAVANYA V	IV EEE B
35.	180901059	LOKESH K	IV EEE B
36.	180901060	MAHENDRA KUMAR M	IV EEE B
37.	180901061	MANGALA SRI R	IV EEE B
38.	180901063	MOGESHWAR V	IV EEE B
39.	180901064	MOHAMED AKIL A	IV EEE B
40.	180901065	MOHANA KRISHNAN U	IV EEE B
41.	180901066	MOHANRAJ A	IV EEE B
42.	180901067	MOHIT KUMAR P	IV EEE B
43.	180901068	MONISHA B	IV EEE B
44.	180901069	MONISHA S R	IV EEE B
45.	180901070	MUKESHKUMAR M	IV EEE B
46.	180901071	MUKTHAR MUBEEN Y	IV EEE B
47.	180901072	NANDHA GOPAL B	IV EEE B
48.	180901073	NANDHINI P	IV EEE B
49.	180901074	NARENDIRAN A	IV EEE B
50.	180901075	NATARAJAN S	IV EEE B
51.	180901100	SANJAY K R	IV EEE C
52.	180901101	SANJAY R P	IV EEE C
53.	180901102	SANJAY S	IV EEE C
54.	180901103	SANTHOSH KUMAR S	IV EEE C
55.	180901104	SANTHOSH KUMAR D	IV EEE C
56.	180901105	SELVAKUMAR N	IV EEE C
57.	180901106	SHANKAR S A	IV EEE C
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59.	180901108	SHIVAPRADEEP P	IV EEE C
60.	180901109	SHREYAS S	IV EEE C
61.	180901110	SHYAMKUMAR R	IV EEE C
62.	180901111	SIDDHARTH M	IV EEE C
<u>63.</u> 64.	180901112	SIVA PRAKASH K	IV EEE C
	180901113	SMIRUTULA K	IV EEE C

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65.	180901114	SOWMIYA A	IV EEE C
66.	180901115	SREEVARSHINI S	IV EEE C
67.	180901116	SRIDHAR U	IV EEE C
68.	180901117	SUDHARSAN B	IV EEE C
69.	180901118	SUGAVANASUBRAMANIAN S	IV EEE C
70.	180901119	SUJITHRA G	IV EEE C
71.	180901120	SUNDARARAJAN G	IV EEE C
72.	180901121	SYED ZAFRULLAH S	IV EEE C
73.	180901122	TAMILARASAN M S	IV EEE C
74.	180901123	TAMILSELVAN A	IV EEE C
75.	180901124	THARANYA S	IV EEE C
76.	180901125	THARUN KUMAR M	IV EEE C
77.	180901126	THARUN PRANAV G B	IV EEE C
78.	180901127	UMESH S	IV EEE C
79.	180901128	VAISAKH T S	IV EEE C
80.	180901129	VENKATESH U	IV EEE C



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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105

## RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS) DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING A WEBINAR ON "BUILDING A CAREER WITH DATA SCIENCE"

Timestamp	Email Address	NAME	REG NO	Section
12-01-2022 10:15	aakashmythrayan.y.2018.eee@rajalakshmi.edu.in	AAKASH MYTHRAYAN Y	180901001	IV EEE A
2-01-2022 10:15	aashishvibhu.a.2018.eee@rajalakshmi.edu.in	AASHISH VIBHU A	180901002	IV EEE A
2-01-2022 10:16	adithya.kumar.2018.eee@rajalakshmi.edu.in	ADITHYA KUMAR	180901004	IV EEE A
2-01-2022 10:16	adithyaa.cr.2018.eee@rajalakshmi.edu.in	ADITHYAA C R	180901005	IV EEE A
2-01-2022 10:16	aditya.pandey.2018.eee@rajalakshmi.edu.in	ADITYA PANDEY	180901006	IV EEE A
2-01-2022 10:16	akarsh.va.2018.eee@rajalakshmi.edu.in	AKARSH V A	180901007	IV EEE A
12-01-2022 10:16	akash.v.2018.eee@rajalakshmi.edu.in	AKASH V	180901008	IV EEE A
12-01-2022 10:16	akshaya.a.2018.eee@rajalakshmi.edu.in	AKSHAYA A	180901009	IV EEE A
12-01-2022 10:16	algappan s 2018.eee@rajalakshmi.edu.in	ALGAPPAN S	180901010	IV EEE A
12-01-2022 10:17	amitav.akt.2018.eee@rajalakshmi.edu.in	AMITAV A K T	180901011	IV EEE A
12-01-2022 10:17	anjana.v.2018.eee@rajalakshmi.edu.in	ANJANA V	180901012	IV EEE A
2-01-2022 10:17	anushram.jt.2018.eee@rajalakshmi.edu.in	ANUSHRAM J T	180901013	IV EEE A
2-01-2022 10:17	aravindan.s.2018.eee@rajalakshmi.edu.in	ARAVINDAN S	180901014	IV EEE A
2-01-2022 10:17	arulselvan.r.2018.eee@rajalakshmi.edu.in	ARULSELVAN R	180901015	IV EEE A
2-01-2022 10:17	arun.k.2018.eee@rajalakshmi.edu.in	ARUN K	180901016	IV EEE A
2-01-2022 10:17	arunkumar.k.2018.eee@rajalakshmi.edu.in	ARUNKUMAR K	180901017	IV EEE A
2-01-2022 10:17	brinda.n.2018.eee@rajalakshmi.edu.in	BRINDA N	180901018	IV EEE A
2-01-2022 10:17	deepak.s 2018 eee@rajalakshmi.edu.in	DEEPAK S	180901019	IV EEE A
2-01-2022 10:17	delliganesh.c.2018.eee@rajalakshmi.edu.in	DELLIGANESH C	180901020	IV EEE A
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2-01-2022 10:17	ericgladson.p.2018.eee@rajalakshmi.edu.in	ERIC GLADSON P	180901022	IV EEE A
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2-01-2022 10:17	karthikeyan.b.2018.eee@rajalakshmi.edu.in	KARTHIKEYAN B	180901020	IV EEE E
2-01-2022 10:17	karthikeyan.m.2018.eee@rajalakshmi.edu.in	KARTHIKEYAN M	180901051	IV EEE F
2-01-2022 10:17	kavyanalini.k.2018.eee@rajalakshmi.edu.in	KAVYA NALINI K	180901052	IV EEE E
2-01-2022 10:18	kayalvizhi.s.2018.eee@rajalakshmi.edu.in	KAYALVIZHI S	180901053	IV EEE B
2-01-2022 10:18	keerthika.v.2018.eee@rajalakshmi.edu.in	KEERTHIKA V	180901054	IV EEE B
2-01-2022 10:18	kishoreraam.p.2018.eee@rajalakshmi.edu.in	KISHORE RAAM P	180901055	IV EEE B
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2-01-2022 10:16	mogeshwar.v.2018.eee@rajalakshmi.edu.in	MOGESHWAR V	180901063	IV EEE B
2-01-2022 10:17	mohamedakil.a.2018.eee@rajalakshmi.edu.in	MOHAMED AKIL A	180901064	IV EEE B
2-01-2022 10:17	mohanakrishnan.u.2018.eee@rajalakshmi.edu.in	MOHANA KRISHNAN U	180901065	IV EEE B
2-01-2022 10:17	mohanraj a.2018.eee@rajalakshmi.edu.in	MOHANRAJ A	180901066	IV EEE B
2-01-2022 10:17	mohitkumar.p.2018.eee@rajalakshmi.edu.in	MOHANKAJA MOHIT KUMAR P	180901000	IV EEE B
2-01-2022 10:17	monisha.b.2018.eee@rajalakshmi.edu.in	MONISHA B	180901007	IV EEE B
2-01-2022 10:17	monisha.sr.2018.eee@rajalakshmi.edu.in	MONISHA S R	180901069	IV EEE B
2-01-2022 10:17	mukeshkumar.m.2018.eee@rajalakshmi.edu.in	MUKESHKUMAR M	180901009	
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2-01-2022 10:17	nandhagopal.b.2018.eee@rajalakshmi.edu.in			IV EEE B
2-01-2022 10:17	nandhini.p.2018.eee@rajalakshmi.edu.in	NANDHA GOPAL B	180901072	IV EEE B
2-01-2022 10:17	narendiran.a.2018.eee@rajalakshmi.edu.in	NANDHINI P	180901073	IV EEE B
	natarajan.s.2018.eee@rajalakshmi.edu.in	NARENDIRAN A NATARAJAN S	180901074 180901075	IV EEE B
2-01-2022 10 17				

## Attendance

12-01-2022 10:17	sanjay.kr.2018.eee@rajalakshmi.edu.in	SANJAY K R	180901100	IV EEE C
12-01-2022 10:17	sanjay.rp.2018.eee@rajalakshmi.edu.in	SANJAY R P	180901101	IV EEE C
12-01-2022 10:17	sanjay.s.2018.eee@rajalakshmi.edu.in	SANJAY S	180901102	IV EEE C
12-01-2022 10:17	santhoshkumar.s.2018.eee@rajalakshmi.edu.in	SANTHOSH KUMAR S	180901103	IV EEE C
12-01-2022 10:17	santhoshkumar.d.2018.eee@rajalakshmi.edu.in	SANTHOSH KUMAR D	180901104	IV EEE C
12-01-2022 10:17	selvakumar.n.2018.eee@rajalakshmi.edu.in	SELVAKUMAR N	180901105	IV EEE C
12-01-2022 10:18	shankar.sa.2018.eee@rajalakshmi.edu.in	SHANKAR S A	180901106	IV EEE C
12-01-2022 10:18	shekina.a.2018.eee@rajalakshmi.edu.in	SHEKINA A	180901107	IV EEE C
12-01-2022 10:18	shivapradeep.p.2018.eee@rajalakshmi.edu.in	SHIVAPRADEEP P	180901108	IV EEE C
12-01-2022 10:18	shreyas.s.2018.eee@rajalakshmi.edu.in	SHREYAS S	180901109	IV EEE C
12-01-2022 10:16	shyamkumar.r.2018.eee@rajalakshmi.edu.in	SHYAMKUMAR R	180901110	IV EEE C
12-01-2022 10:16	siddharth.m.2018.eee@rajalakshmi.edu.in	SIDDHARTH M	180901111	IV EEE C
12-01-2022 10:17	sivaprakash.k.2018.eee@rajalakshmi.edu.in	SIVA PRAKASH K	180901112	IV EEE C
12-01-2022 10:17	smirutula.k.2018.eee@rajalakshmi.edu.in	SMIRUTULA K	180901113	IV EEE C
12-01-2022 10:17	sowmiya.a.2018.eee@rajalakshmi.edu.in	SOWMIYA A	180901114	IV EEE C
12-01-2022 10:17	sreevarshini.s.2018.eee@rajalakshmi.edu.in	SREEVARSHINI S	180901115	IV EEE C
12-01-2022 10:17	sridhar.u.2018.eee@rajalakshmi.edu.in	SRIDHAR U	180901116	IV EEE C
12-01-2022 10:17	sudharsan.b.2018.eee@rajalakshmi.edu.in	SUDHARSAN B	180901117	IV EEE C
12-01-2022 10:17	sugavanasubramanian.s.2018.eee@rajalakshmi.ed	SUGAVANASUBRAMANIA N S	180901118	IV EEE C
12-01-2022 10:17	sujithra.g.2018.eee@rajalakshmi.edu.in	SUJITHRA G	180901119	IV EEE C
12-01-2022 10:17	sundarrajan.g.2018.eee@rajalakshmi.edu.in	SUNDARARAJAN G	180901120	IV EEE C
12-01-2022 10:17	syedzafrullah.s.2018.eee@rajalakshmi.edu.in	SYED ZAFRULLAH S	180901121	IV EEE C
12-01-2022 10:17	tamilarasan.ms.2018.eee@rajalakshmi.edu.in	TAMILARASAN M S	180901122	IV EEE C
12-01-2022 10:17	tamilselvan.a.2018.eee@rajalakshmi.edu.in	TAMILSELVAN A	180901123	IV EEE C
12-01-2022 10:17	tharanya.s.2018.eee@rajalakshmi.edu.in	THARANYA S	180901124	IV EEE C
12-01-2022 10:17	tharunkumar.m.2018.eee@rajalakshmi.edu.in	THARUN KUMAR M	180901125	IV EEE C
12-01-2022 10:18	tharunpranav.gb.2018.eee@rajalakshmi.edu.in	THARUN PRANAV G B	180901126	IV EEE C
12-01-2022 10:18	umesh.s.2018.eee@rajalakshmi.edu.in	UMESH S	180901127	IV EEE C
12-01-2022 10:18	vaisakh.ts.2018.eee@rajalakshmi.edu.in	VAISAKH T S	180901128	IV EEE C
12-01-2022 10:18	venkatesh.u.2018.eee@rajalakshmi.edu.in	VENKATESH U	180901129	IV EEE C

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# Webinar Photographs



**PPT Presentation and Participants** 



J.N. Muy
# RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS) Department of Electrical and Electronics Engineering Webinar on "BUILDING A CAREER WITH DATA SCIENCE" – 12.01.2022

Feedback Analysis

Rating Details: Excellent - 4, Good - 3, Satisfactory - 2, Poor -1

Email Address	Rating Details: Excell	REG NO	Dept	Facilitator's Subject Knowledge	Is Facilitator approachable ?	Presentation & Communication	Effectiveness of Practical Session
akashmythrayan.y.2018.eee @rajalakshmi.edu.in	AAKASH MYTHRAYAN Y	180901001	IV EEE A	4	4	4	3
arajataksinin edu in uashishvibhu a.2018.eee@raj ilakshmi edu.in	AASHISH VIBHU A	180901002	IV EEE A	3	4	4	3
ndithya.kumar.2018.eee@raja akshmi.edu.in	ADITHYA KUMAR	180901004	IV EEE A	4	4	4	4
ndithyaa.cr.2018.eee@rajalak shmi.edu in	ADITHYAA C R	180901005	IV EEE A	3	4	3	4
aditya pandey.2018.eee@raja akshmi.edu.in	ADITYA PANDEY	180901006	IV EEE A	3	4	4	4
akarsh.va.2018.eee@rajalaks hmi.edu.in	AKARSH V A	180901007	IV EEE A	3	4	4	4
akash.v.2018.cee@rajalaksh mi.edu.in	AKASH V	180901008	IV EEE A	4	4	3	4
akshaya.a.2018.eee@rajalaks hmi.edu in	AKSHAYA A	180901009	IV EEE A	3	4	4	4
algappan.s.2018.eee@rajalak shmi.edu.in	ALGAPPAN S	180901010	IV EEE A	3	3	4	4
amitav.akt 2018.eee@rajalak shmi.edu.in	ΑΜΙΤΑΥ Α Κ Τ	180901011	IV EEE A	3	4	3	4
anjana.v 2018.eee@rajalaksh mj.edu.in	ANJANA V	180901012	IV EEE A	4	4	4	4
anushram.jt.2018.eee@rajala kshmi.edu.in	ANUSHRAM J T	180901013	IV EEE A	3	4	4	4
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arun k 2018.eee@rajalakshm .edu.in	<sup>i</sup> ARUN K	180901016	IV EEE A	3	4	4	4
arunkumar.k.2018.eee@rajal akshmi.edu.in	ARUNKUMAR K	180901017	IV EEE A	4	3	4	4
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deepak.s.2018.eee@rajalaksh mi.edu.in	DEEPAK S	180901019	IV EEE A	. 4	4	4	3
delliganesh.c.2018.eee@raja akshmi.edu.in	1 DELLIGANESH C	180901020	IV EEE A	3	4	4	3
dhanushkumar.m.2018.cee@ ajalakshmi.edu.in	T DHANUSH KUMAR M	180901021	IV EEE A	4	4	4	4
ericgladson.p.2018.eee@rajz akshmi.edu.in	I ERIC GLADSON P	180901022	IV EEE A	3	4	3	4
ezhilniyaeru,t.2018.eee@raja akshmi.edu.in	EZHIL NIYAERU T	180901023	IV EEE A	3	4	4	4
giridharreddy.r.2018.eee@ra alakshmi.edu.in	<sup>jj</sup> giridhar reddy r	180901024	IV EEE A	A 3	4	4	4
giridharan n.2018.eee@rajal kshmi.edu.in	<sup>a</sup> GIRIDHARAN N	180901025	IV EEE A	A 4	4	3	4
girish d 2018.eee@rajalaksh mi.edu in	GIRISH D	180901026	IV EEE /	4 3	4	4	4
karthikeyan.b.2018.eee@raj akshmi.edu.in	ai KARTHIKEYAN B	180901050	IV EEE I	в 3	3	4	4
karthikeyan.m.2018.eee@ra lakshimi.edu.in	ja KARTHIKEYAN M	180901051	IV EEE	в 3	4	3	4



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akshmi.edu.in       kayalvizhi.s.2018.eee@rajala         kayalvizhi.s.2018.eee@rajalak       KA         kshmi.edu.in       KA         keerthika.v.2018.eee@rajalak       KE         shmi.edu.in       KIS         kishoreraam.p.2018.eee@rajalak       KE         kishoreraam.p.2018.eee@rajalak       KIS         kirishnaprasath.m.2018.eee@rajalakshmi.edu.in       KIS         kungumaharish.p.2018.eee@rajalakshmi.edu.in       LA         lakshmi.edu.in       LA         lokesh.k.2018.eee@rajalakshmi.edu.in       LO         mahendrakumar.m.2018.eee       MA         mangalasri.r.2018.eee@rajalakshmi.edu.in       MA	AVYA NALINI K AYALVIZHI S EERTHIKA V ISHORE RAAM P RISHNA PRASATH M UNGUMA HARISH P AVANYA V DKESH K AHENDRA KUMAR M	180901052 180901053 180901054 180901055 180901056 180901057 180901058 180901059	IV EEE B IV EEE B IV EEE B IV EEE B IV EEE B IV EEE B	4 3 4 4 4 4 4	4 4 4 4 4 4 4	4 4 3 4 3 4	4 4 4 4 4 4
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ni.edu.in LO mahendrakumar.m.2018.eee @ @rajalakshmi.edu.in MA nangalasri.r.2018.eee@rajala MA		180901059		3	4	3	4
@rajalakshmi.edu.in MA mangalasri.r.2018.eee@rajala <shmi.edu.in ma<="" td=""><td>AHENDRA KUMAR M</td><td></td><td>IV EEE B</td><td>4</td><td>4</td><td>4</td><td>4</td></shmi.edu.in>	AHENDRA KUMAR M		IV EEE B	4	4	4	4
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	ANGALA SRI R	180901061	IV EEE B	4	3	4	4
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alakshmi.edu.in	OHAMED AKIL A	180901064	IV EEE B	4	4	3	4
nohanakrishnan.u.2018.eee MC @rajalakshmi.edu.in MC	OHANA KRISHNAN U	180901065	IV EEE B	4	4	4	4
hmi.edu.in	OHANRAJ A	180901066	IV EEE B	3	4	3	4
akshmi.edu.in	OHIT KUMAR P	180901067	IV EEE B	4	3	4	4
imi.edu.in	ONISHA B	180901068	IV EEE B	3	4	4	4
hmi.edu.in	ONISHA S R	180901069	IV EEE B	4	4	4	4
jalakshmi edu.in	UKESHKUMAR M	180901070	IV EEE B	4	4	4	4
ajalakshmi.edu.in	UKTHAR MUBEEN Y	180901071	IV EEE B	3	4	4	4
lakshmi edu in	ANDHA GOPAL B	180901072	IV EEE B	4	4	3	4
hmi.edu.in	NDHINI P	180901073	IV EEE B	4	4	4	4
shmi.edu.in	ARENDIRAN A	180901074	IV EEE B	3	4	3	4
hmi.edu.in	ATARAJAN S	180901075	IV EEE B	4	4	4	4
ni edu in	NJAY K R	180901100	IV EEE C	3	4	4	4
ii.edu.in	NJAY R P	180901101	IV EEE C	4	4	4	4
n,eau.m	NJAY S	180901102	IV EEE C	4	4	4	4
anthoshkumar.s.2018.eee@r jalakshmi.edu.in	NTHOSH KUMAR S	180901103	IV EEE C	3	4	4	4
alakshmi edu in	NTHOSH KUMAR D	180901104	IV EEE C	4	4	3	4
(shmi.edu.in	LVAKUMAR N	180901105	IV EEE C	4	4	4	4
nankar.sa.2018.eee@rajalak SHA	ANKAR S A	180901106	IV EEE C	3	4	3	4
nekina.a.2018.eee@rajalaks SHE	EKINA A	180901107	IV EEE C	4	4	4	4



shivapradeep.p.2018.eee@raj alakshmi.edu.in	SHIVAPRADEEP P	180901108	IV EEE C	3	4	4	4
shreyas.s.2018,eee@rajalaksh mi.edu.in	SHREYAS S	180901109	IV EEE C	4	4	4	4
shyamkumar r.2018.eee@raja lakshmi.edu.in	SHYAMKUMAR R	180901110	IV EEE C	4	4	4	4
siddharth m 2018 eee@rajala kshmi edu.in	SIDDHARTH M	180901111	IV EEE C	3	4	4	4
sivaprakash.k.2018.eee@rajal akshmi.edu.in	SIVA PRAKASH K	180901112	IV EEE C	4	4	3	4
shmi.edu.in	SMIRUTULA K	180901113	IV EEE C	4	4	4	4
sowmiya.a.2018.eee@rajalak shmi.edu.in	SOWMIYA A	180901114	IV EEE C	4	4	4	4
akshmi.edu.in	SREEVARSHINI S	180901115	IV EEE C	3	4	4	4
mi.edu.in	SRIDHAR U	180901116	IV EEE C	4	4	4	4
sudharsan.b.2018.eee@rajala kshmi.edu.in	SUDHARSAN B	180901117	IV EEE C	4	4	4	4
sugavanasubramanian.s.2018. eee@rajalakshmi.edu.in	SUGAVANASUBRAMANIAN	180901118	IV EEE C	3	4	4	4
hmi.edu.in	SUJITHRA G	180901119	IV EEE C	4	4	3	4
sundarrajan.g.2018.eee@rajal akshmi.edu.in	SUNDARARAJAN G	180901120	IV EEE C	4	4	4	4
syedzafrullah.s.2018.eee@raj alakshmi.edu.in	SYED ZAFRULLAH S	180901121	IV EEE C	4	4	4	4
tamilarasan.ms.2018.eee@raj alakshmi.edu.in	TAMILARASAN M S	180901122	IV EEE C	3	4	3	4
tamilselvan a.2018 eee@rajal akshmi.edu.in	TAMILSELVAN A	180901123	IV EEE C	4	4	4	4
nmi.edu.in	THARANYA S	180901124	IV EEE C	3	4	4	4
tharunkumar.m.2018.eee@raj . alakshmi.edu.in	THARUN KUMAR M	180901125	IV EEE C	4	4	4	4
tharunpranav.gb.2018.eee@r ajalakshmi.edu.in	THARUN PRANAV G B	180901126	IV EEE C	4	4	4	4
mi edu.in	UMESH S	180901127	IV EEE C	4	4	4	4
vaisakh.ts.2018.eee@rajalaks , nmi.edu.in	VAISAKH T S	180901128	IV EEE C	3	4	4	4
venkatesh.u.2018.eee@rajala , kshmi.edu.in	VENKATESH U	180901129	IV EEE C	4	4	3	4
	Total			286	315	299	316
(	Overall Percentage %			89	98	93	99



J. N. Huy

# **RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS)** Department of Electrical and Electronics Engineering Webinar on "BUILDING A CAREER WITH DATA SCIENCE" - 12.01.2022 Feedback Analysis

Sl No	Content	Excellent	Good	Satisfactory	poor
Ĩ	Facilitator's Subject Knowledge	46	34	0	0
2	Is Facilitator approachable?	75	5	0	0
3	Presentation & Communication	59	21	0	0
4	Effectiveness of Practical Session	76	4	0	0



J. Shun Mrs. J. ANTO SHEEBA

# STAFF INCHARGE

J.N.

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.



# Sample Certificate



J.D.M.

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.



### **Presentation Slides/Materials**





- Story telling
- · Social media analytics (Election campaign analysis)
- Image processing (Face recognition, Face app etc)
- Predictive modelling (Churn analysis, Defaulters prediction, Loan offers)
- Recommendation systems (Ex: Netflix, Amazon, YouTube)
- Fraud detection
- Chat bot building





# **Event Report**

Date of Activity: 12/01/2022	Title: Building a career in data science				
Program Objective:		Mode of Activity: Online			
To make students gain in of data science, the future	associated with it	Duration: 1 hour 30 minutes			
and begin a career with da	ata science	<b>Time:</b> 10:00 am to 11: 30 am			
Program Outcome:		Venue / Online Link: https://meet.google.com/wkh-uxpy-jow			
The session gave a clea					
about what is data science, how to the journey in this field and how grij the path is.		Number of Students:	80		
die paul 15.		Number of Faculty :	15		

J. Sheron STAFF INCHARUE

(MATS - J . ANTO SHEED A)

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[DT. C. KAMALAKANNAN]



J.N. renper

# RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS) DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Guest Lecture on "Emerging Trends in Microcontroller Industry"

Sl. No.	Details
1	Approval Letter
2	Information mail
3	Brochure
4	Speaker Profile (s)
5	List of Participants
6	Attendance
7	Photographs
8	Feedback from the Participants
9	Feedback from the speakers
10	Sample Certificate (if available)
11	Event Report



SD. Her PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

### **Approval letter**

From Dr.M.Palanivetan Professor & Head Department of ECE REC.

To The Principal REC.

Dear Sir.

Sub: Request to conduct guest lecture - Reg. Ref: Mr.Philip Praveen, Dean (Students Affairs), REC.

The department of ECE would like to organize guest lecture titled "Emerging Trends in the Microcontroller Industry" on 28<sup>th</sup> April 2022 in our campus. The resource person Mr.J.Hareesh, Houstan, Texas, USA, is accepted our invitation and would like to interact with third year ECE students in our campus. In this regard, 1 kindly request you to permit us to organize the event. Also, request to provide Memento and necessary transport facility for the guest.





2 10. Leceptor

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

13.04.22

### Information mail



Sushma 5 Jagtap <uushmasjagtap@rajalakshmi.edu.in>

#### Request to register for Guest Lecture - Reg.

2 messages

Hod Electronics and Communication Engineering <hod ece@rajalakshmi.edu.in> Mon, Apr 25, 2022 at 7.47 PM To: 2019-2023 batch ECE <2019 ece@rajalakshmi.edu.in>, 2020-24 Batch ECE <2020 ece@rajalakshmi.edu.in> Cc: staff\_ece <staff\_ece@rajalakshmi.edu.in>

#### Dear Students,

The Department of ECE. Raialakshmi Engineering College takes immense pleasure in inviting you for the guest lecture on "Emerging Trends in Microcontroller Industry" for the benefits of students from ECE & EEE on 28<sup>th</sup> April 2022 at 10.30 AM.

Interested students can register in the link: https://forms.gle/Nar1Egw736voi2Bk6 (Maximum strength limited to 100 from both ECE & EEE)

Note: e-brochure is attached with this mail

Thank you in advance.

Regards, Dr M Palanivelan Professor & Head Department of ECE Rajalakshmi Engineering College Chennai HOD/ECE



J. D. Hum

# RAJALAKSHMI ENGINEERING COLLEGE, CHENNAI – 602105.

# **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEEERING**

# Guest Lecture on "Emerging Trends in Microcontroller Industry"

10.30 - 11.00	Inauguration
11.00 - 11.30	Microcontroller (MCU) based Embedded Systems
11.30 - 12.30	Choosing a MCU, Designing with MCU
12.30 - 1.00	Debugging Embedded Systems



J. L. Hume

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

### Brochure



#### RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY. Chennal



INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

# **GUEST LECTURE**

on

**10.30 AM** 28<sup>th</sup> April, 2022

**EMERGING TRENDS IN MICROCONTROLLER INDUSTRY** 

# Organized by

**Department of Electronics and Communication Engineering** 

# In association with

Institution's Innovation Council, REC Industry Institute Interaction Cell, REC REC IEEE Student Chapter

# Speaker:

Mr. Hareesh J

MCU Applications Engineer, Texas Instruments, Houston. USA

Target audience: ECE and EEE students

🖁 Purple Hall



J. L. Herenyo

J.Hareesh Houston, Texas. hareeshj@gmail.com https://www.linkedin.com/in/hareeshjana

#### Citizenship: U.S. citizen.

<u>Summary</u>: Over 30 years' experience in the fields of *Microprocessors* (µP), *Microcontrollers* (*MCU*), *Digital Signal Processors* (*DSP*), *Embedded systems and Digital Electronics*, in a career spanning *Applications Engineering*, *Silicon Validation*, *Customer Support*, *Technical Writing/Training and Teaching*. <u>Superb communication and teaching skills</u>.

### Areas of Expertise:

- Microprocessors/ Microcontrollers/ Embedded Systems Design & Debug
- Digital Electronics / Circuit Theory. Schematic capture/ PCB layout.
   Usage of Logic Analyzers, Digital Oscilloscopes, Function Generators, Frequency Counters, Digital Multimeters etc.
- Communication protocols (UART, SPI, CAN)

### Education:

Master of Science (M.S) - Electrical Engineering. (1999) Northern Illinois University, DeKalb, IL 60115, USA. (www.niu.edu)

Bachelor of Engineering (B.E) - Electrical & Electronics Engineering. (1996) College of Engineering, Guindy. Anna University, Chennai, India (<u>www.annauniv.edu</u>)

#### Work experience:

Texas Instruments Inc, Houston, (Texas), USA. (www.ti.com) MCU Applications Engineer/ Engineering Manager - (June 1998 - Present)

Responsibilities include Pre & post silicon validation, Collaboration with Design and Test engineers, Technical documentation, Customer support and Mentoring. Passionate about solving customer problems. Prolific contributor to online technical support forums.

Northern Illinois University, DeKalb, IL 60115, USA. (www.niu.edu) Graduate Teaching Assistant - (August 1996 - May 1998)

Institute of Electronics & Computers (IEC), Chennai, India Taught Digital Electronics, Computer Hardware and Networking (January 1993 - June 1996)

Pace ELCOT Automation, Chennai, India (<u>https://www.paceautomation.com</u>) Design Engineer - Microcontroller based products - (August 1989 - January 1993)

HCL Limited, Chennai, India (www.hcl.com) Customer-support Engineer - Computer Hardware/Networking - (April 1987 - August 1989)



J.N. Heereyeer PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

#### **Research experience:**

January 1990 - July 1990 - I participated in a 7-month "Applied Research Project" designing Microcontroller based products at *Institut D'Ordinique du Quebec*, Montreal, **Canada**.

#### Conference presentations:

Methods to Mitigate EMI and ESD problems from a Board Design Perspective Texas Instruments Developer Conference, February 2005, Houston, Texas (USA)

Time-triggered Protocols - A New paradigm in Automotive Networking Texas Instruments Developer Conference, February 2007, Dallas, Texas (USA)

Professional Membership: Member of Institute of Electrical & Electronics Engineers (IEEE)

#### **Teaching experience:**

January 1993 - June 1996 - Taught Digital Electronics, Computer Hardware and Networking at IEC, Chennai. During this period, I also delivered guest lectures on these topics at multiple institutions.

August 1996 - May 1998 - I was a Graduate Teaching Assistant at NIU (USA). During this period, I tutored First year students on Algebra. During my final year at NIU, I independently taught a course called "Microprocessor Analysis" to a class of 30 students.



J. W. Hunton

# List of Participants

S.NO	Name	Register number	Dept	Year	Section
1	CHAITANYA REDDY M	200801048	ECE	II year	A
2	Aathishwaran	200801004	ECE	II year	A
3	Ajay Krishna S	200801012	ECE	II year	Α
4	Anirudhan K	200801022	ECE	II year	A
5	JAIKRISHNAA V	200801086	ECE	II year	В
6	Karthick Ashwin.R	200801094	ECE	II year	В
7	KARTHICK.E	200801095	ECE	II year	В
8	Keerthikumar J	200801108	ECE	II year	В
9	R Kirti Priyanka	200801111	ECE	II year	В
10	Kishore Kumaar K S	200801112	ECE	II year	В
11	KISHORE KUMAR N V	200801113	ECE	II year	В
12	Krithika M	200801115	ECE	II year	В
13	MANIKANDAN S	200801507	ECE	II year	В
14	Shyam sundar s	200801511	ECE	II year	В
15	Noor Jesima G	200801144	ECE	II year	С
16	Rasiga Dharshini A	200801161	ECE	II year	C
17	Sajitha sharon.T	200801170	ECE	II year	C
18	Saravana Priya N S	200801181	ECE	II year	C
19	Saravana Vignesh A	200801182	ECE	II year	C
20	Sarvesh	200801183	ECE	II year	С
21	Sathyanarayanan.S.K	200801186	ECE	II year	С
22	Sathyanarayanan.T	200801187	ECE	II year	С
23	Sowmiyasri A	200801201	ECE	II year	D
24	SHYAM R	200801194	ECE	II year	D
25	SONIYA A	200801198	ECE	II year	D
26	Sowmiyasri A	200801201	ECE	II year	D
27	Sowmiyasri A	200801201	ECE	II year	D



28	SREE BHUVANA S	200801203	ECE	II year	D
29	Sreenidhi P	200801204	ECE	II year	D
30	Srividhya s	200801210	ECE	II year	D
31	S.SUDHARSON	200801216	ECE	II year	D
32	Suryanarayanan V	200801223	ECE	II year	D
33	Thiyaneshwaran	200801232	ECE	II year	D
34	B. VIJAYARAM	200801244	ECE	II year	D
35	Anindita	190801010	ECE	III year	А
36	Deepika s	190801030	ECE	III year	А
37	Ezhil Maran	190801042	ECE	III year	А
38	Gayathri. G	190801044	ECE	III year	Α
39	Gopinath P	190801051	ECE	III year	A
40	Gowthamkumar.S	190801053	ECE	III year	В
41	Haakash. I	190801054	ECE	III year	В
42	Hari.S	190801057	ECE	III year	В
43	Harish G	190801061	ECE	III year	В
44	Harish. T	190801062	ECE	III year	В
45	Janashree k	190801065	ECE	III year	В
46	Jayapreethi.t	190801069	ECE	III year	В
47	S KARTHIK VIGNESH	190801079	ECE	III year	В
48	Karthikeyan A	190801080	ECE	III year	В
49	Karthikeyan.H	190801081	ECE	III year	В
50	Kishore B	190801090	ECE	III year	В
51	Kishore P	190801091	ECE	III year	В
52	Lakshmi viyamesh	190801094	ECE	III year	В
53	Mathan raj J	190801097	ECE	III year	В
54	SARANMONY R	190801505	ECE	III year	В
55	Saran raj J	190801151	ECE	III year	С
56	SARVESWARAN S	190801154	ECE	III year	D



57	Sayad Pervez B	190801155	ECE	III year	D
58	Sejal jha	190801156	ECE	III year	D
59	Shankar J	190801159	ECE	III year	D
60	R.sharnisha	190801160	ECE	III year	D
61	Soundarya B	190801167	ECE	III year	D
62	Sriraman S	190801169	ECE	III year	D
63	Srivasan. L	190801170	ECE	III year	D
64	Sruthilaya S	190801171	ECE	III year	D
65	Tamizh Kumaran L	190801180	ECE	III year	D
66	ULAGARAJA J	190801184	ECE	III year	D
67	Vignesh GJ	190801191	ECE	III year	D
68	VIGNESH P	190801192	ECE	III year	D
69	VIGNESH S	190801193	ECE	III year	D
70	Yogendra Kumar	190801201	ECE	III year	D
71	KANNAN T	190801206	ECE	III year	D
71	MADHAVAN T	200901041	EEE	II year	Α
73	Amirthavarshini A	200901006	EEE	II year	А
74	Amith M	200901007	EEE	II year	A
75	Ashika.P.G	200901009	EEE	II year	A
76	JAINAM S MARDIA	200901033	EEE	II year	A
77	Kousalya	200901038	EEE	II year	A
78	V.LOGESHWARAN	200901039	EEE	II year	А
79	SELVA PREVIN RV	200901511	EEE	II year	А
80	MOGESH KANNA S	200901049	EEE	II year	В
81	Mugilan J	200901051	EEE	II year	В
82	A.Muthu Balasubramanian	200901052	EEE	II year	В
83	Raghul G	200901058	EEE	II year	В
84	Raghul G	200901058	EEE	II year	B
85	T Rajasekar	200901060	EEE	II year	B
86	Sampurni.B	200901063	EEE	II year	B



87	N.Sowthambika	200901074	EEE	II year	В
88	SREENATH	200901075	EEE	II year	В
89	Srimathi R	200901077	EEE	II year	В
90	V.thanish	200901082	EEE	II year	В
91	Tharun Kumar V	200901083	EEE	II year	В
92	Varshini	200901085	EEE	II year	В
93	N.S.VENKATAVARADHAN	200901086	EEE	II year	В
94	Vetrivel	200901087	EEE	II year	В
95	Vijay V	200901090	EEE	II year	В
96	Vinudha. K	200901092	EEE	II year	В
97	NASI Praveen Kumar	200901502	EEE	II year	В
98	Arshad parvez M	200901510	EEE	II year	В
99	Venkatesh G	200901238	EEE	II year	D
100	VIGNESH PRABHU S	200901515	EEE	II year	В



PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

# Attendance

Name	Register number	Dept	Year	Section	Attendance
ITANYA REDDY M	200801048	ECE	II year	A	P
ishwaran	200801004	ECE	II year	A	Р
Krishna S	200801012	ECE	II year	A	Р
udhan K	200801022	ECE	II year	A	Р
RISHNAA V	200801086	ECE	II year	В	Р
nick Ashwin.R	200801094	ECE	II year	В	Р
THICK.E	200801095	ECE	II year	В	Р
thikumar J	200801108	ECE	II year	В	Р
rti Priyanka	200801111	ECE	II year	В	Р
ore Kumaar K S	200801112	ECE	II year	В	Р
IORE KUMAR N V	200801113	ECE	II year	В	Р
ika M	200801115	ECE	II year	В	Р
IIKANDAN S	200801507	ECE	II year	В	Р
m sundar s	200801511	ECE	II year	В	Р
Jesima G	200801144	ECE	II year	С	Р
a Dharshini A	200801161	ECE	II year	С	Р
a sharon.T	200801170	ECE	II year	С	Р
ana Priya N S	200801181	ECE	II year	C	Р
ana Vignesh A	200801182	ECE	II year	С	Р
sh	200801183	ECE	II year	С	Р
anarayanan.S.K	200801186	ECE	II year	С	Р
anarayanan.T	200801187	ECE	II year	С	Р
niyasri A	200801201	ECE	II year	D	Р
AM R	200801194	ECE	II year	D	Р
YA A	200801198	ECE	II year	D	Р
niyasri A	200801201		II year	D	Р
niyasri A	200801201		II year	D	Р
niy	asri A	vasri A 200801201 vasri A 200801201	A A         200801198           vasri A         200801201           vasri A         200801201	A A200801198II yearyasri A200801201ECEII yearyasri A200801201ECEII year	A A200801198II yearDyasri A200801201ECEII yearDyasri A200801201ECEII yearD



28	SREE BHUVANA S	200801203	ECE	II year	D	Р
29	Sreenidhi P	200801204	ECE	II year	D	Р
30	Srividhya s	200801210	ECE	II year	D	Р
31	S.SUDHARSON	200801216	ECE	II year	D	Р
32	Suryanarayanan V	200801223	ECE	II year	D	Р
33	Thiyaneshwaran	200801232	ECE	II year	D	Р
34	B. VIJAYARAM	200801244	ECE	II year	D	Р
35	Anindita	190801010	ECE	III year	A	Р
36	Deepika s	190801030	ECE	III year	A	Р
37	Ezhil Maran	190801042	ECE	III year	A	Р
38	Gayathri. G	190801044	ECE	III year	А	Р
39	Gopinath P	190801051	ECE	III year	А	Р
40	Gowthamkumar.S	190801053	ECE	III year	В	Р
41	Haakash. I	190801054	ECE	III year	В	Р
42	Hari.S	190801057	ECE	III year	В	Р
43	Harish G	190801061	ECE	III year	В	Р
44	Harish. T	190801062	ECE	III year	В	Р
45	Janashree k	190801065	ECE	III year	В	Р
46	Jayapreethi.t	190801069	ECE	III year	В	Р
47	S KARTHIK VIGNESH	190801079	ECE	III year	В	Р
48	Karthikeyan A	190801080	ECE	III year	В	Р
49	Karthikeyan.H	190801081	ECE	III year	В	Р
50	Kishore B	190801090	ECE	III year	В	Р
51	Kishore P	190801091	ECE	III year	В	Р
52	Lakshmi viyamesh	190801094	ECE	III year	В	Р
53	Mathan raj J	190801097	ECE	III year	В	Р
54	SARANMONY R	190801505	ECE	III year	В	Р
55	Saran raj J	190801151	ECE	III year	С	Р
56	SARVESWARAN S	190801154	ECE	III year	D	Р



57	Sayad Pervez B	190801155	ECE	III year	D	Р
58	Sejal jha	190801156	ECE	III year	D	Р
59	Shankar J	190801159	ECE	III year	D	Р
60	R.sharnisha	190801160	ECE	III year	D	Р
61	Soundarya B	190801167	ECE	III year	D	Р
62	Sriraman S	190801169	ECE	III year	D	Р
63	Srivasan. L	190801170	ECE	III year	D	Р
64	Sruthilaya S	190801171	ECE	III year	D	Р
65	Tamizh Kumaran L	190801180	ECE	III year	D	Р
66	ULAGARAJA J	190801184	ECE	III year	D	Р
67	Vignesh GJ	190801191	ECE	III year	D	Р
68	VIGNESH P	190801192	ECE	III year	D	Р
69	VIGNESH S	190801193	ECE	III year	D	Р
70	Yogendra Kumar	190801201	ECE	III year	D	Р
71	KANNAN T	190801206	ECE	III year	D	Р
71	MADHAVAN T	200901041	EEE	II year	А	Р
73	Amirthavarshini A	200901006	EEE	II year	А	Р
74	Amith M	200901007	EEE	II year	А	Р
75	Ashika.P.G	200901009	EEE	II year	А	Р
76	JAINAM S MARDIA	200901033	EEE	II year	А	Р
77	Kousalya	200901038	EEE	II year	Α	Р
78	V.LOGESHWARAN	200901039	EEE	II year	Α	Р
79	SELVA PREVIN RV	200901511	EEE	II year	А	Р
80	MOGESH KANNA S	200901049	EEE	II year	В	Р
81	Mugilan J	200901051	EEE	II year	В	Р
82	A.Muthu Balasubramanian	200901052	EEE	II year	В	Р
83	Raghul G	200901058	EEE	II year	В	Р
84	Raghul G	200901058	EEE	II year	В	Р
85	T Rajasekar	200901060	EEE	II year	В	Р



86	Sampurni.B	200901063	EEE	II year	В	Р
87	N.Sowthambika	200901074	EEE	II year	В	Р
88	SREENATH	200901075	EEE	II year	В	Р
89	Srimathi R	200901077	EEE	II year	В	Р
90	V.thanish	200901082	EEE	II year	В	Р
91	Tharun Kumar V	200901083	EEE	II year	В	Р
92	Varshini	200901085	EEE	II year	В	Р
93	N.S.VENKATAVARADHAN	200901086	EEE	II year	В	Р
94	Vetrivel	200901087	EEE	II year	В	Р
95	Vijay V	200901090	EEE	II year	В	Р
96	Vinudha. K	200901092	EEE	II year	В	Р
97	NASI Praveen Kumar	200901502	EEE	II year	В	Р
98	Arshad parvez M	200901510	EEE	II year	В	Р
99	Venkatesh G	200901238	EEE	II year	D	Р
100	VIGNESH PRABHU S	200901515	EEE	II year	В	Р

EVENT CO-ORDINATOR

HOD/ECE

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J. N. Mereym

# Photographs



Inauguration of the Guest lecture by the head of the department on 28.04.2022 at purple hall, REC.



Guest lecture by Mr. J. Hareesh on 28.04.2022 at purple hall, REC.



J. N. Hun PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105.

# Feedback from participants

Feedback from the Participants S.No	Name	Register number	Dept	Ycar	Section	Mobile number	Mail ID	How was the overall organization of the lecture?	How relevant was the content discussed by the speaker?	How much interesting this session was for you?	Did the lecture cover what you were expecting?	What is your opinion about the speaker?	How much this session was useful from the knowledge and information point of view	Overall effectiveness of the lecture
1	Sowmiyas ri A	20080120 1	ECE	II year	D	988445664 0	200801201@rajalakshmi .edu.in	4	4	3	3	3	4	3
2	Sathyanara yanan.S.K	20080118	ECE	II year	C	979147126 6	200801186@rajalakshmi .edu.in	5	5	5	5	5	5	5
3	Karthick Ashwin.R	20080109 4	ECE	II year	В	701076083	200801094@rajalakshmi .edu.in	4	5	5	5	5	4	4
4	Sreenidhi P	20080120 4	ECE	II year	D	824813493 5	200801204@rajalakshmi .edu.in	4	5	4	5	4	5	4
5	KARTHIC K.E	20080109 5	ECE	II year	В	877828644 1	200801095@rajalakshmi .edu.in	5	5	5	5	5	5	5
6	JAIKRISH NAA V	20080108 6	ECE	II year	В	638344529 4	200801086@rajalakshmi .edu.in	4	5	4	4	5	4	5
7	Sathyanara yanan.T	20080118 7	ECE	II year	С	934582982 3	200801187@rajalakshmi .edu.in	5	5	5	5	5	5	5
8	Saravana Vignesh A	20080118 2	ECE	II year	С	893942644 0	200801182@rajalakshmi .edu.in	4	4	4	2	5	1	2
9	Sowmiyas ri A	20080120 1	ECE	II year	D	988445664 0	200801201@rajalakshmi .edu.in	5	5	5	5	5	5	5
10	SREE BHUVAN A S	20080120 3	ECE	II year	D	984089739 7	200801203@rajalakshmi .edu.in	5	5	5	5	5	5	5
11	SHYAM R	20080119 4	ECE	II year	D	814472200 7	200801194@rajalakshmi .edu.in	4	4	4	3	4	3	4
12	Keerthiku mar J	20080110 8	ECE	II year	В	984161080 8	200801108@rajalakshmi .edu.in	5	5	5	4	5	5	5
13	MANIKA NDAN S	20080150 7	ECE	II year	В	638344442 8	maniks56589@gmail.co m	5	5	5	5	5	5	5
14	Shyam sundar s	20080151	ECE	II year	В	770835565	200801511@rajalakshmi .edu.in	4	5	4	4	4	5	4
15	Saravana Priya N S	20080118	ECE	II year	С	769590717 1	200801181@rajalakshmi .edu.in	5	5	5	5	5	5	5
16	Thiyanesh waran	20080123 2	ECE	II year	D	638394829 9	200801232@rajalakshmi .edu.in	5	5	5	5	5	5	5
17	S.SUDHA RSON	20080121 6	ECE	II year	D	9 962929938 9	.edu.in 200801216@rajalakshmi .edu.i	5	5	5	5	5	5	5
18	Suryanara yanan V	20080122 3	ECE	II	D	861063234 7	200801223@rajalakshmi	5	5	5	5	5	5	5
	yanan v	ر		year		IN ENGINEERIN	.edu.in	-	(). F		vo	-		



19	CHAITA NYA REDDY M	20080104	ECE	II year	A	807268227 6	200801048@rajalakshmi .edu.in	5	5	5	5	5	5	5
20	Rasiga Dharshini A	20080116 1	ECE	II year	С	638296052 7	200801161@rajalakshmi .edu.in	5	4	2	3	5	3	2
21	Anirudhan K	20080102	ECE	II year	A	+91948674 8923	200801022@rajalakshmi .edu.in	5	5	5	4	5	5	5
22	SONIYA A	20080119	ECE	II year	D	868109410 9	200801198@rajalakshmi .edu.in	4	4	4	4	4	4	4
23	Aathishwa ran	20080100 4	ECE	II year	A	755014330 2	200801004@rajalakshmi .edu.in	5	5	5	5	5	5	5
24	B. VIJAYAR AM	20080124 4	ECE	II year	D	950017422 3	200801244@rajalakshmi .edu.in	5	5	5	5	5	5	5
25	Sarvesh	20080118	ECE	II year	С	934432384 0	200801183@rajalakshmi .edu.in	5	5	5	5	5	5	5
26	Noor Jesima G	20080114	ECE	II year	С	866737937 9	200801144@rajalakshmi .edu.in	5	5	5	5	5	5	5
27	Srividhya	20080121	ECE	II year	D	908057314	200801210@rajalakshmi .edu.in	4	4	4	4	4	4	4
28	Krithika M	20080111	ECE	II year	В	892512925 0	200801115@rajalakshmi .edu.in	5	5	5	5	5	5	5
29	Kishore Kumaar K S	20080111 2	ECE	II year	в	875441314 1	200801112@rajalakshmi .edu.in	5	5	5	5	5	5	5
30	KISHORE KUMAR N V	20080111 3	ECE	II year	В	996221245 6	200801113@rajalakshmi .edu.in	4	5	5	5	5	5	5
31	Ajay Krishna S	20080101 2	ECE	II year	A	638148933 1	200801012@rajalakshmi .edu.in	5	5	4	5	5	5	4
32	R Kirti Priyanka	20080111	ECE	II year	В	787121739 5	rksakura2003@gmail.co m	5	5	4	4	5	5	4
33	Sajitha sharon.T	20080117	ECE	II year	С	917616632 9	200801170@rajalakshmi .edu.in	5	5	5	5	5	5	5
34	Afrin shehnaz	19080100 5	ECE	III year	A	733888277 1	afrinshehnaz.r.2019.ece @rajalakshmi.edu.in	4	4	4	4	4	4	4
35	Sayad Pervez B	19080115 5	ECE	III year	D	790429672 7	sayadpervez.b.2019.ece @rajalakshmi.edu.in	5	5	5	5	5	5	5
36	Tamizh Kumaran L	19080118 0	ECE	III year	D	812225128 4	tamizhkumaran.l.2019.ec e@rajalakshmi.edu.in	5	5	5	5	5	5	5
37	Harish G	19080106 1	ECE	III year	В	960039531 5	harish.g.2019.ece@rajala kshmi.edu.in	4	5	5	5	5	5	5
38	ULAGAR AJA J	19080118 4	ECE	III year	D	908088240 6	ulagaraja.j.2019.ece@raj alakshmi.edu.in	5	5	4	5	5	5	4
39	SARANM ONY R	19080150 5	ECE	III year	В	944466654 3	saranmony.r.2019.ece@r ajalakshmi.edu.in	5	5	4	4	5	5	4
40	VIGNESH S	19080119 3	ECE	III year	D	900378341 6	vignesh.s.2019.ece@raja lakshmi.edu.in	5	5	5	5	5	5	5
41	Srivasan. L	19080117 0	ECE	III year	D	996223071 0	srivasan.1.2019.ece@raja lakshmi.edu.in	4	4	4	4	4	4	4
42	Saran raj J	19080115 1	ECE	III year	С	735857847 7	saranraj.j.2019.ece@raja lakshmi.edu.in	5	5	5	5	5	5	5
43	Harish. T	19080106 2	ECE	III year	В	636979248 1	harish.t.2019.ece@rajala kshmi.edu.in	5	5	5	5	5	5	5
44	Sriraman S	19080116 9	ECE	III year	D	994009086 6	sriraman.s.2019.ece@raj alakshmi.edu.in	4	5	5	5	5	5	5
45	Hari.S	19080105 7	ECE	III year	В	638247592 5	hari.s.2019.ece@rajalaks hmi.edu.in	5	5	4	5	5	5	4
46	Gopinath P	19080105 1	ECE	III year	A	936010006 0	gopinath.p.2019.ece@raj alakshmi.edu.in	5	5	4	4	5	5	4
47	R.sharnish a	19080116 0	ECE	III year	D	908033970 7	sharnisha.r.2019.ece@raj alakshmi.edu.in	5	5	5	5	5	5	5



48	Yogendra Kumar	19080120	ECE	III vear	D	882595580	yogendrakumar.s.2019.e ce@rajalakshmi.edu.in	4	4	4	4	4	4	4
49	Haakash. I	19080105 4	ECE	III year	В	915930851 4	haakash.i.2019.ece@raja lakshmi.edu.in	5	5	5	5	5	5	5
50	Mathan raj	19080109 7	ECE	III year	В	934442408	mathanraj.j.2019.ece@ra jalakshmi.edu.in	5	5	5	5	5	5	5
51	Gowthamk umar.S	19080105 3	ECE	III year	В	739598843 4	gowthamkumar.s.2019.e ce@rajalakshmi.edu.in	4	5	5	5	5	5	5
52	Kishore P	19080109	ECE	III year	В	638239329 87	kishore.p.2019.ece@raja lakshmi.edu.in	5	5	4	5	5	5	4
53	Kishore B	19080109 0	ECE	III year	В	936034366	kishore.b.2019.ece@raja lakshmi.edu.in	5	5	4	4	5	5	4
54	Soundarya B	19080116 7	ECE	III year	D	787190135	soundarya.b.2019.ece@r ajalakshmi.edu.in	5	5	5	5	5	5	5
55	Janashree k	19080106	ECE	III year	В	936076889 7	Janashree.k.2019.ece@ra jalakshmi.edu.in	4	4	4	4	4	4	4
56	Lakshmi viyamesh	19080109 4	ECE	III year	В	739589090 1	lakshmiviyamesh.r.2019. ece@rajalakshmi.edu.in	5	5	5	5	5	5	5
57	SARVES WARAN S	19080115 4	ECE	III year	D	938573745 9	sarveswaran.s.2019.ece @rajalakshmi.edu.in	5	5	5	5	5	5	5
58	Sejal jha	19080115 6	ECE	III year	D	+91 91507 30190	sejal.jha.2019.ece@rajal akshmi.edu.in	4	5	5	5	5	5	5
59	S KARTHI K VIGNESH	19080107 9	ECE	III year	в	959764650 9	karthikvignesh.s.2019.ec e@rajalakshmi.edu.in	5	5	4	5	5	5	4
60	Jayapreeth i.t	19080106 9	ECE	III year	В	875462444 3	jayapreethi.t.2019.ece@r ajalakshmi.edu.in	5	5	4	4	5	5	4
61	Vignesh	19080119 1	ECE	III year	D	814854179 4	vignesh.gj.2019.ece@raj alakshmi.edu.in	5	5	5	5	5	5	5
62	KANNAN T	19080120 6	ECE	III year	D	830096919 9	kannan.t.2019.ece@rajal akshmi.edu.in	4	4	4	4	4	4	4
63	Karthikeya n.H	19080108 1	ECE	III year	В	955164682 6	Karthikeyan.h.2019.ece @rajalakshmi.edu.in	5	5	5	5	5	5	5
64	Shankar J	19080115 9	ECE	III year	D	965518199 2	shankar.j.2019.ece@rajal akshmi.edu.in	5	5	5	5	5	5	5
65	Ezhil Maran	19080104 2	ECE	III year	Α	944595656 3	ezhilmaran.v.2019.ece@ rajalakshmi.edu.in	4	5	5	5	5	5	5
66	VIGNESH P	19080119 2	ECE	III year	D	989476888 2	vignesh.p.2019.ece@raja lakshmi.edu.in	5	5	4	5	5	5	4
67	Gayathri. G	19080104 4	ECE	III year	A	638082850 5	gayathri.g.2019.ece@raj alakshmi.edu.in	5	5	4	4	5	5	4
68	Deepika s	19080104 4	ECE	III year	A	917626676 8	deepika.s.2019.ece@raja lakshmi.edu.in	4	4	3	3	3	4	3
69	Sruthilaya S	19080117 1	ECE	III year	D	638153139 3	sruthilaya.s.2019.ece@ra jalakshmi.edu.in	5	5	5	5	5	5	5
70	Karthikeya n A	19080108 0	ECE	III year	В	887029062 8	karthikeyan.a.2019.ece@ rajalakshmi.edu.in	4	5	5	5	5	4	4
71	Anindita	19080101 0	ECE	III year	A	936103121 4	aninditav.pillai.2019.ece @rajalakshmi.edu.in	4	5	4	5	4	5	4
72	Vetrivel	20090108 7	EEE	II year	В	770803967 5	vetrivel10902@gmail.co m	5	5	5	5	5	5	5
73	Vijay V	20090109 0	EEE	II year	В	934472532 2	200901090@rajalakshmi .edu.in	4	5	4	4	5	4	5
74	Arshad parvez M	20090151 0	EEE	II year	В	994294838 5	200901510@rajalakshmi .edu.in	5	5	5	5	5	5	5
75	Venkatesh G	20080123 8	EEE	II year	D	637923645 5	200801238@rajalakshmi .edu.in	4	4	4	2	5	1	2
76	Tharun Kumar V	20090108 3	EEE	II year	В	733925837 2	200901083@rajalakshmi .edu.in	5	5	5	5	5	5	5
77	MOGESH KANNA S	20090104 9	EEE	II year	В	805601950 7	200901049@rajalakshmi .edu.in	5	5	5	5	5	5	5
78	Mugilan J	20090105 1	EEE	II year	В	733943640 0	200901051@rajalakshmi .edu.in	4	4	4	3	4	3	4



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79	A.Muthu Balasubra manian	20090105	EEE	II year	В	988414812 5	200901052@rajalakshmi .edu.in	5	5	5	4	5	5	5
80	Raghul G	20090105 8	EEE	II year	B	73580 63922	200901058@rajalakshmi .edu.in	5	5	5	5	5	5	5
81	N.Sowtha mbika	20090107 4	EEE	II year	В	936049648 6	200901074@rajalakshmi .edu.in	4	5	4	4	4	5	4
82	Sampurni. B	20090106 3	EEE	II year	В	638155099 3	200901063@rajalakshmi .edu.in	5	5	5	5	5	5	5
83	T Rajasekar	20090106 0	EEE	II year	В	638392443 9	200901060@rajalakshmi .edu.in	5	5	5	5	5	5	5
84	MADHA VAN T	20090104 1	EEE	II year	A	887016520 9	200901041@rajalakshmi .edu.in	4	4	3	3	3	4	3
85	Vinudha. K	20090109 2	EEE	II year	В	807292960 8	200901092@rajalakshmi .edu.in	5	5	5	5	5	5	5
86	Varshini	20090108	EEE	II year	В	999497054 9	200901085@rajalakshmi .edu.in	4	5	5	5	5	4	4
87	Srimathi R	20090107 7@rajalak shmi.edu.i n	EEE	II year	в	868094841 9	200901077@rajalakshmi .edu.in	4	5	4	5	4	5	4
88	V.thanish	20090108 2	EEE	II year	В	790464685 4	200901082@rajalakshmi m.edu.in	5	5	5	5	5	5	5
89	NASI Praveen Kumar	20090150 2	EEE	II year	В	863925134 7	200901502@rajalakshmi .edu.in	4	5	4	4	5	4	5
90	VIGNESH PRABHU S	20090151 5	EEE	II year	В	959716562 4	200901515@rajalakshmi .edu.in	5	5	5	5	5	5	5
91	Raghul G	20090105 8	EEE	II year	В	73580 63922	200901058@rajalakshmi .edu.in	4	4	4	2	5	1	2
92	SREENA TH	20090107 5	EEE	II year	В	893941452 0	200901075@rajalakshmi .edu.in	5	5	5	5	5	5	5
93	N.S.VEN KATAVA RADHAN	20090108 6	EEE	II year	В	900305762 4	200901086@rajalakshmi .edu.in	5	5	5	5	5	5	5
94	Kousalya	20090103 8	EEE	II year	A	720056172 8	200901038@rajalakshmi .edu.in	4	4	4	3	4	3	4
95	JAINAM S MARDIA	20090103 3	EEE	II year	A	984005719 6	200901033@rajalakshmi .edu.in	5	5	5	4	5	5	5
96	V.LOGES HWARA N	20090103 9	EEE	II year	A	938462123 9	200901039@rajalakshmi .edu.in	5	5	5	5	5	5	5
97	Ashika.P. G	20090100 9	EEE	II year	A	962940195 0	200901009@rajalakshmi .edu.in	4	5	4	4	4	5	4
98	Amirthava rshini A	20090100 6	EEE	II year	A	811098183 9	200901006@rajalakshmi .edu.in	5	5	5	5	5	5	5
99	SELVA PREVIN RV	20090151 1	EEE	II year	A	824869606 6	200901511@rajalakshmi .edu.in	5	5	5	5	5	5	5
100	Amith M	20090100 7	EEE	II year	A	892528023 1	200901007@rajalakshmi .edu.in	5	5	5	5	5	5	5



**Feedback Analysis** 



J. N. Humpon

			110 to the set			
	RAJALAKSHMI ENGIN	EERING CO	DLLEGE, AUT	ONOM	OUS	
	DEPA	ARTMENT C	<b>DF ECE</b>			
	Sun	imary on Fee	dback			
	Guest Lecture on "Emerg	ing Trends in	n Microcontrol	ler Indus	stry"	
	E	Dates: 28.04.2	022			
	То	tal Strength =	= 100			
Q.No.	Questions	Excellent	Very Good	Good	Moderate	Poor
Q1	How was the overall organization of the lecture?	66	34	0	0	0
Q2	How relevant was the content discussed by the speaker?	83	17	0	0	0
Q3	How much interesting this session was for you?	62	34	3	1	0
Q4	Did the lecture cover what you were expecting?	67	23	7	3	0
Q5	What is your opinion about the speaker?	81	16	3	0	0
Q6	How much this session was useful from the knowledge and information point of view	77	16	4	0	3
Q7	Overall effectiveness of the lecture	62	31	3	4	0



CO-ORDINATOR EVE

Normig. Hod/ECE

Feedback from the speakers

# **RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS)** DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

# FEEDBACK FROM THE SPEAKER X 143

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Speaker name:	Hareesh J
Designation:	Mcu Application Engineer
Institution/university/organization:	Texas Instruments
Title of the lecture:	Emerging Trends in Micrasholler Inde
Date:	28/04/22
Time:	10.30 am
Venue:	Purphe hall
Comments:	Shidents were interactive and it was a interesting senion
Signature of the speaker:	Thank



S. D. Hum

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

### Sample Certificate





J. D. Hunger

### **Event Report**

16

#### **Report on Guest Lecture**

Venue	: Purple Hall, Rajalakshmi Engineering College
Date of Event	: 28.04.2022
Торіс	: Emerging Trends in Microcontroller Industry
Speaker details	: Mr.Hareesh J
	MCU Applications Engineer, Texas Instruments, Houston. USA
Target audience	: ECE & EEE students
Attendance	: 100

#### **Brief description:**

Dr. M. Palanivelan, HoD/ECE, has welcomed the gathering and briefed the importance of Microcontroller and its Industrial applications. Mr.Hareesh J delivered a talk on "Emerging Trends in Microcontroller Industry". Microcontroller (MCU) based Embedded Systems have become ubiquitous in modern electronic equipment. Once found solely in industrial electronic systems, MCUs have made inroads into consumer electronic equipment as well. In the current scenario, it is imperative for aspiring electrical engineers to have a sound understanding of MCU architecture, capabilities. This seminar gives a good overview of how to choose the right MCU for an application, aspects to consider for a robust design and the debug approach.

CO-ORDINATOR

HOD/ ECE



5.N. M

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

# **RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS)**

1 1

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

# Fulbright-Nehru Specialist Program

# Guest lecture on "Interdisciplinary Research - Challenges & Opportunities"

Sl. No.	Details
1	Approval Letter
2	Information mail
3	Brochure
4	Communication with Speakers
5	Speaker Profile (s)
6	List of Participants
7	Attendance
8	Photographs
9	Feedback from the Participants
10	Feedback from the speakers
11	Event Report



D. D. Humpon PRINCIPAL. RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

Approval letter \_Selection Notification

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FULBRIGHT ISIE www.usief.org.in September 10, 2020 Dr. L. Sujatha Professor Department of Electronic and Communication Engineering Rajalakshmi Engineering College Rajalakshmi Nagar, Thandalam Chennai - 602105 Tamil Nadu Subject: Rajalakshmi Engineering College's Application for Hosting a Fulbright-Nehru Specialist in 2020-21 Dear Dr. Sujatha, Greetings from the United States-India Educational Foundation (USIEF). I am pleased to inform you that USIEF has selected your institution's application to host a U.S. expert in the specialized area of Engineering Education under the Fulbright-Nehru Specialist Program. My colleague Dr. Girish Kaul (girish@usief.org.in) will be in touch with you to reconfirm fulfilment of required criteria to award the grant. Subsequently, USIEF will forward your application to World Learning, our collaborating agency in the Washington, D.C. for further consideration. World Learning is the final grant approving authority. Sincerely. Adam J. Grotsky Executive Director 2 United States-India Educational Foundation United Status india Educationi a constanti organizzation established by Ereaty in 1950 12 Haley Road, New Delle 10 001, India Educational organizzation established by Ereaty in 1950 12 Haley Road, New Delle 10 001, India Education Education (Statistical Education) Animal Island and Island 251 Island Balance Balance Balance, Island Education (Statistical Education) Animal Island Island Island 251 Island Balance Balance Island Education (Statistical Education) Animal Island Island Island 151 Island Balance Balance Island Island Education (Statistical Education) Island Isla



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### Approval Notification/ Communication with the speaker

EVLBRIGHT 2 December 2021 **Fulbright Specialist Program Project Approval Notification** Project ID: FSP-P006478 Host Institution: Rajalakshmi Engineering College Country: India I am pleased to inform you that the above project has been approved by the U.S. Department of State, Bureau of Educational and Cultural Affairs, to host Fulbright Specialist Bruce Gale for a total of 17 days with dates to be determined. This project will be administered by World Learning, an implementing partner of the U.S. Department of State. The U.S. Department of State will provide funding for the Specialist's international airfare, a limited health benefits plan, a \$100 transit allowance, and an honorarium of \$200 per day. The total amount paid directly to the Specialist under this grant will be \$3,500. Rajalakshmi Engineering College will provide funding to cover the Specialist's in-country travel, meals and lodging in the amount of \$2,500. I hope that this exchange results in lasting benefits for Rajalakshmi Engineering College and builds new connections between India and the United States. Congratulations on your project's approval. Sincerely. Emma & Bettiol Emma L Bettiol **Program Associate** Fulbright Specialist Program World Learning Emma bettiol/a worldlearning.org World Learning



3. D. Leurger

#### **Information mail**



Sujatha L <sujatha.l@rajalakshmi.edu.in>

Sushma S Jagtap <sushmasjagtap@rajalakshmi.edu.in>

# Nehru Fulbright Specialist Program - Visit of Prof. Bruce K Gale from 28th Mar 2022 to 8th April 2022

5 messages

Wed\_Mar 16, 2022 at 8:02 PM

To: Abhay S Meganathan <abhay@rajalakshmi.edu.in>, "Dr. Mrs. Thangam Meganathan" <chairperson@rajalakshmi.edu.in>, "Dr S. N. Murugesan REC" <principal@rajalakshmi.edu.in>, Muthukrishnan CR <advisor@rajalakshmi.edu.in>, Philip Praveen I <philippraveen.i@rajalakshmi.edu.in>, Gopi BR <manager.it@rajalakshmi.edu.in>, Senior Administrative Officer REC <sao@rajalakshmi.edu.in>, Admin REC <admin@rajalakshmi.edu.in>, HODs <rec.hods@rajalakshmi.edu.in>, COE REC <coe@rajalakshmi.edu.in>, REC Faculty

#### Dear Sir/Madam,

Prof Gale is giving talks on three categories namely Professional development Talks, Lecture Series and Research Reports Discussions.

- Professional Development Talks are common to all departments and hence I request all the HoDs to nominate not exceeding 4 faculty members from each department. These faculty members should attend all the professional development talks and they should not leave the hall in the middle.
- 2. Lecture series are mainly for students and faculty of BT, FT, Chem, BME, Mech and ECE Engineering Departments and hence I request the respective departments to nominate not exceeding 15 bright and interested students. The above departments can send not exceeding 4 faculty members to attend the lecture series. Same students and faculty members should attend all the series of lectures. No one should leave the hall in the middle. Guide the students to register for lecture series by giving the respective links to the selected candidates.
- Prof Gale would like to discuss his research reports. I request the HoDs of BT and BME departments to nominate at least 10 faculty members from each department. Other departments can send the interested faculty members from their department.
- Professional Development talk PD-5 is on "Discussion on Assessments/ Evaluations". I request the HoDs and CoE team to attend.
- Professional Development Talk PD-6 is on "Discussion on developing academic curricula for BT/BME/ME. I request the senior faculty members of the respective departments to participate.

Please refer to the detailed agenda attached herewith.

Registration for all talks/ discussions is mandatory. The 2nd dose of Vaccination certificate has to be uploaded during registration. No registration fee is required.

Please find the links for registrations.

Professional Development talks (PD) for faculty of various departments https://forms.gle/H5sPZqD1G5Dfrh7W9

Lecture Series (Technical talks) (LS) for students and faculty of various departments https://forms.gle/RugwUrBCB2RCwmp97

Research Reports (RR) for interested faculty members from various departments https://forms.gle/T3ZEXXtd32B1JuCv5

Thank you,

With regards, Dr. L. Sujatha, Professor / Dept. of ECE Head, Centre of Excellence in MEMS & Microfluidics Rajalakshmi Engineering College, Chennai 602105 Mob: +91 9444 847007

Researchgate:

https://www.researchgate.net/profile/Sujatha\_Lakshmi\_Narayanan/stats/report/weekly/2019-06-02 Google Scholar:



S.N.Lung PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.



#### **Compendium of Research Activities at CEMM** 2 messages

#### Sujatha L <sujatha.l@rajalakshmi.edu.in>

Sat, Apr 9, 2022 at 2:47 PM

To: "Dr. Mrs. Thangam Meganathan" <chairperson@rajalakshmi.edu.in>, Abhay S Meganathan <abhay@rajalakshmi.edu.in>, Muthukrishnan CR <advisor@rajalakshmi.edu.in>, "Dr S. N. Muruqesan REC" <principal@rajalakshmi.edu.in>, "Dr VM8 Dean Academics REC, Chennai" <dean.academics@rajalakshmi.edu.in>, HODs <rec.hods@rajalakshmi.edu.in>, REC Faculty <recfaculty@rajalakshmi.edu.in>, Students <students@rajalakshmi.edu.in>, "Dr. R. Sundar . <director@ntchennai.edu.in>, Senior Administrative Officer REC <sao@rajalakshmi.edu.in>, Gopi BR <manager.it@rajalakshmi.edu.in>, Philip Praveen I <philippraveen.i@rajalakshmi.edu.in>, Training REC <training@rajalakshmi.edu.in>

#### Dear Sir/Madam.

It is a pleasure to inform you that the compendium of research activities at CEMM is released by Prof Bruce K Gale, Chair, Mechanical Engineering, University of Utah, USA, Fulbright-Nehru Specialist on 8th April 2022.

#### The soft copy of the compendium is attached herewith for your kind reference.

The compendium includes the details of the sponsored projects, facilities at the centre, publications and testimonials.

Our special thanks to our beloved Chairperson and Vice Chairman for their motivation and support in creating the clean room infrastructure and sophisticated equipment. Our sincere thanks to our Advisor and Principal for their guidance.

Also, we thank the Dean, Head of the Departments, colleagues, staff and students of our college for their wonderful support in bringing out this compendium.

Expecting more support in the future too.

Thank you,

With regards, Dr. L. Sujatha, Professor / Dept. of ECE Head, Centre of Excellence in MEMS & Microfluidics Rajalakshmi Engineering College, Chennai 602105 Mob: +91 9444 847007

Researchgate: https://www.researchgate.net/profile/Sujatha\_Lakshmi\_Narayanan/stats/report/weekly/2019-06-02 Google Scholar https://scholar.google.co.in/citations?user=qn4o0kgAAAAJ&hl=en

2 attachments



Compendium release photo.jpg 147K

CEMM COMPENDIUM.pdf



J. D. Mun
**Event Brochure** 





# Welcome PROF BRUCE K GALE, Mechanical Engineering Chair and Professor

University of Utah Nehru-Fulbright Specialist

to our campus for exchanging knowledge and establishing partnerships through a variety of educational and training activities

28th March 2022 - 8th April 2022



3. N. Mu PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

**Program Schedule** 

# RAJALAKSHMI ENGINEERING COLLEGE, CHENNAI – 602105. DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEEERING

### Fulbright-Nehru Specialist Program

### **Program Schedule**

Guest lecture on "Interdisciplinary Research – Challenges & Opportunities"

Speaker: Prof. Bruce K Gale

Date: 29<sup>th</sup> Mar 2022

Time: 9.00 am to 12.00 am

Venue: Purple Hall



S.N. remp.

PRINCIPAL. RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

### **Speaker Profile**



### Prof. Bruce K Gale

### Rajalakshmi Engineering College, Chennai – 602105

### Fulbright-Nehru Specialist Program, United States-India Educational Foundation (USIEF)

United States-India Educational Foundation (USIEF) collaborating with World Learning has approved the grants to host an U.S. expert to visit India in the specialized area of Engineering Education under the Fulbright-Nehru Specialist Program. Under this scheme, **Prof. Bruce K Gale**, Professor and Chair, Department of Mechanical Engineering, University of Utah, USA is visiting Rajalakshmi Engineering College from 28<sup>th</sup> March 2022 to 8<sup>th</sup> April 2022.

Prof Gale had received his BS in Mechanical Engineering from Brigham Young University in 1995 and PhD in Bioengineering from University of Utah in 1999. Prof. Gale is currently the Director of the Utah State Center of Excellence for Biomedical Microfluidics and an Associate Professor of Mechanical Engineering at the University of Utah since 2001. He has three primary research areas: (1) microfluidics and micro-total-analysis systems ( $\mu$ TAS) for research and diagnostic purposes (2) microscale medical devices that typically include microfluidics and (3) field flow fractionation for characterization of nanoparticles. He has more than 20 years of teaching experience and he is also the founder and Chairman of several industries. He has completed several sponsored projects and his current projects include Reconfigurable Antenna, Multiplexed Ion Detection, Epilepsy Diagnostics using Nanopores, Rapid processing of zebrafish embryos for mutant generation, Sperm sample preparation for point of care applications, an Integrated Biohazard Analyzer for Multiplexed Food and Water Pathogens etc. Prof Gale had received several awards namely Distinguished Research Award in 2020, Honouree in the Entrepreneur Category in 2019 & 2018, Researcher of the year 2016, TVC Star Award in 2016 etc.



JN. Hu

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

### **List of Participants**

		Fulbright-Nehru Spec		
	Guest lect	ure on "Interdisciplinary Resear	ch – Challenges & Op	portunities"
	r	Prof. Bruce K Gale (2		
<u>s.no</u> .	REGISTER NO.	NAME	CLASS & SECTION	DEPT
1	200801075	Harikarthikeyan	II B	ECE
2	200801173	Sanjay Kumar A	II C	ECE
3	190801208	Raghuram	III D	ECE
4	190801135	Raya Rohith Yadav	III C	ECE
5	190801142	Sakthivel	III C	ECE
6	190801112	Pavithra Lakshmanam	III C	ECE
7	190801082	Kavinkumar G	III B	ECE
8	200801039	Balaganesh G	II A	ECE
9	200801003	Aarthi.M	II A	ECE
10	190801177	S.Swathika	III D	ECE
11	190801016	Ashwin Balaji B	III A	ECE
12	190801033	Dev Adhithya M	III A	ECE
13	190801502	Vishwa M	III A	ECE
14	191301015	Jeevanandham.S	III A	FT
15	200801089	Johannes Shelson J	II B	ECE
16	180301087	Sumaiya MR	IV B	BME
17	190301052	Noel Matthew Thomas	III A	BME
18	180301011	Bhuvaneshwari A	IV A	BME
19	180301044	Nirmal Raj. A	IV A	BME
20	190301064	Rakshita C J	III B	BME
21	190301053	D. Pavithrajanani	III B	BME
22	180301026	Karishma A	IV A	BME
23	190301070	V A Sairam	III B	BME
24	200801066	Ganesh Kumar C	II B	ECE
25	180301070	P.Satheesh Raja	IV B	BME
26	180301020	Girijaa M	IV A	BME
27	180301043	Neppalli Satish Chowdary	IV A	BME
28	191301010	Jagatheeshwar A G	IV A	FT
29	191301033	Prithvi Ram R	III A	FT
30	191301008	Fathima Farhana M.F	III A	FT
31	191301038	Roshan B	III A	FT
32	191301052	Yogaraj	III A	FT
33	191301012	Janaviga.J.S	III A	FT
34	191301046	Srinivasan	III A	FT
35	191301027	Nagadevi M	III A	FT
36	191301006	Devi K S	III A	FT
37	191301024	Mithulesh T. V.	III A	FT



PRINCIPAL PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.

38	191301021	Kirthika.L	III A	FT
39	180301038	Mallika Senthil	IV A	BME
40	191301001	Abitha A	III A	FT
41	191301030	Nishita S	III A	FT
42	191301018	Kayalvizhi.R.K	III A	FT
43	190301007	Arjun Bhattacharya	III A	BME
44	190301041	S Manikandan	III A	BME
45	180301048	Poovizhi Kathiravan	IV A	BME
46	191301050	M.Vardhini	III A	FT
47	191301003	Bathuja S	III A	FT
48	180301003	Akshaya Pr	IV A	BME
49	CSRC-11	Barathwaj Muralidharan	Ph.D	CEMM
50	180901127	Umesh S	IV C	EEE
51	210801145	Preetham	II C	ECE
52	210801150	Pramodh Balaji.L	II C	ECE
53	CSRC-49	Vimalkumar.V	Ph.D	CEMM
54	CSRC 75	Caroline Pushpa J	Ph.D	CEMM
55	CSRC-44	Suganya A	Ph.D	CEMM
56	TC20	Madhankumar	SRF	CEMM
57	-	Kalaiselvi.S	Ph.D	CEMM
58	CSRC -72	Suriya Kumar S	Ph.D	CEMM
59	190401027	Ferozkhan S	III A	BT
60	190801076	Kanish R	III B	ECE
61	190401045	Kavin S	III A	BT
62	190401019	Brindha S	III A	BT
63	190401022	Deepika	III A	BT
64	190401035	Harshana Thiruvengadam	III A	BT
65	190401047	Krithika A	III A	BT
66	190401048	Krithika Anand	III A	BT
67	190401003	Agnes D	III A	BT
68	190401031	N.Gayathri	III A	BT
69	190401007	Akshaya Mukunthan	III A	BT
70	190401050	Latchiya N	III A	BT
71	190401021	Chithra	III A	BT
72	190401005	Ajeetha S	III A	BT
73	190401023	Divya Lakshmi.V	III A	BT
74	190401006	Akshay Krishna K	III A	BT
75	190401017	Bhavadharini M	III A	BT
76	190401037	Induja R	III A	BT
77	190401038	Iswarya Lakshmi S	III A	BT
78	190401012	Archana A	III A	BT
79	190401001	Aarthi B	III A	BT
80	190401008	Amarsriya A	III A	BT



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81	190401046	Kaviya V	III A	BT
82	190401040	Divyalakshmi S	III A	BT
83	190401030	Gayathri J	III A	BT
84	190401028	Ganesan M	III A	BT
85	190401032	Glory Jenifer D	III A	BT
86	190401039	Janani N	III A	BT
87	190401009	A Anukavitha	III A	BT
88	190401029	Gayathri.A.M	III A	BT
89	190401014	Avendhika Raja	III A	BT
90	190401018	Bhuvanesh A B	III A	BT
91	190401013	Arthi.S	III A	BT
92	190401041	Jerome Tarun Simon	III A	BT
93	190401004	Aishvarya.K	III A	BT
94	190401010	Aparajita Ramesh	III A	BT
95	190401049	Krithika Ananthakrishnan	III A	BT
96	190401024	Divyaa A	III A	BT
97	190401020	Chennamma Devi. T	III A	BT
98	190401011	Apoorvha J P	III A	BT
99	190401040	Jayamurugan A	III A	BT
100	190401034	A.Harini	III A	BT
101	190401043	Kaushik C	III A	BT
102	190401044	Kaushik.S	III A	BT
103	190401036	Ilavarasan Js	III A	BT
104	190401016	Bharathi A	III A	BT
105	190401015	Ayush M	III A	BT
106	190401002	Abishekwar K	III A	BT
107	210311006	Satish Kumar P	Ι	M.E. Medical electronics
108	200801109	Kirtik Soni	II B	ECE
109	210311002	Keerthana.R	I	M.E Medical Electronics
110	180301024	Jayashree S	IV A	BME
111	191301032	W Pranav	III A	FT
112	200301017	Durga R	II A	BME
113	190801098	Madhumitha	III B	ECE
114	190801087	Keerthana Hari	III B	ECE



S. N. Meny

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

### Attendance

	Guest lectur	Fulbright-Nehru Sp re on "Interdisciplinary Res			ortunities"
_		Bruce K Gale (29th Mar 20			
<u>s.no</u> .	REGISTER NO.	NAME	CLASS & SECTION	DEPT	ATTENDANCE
1	200801075	Harikarthikeyan	II B	ECE	Р
2	200801173	Sanjay Kumar A	II C	ECE	Р
3	190801208	Raghuram	III D	ECE	Р
4	190801135	Raya Rohith Yadav	III C	ECE	Р
5	190801142	Sakthivel	III C	ECE	Р
6	190801112	Pavithra Lakshmanam	III C	ECE	Р
7	190801082	Kavinkumar G	III B	ECE	Р
8	200801039	Balaganesh G	II A	ECE	Р
9	200801003	Aarthi.M	II A	ECE	Р
10	190801177	S.Swathika	III D	ECE	Р
11	190801016	Ashwin Balaji B	III A	ECE	Р
12	190801033	Dev Adhithya M	III A	ECE	Р
13	190801502	Vishwa M	III A	ECE	Р
14	191301015	Jeevanandham.S	III A	FT	P
15	200801089	Johannes Shelson J	IIB	ECE	Р
16	180301087	Sumaiya MR	IV B	BME	P
17	190301052	Noel Matthew Thomas	III A	BME	Р
18	180301011	Bhuvaneshwari A	IVA	BME	Р
19	180301044	Nirmal Raj. A	IVA	BME	P
20		Rakshita C J	III B	BME	Р
21		D. Pavithrajanani	III B	BME	P
22		Karishma A	IVA	BME	P
23	190301070	V A Sairam	III B	BME	P
24		Ganesh Kumar C	IIB	ECE	P
25		P.Satheesh Raja	IVB	BME	P
26		Girijaa M	IVA	BME	P
27		Neppalli Satish Chowdary	IVA	BME	P
28		Jagatheeshwar A G	IVA	FT	P
29		Prithvi Ram R	III A	FT	P
30		Fathima Farhana M.F	III A	FT	P
31		Roshan B	III A	FT	P
32	191301052	Yogaraj	III A	FT	P
33		Janaviga.J.S	III A	FT	P
34		Srinivasan	III A	FT	P
35		Nagadevi M	III A	FT	P
36		Devi K S	III A	FT	P
37		Mithulesh T. V.	III A	FT	P



PRINCIPAL PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION -

38	191301021	Kirthika.L	III A	FT	Р
39	180301038	Mallika Senthil	IV A	BME	Р
40	191301001	Abitha A	III A	FT	Р
41	191301030	Nishita S	III A	FT	Р
42	191301018	Kayalvizhi.R.K	III A	FT	Р
43	190301007	Arjun Bhattacharya	III A	BME	Р
44	190301041	S Manikandan	III A	BME	Р
45	180301048	Poovizhi Kathiravan	IV A	BME	Р
46	191301050	M.Vardhini	III A	FT	Р
47	191301003	Bathuja S	III A	FT	Р
48	180301003	Akshaya Pr	IV A	BME	Р
49	CSRC-11	Barathwaj Muralidharan	Ph.D	CEMM	Р
50	180901127	Umesh S	IV C	EEE	Р
51	210801145	Preetham	II C	ECE	Р
52	210801150	Pramodh Balaji.L	II C	ECE	Р
53	CSRC-49	Vimalkumar.V	Ph.D	CEMM	Р
54	CSRC 75	Caroline Pushpa J	Ph.D	CEMM	Р
55	CSRC-44	Suganya A	Ph.D	CEMM	Р
56	TC20	Madhankumar	SRF	CEMM	Р
57	-	Kalaiselvi.S	Ph.D	CEMM	Р
58	CSRC -72	Suriya Kumar S	Ph.D	CEMM	Р
59	190401027	Ferozkhan S	III A	BT	Р
60	190801076	Kanish R	III B	ECE	Р
61	190401045	Kavin S	III A	BT	Р
62	190401019	Brindha S	III A	BT	Р
63	190401022	Deepika	III A	BT	Р
64	190401035	Harshana Thiruvengadam	III A	BT	Р
65	190401047	Krithika A	III A	BT	Р
66	190401048	Krithika Anand	III A	BT	Р
67	190401003	Agnes D	III A	BT	Р
68	190401031	N.Gayathri	III A	BT	Р
69	190401007	Akshaya Mukunthan	III A	BT	Р
70	190401050	Latchiya N	III A	BT	Р
71	190401021	Chithra	III A	BT	Р
72	190401005	Ajeetha S	III A	BT	Р
73	190401023	Divya Lakshmi.V	III A	BT	Р
74	190401006	Akshay Krishna K	III A	BT	Р
75	190401017	Bhavadharini M	III A	BT	Р
76	190401037	Induja R	III A	BT	Р
77	190401038	Iswarya Lakshmi S	III A	BT	Р
78	190401012	Archana A	III A	BT	Р
79	190401001	Aarthi B	III A	BT	P
80	190401008	Amarsriya A	III A	BT	P



PRINCIPAL PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION

81	190401046	Kaviya V	III A	BT	Р
82	190401025	Divyalakshmi S	III A	BT	P
83	190401030	Gayathri J	III A	BT	Р
84	190401028	Ganesan M	III A	BT	Р
85	190401032	Glory Jenifer D	III A	BT	Р
86	190401039	Janani N	III A	BT	Р
87	190401009	A Anukavitha	III A	BT	Р
88	190401029	Gayathri.A.M	III A	BT	Р
89	190401014	Avendhika Raja	III A	BT	Р
90	190401018	Bhuvanesh A B	III A	BT	Р
91	190401013	Arthi.S	III A	BT	Р
92	190401041	Jerome Tarun Simon	III A	BT	Р
93	190401004	Aishvarya.K	III A	BT	Р
94	190401010	Aparajita Ramesh	III A	BT	Р
95	190401049	Krithika Ananthakrishnan	III A	BT	Р
96	190401024	Divyaa A	III A	BT	Р
97	190401020	Chennamma Devi. T	III A	BT	Р
98	190401011	Apoorvha J P	III A	BT	Р
99	190401040	Jayamurugan A	III A	BT	Р
100	190401034	A.Harini	III A	BT	Р
101	190401043	Kaushik C	III A	BT	Р
102	190401044	Kaushik.S	III A	BT	Р
103	190401036	Ilavarasan Js	III A	BT	Р
104	190401016	Bharathi A	III A	BT	Р
105	190401015	Ayush M	III A	BT	Р
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111	191301032	W Pranav	III A	FT	Р
112	200301017	Durga R	II A	BME	Р
113	190801098	Madhumitha	III B	ECE	Р
114	190801087	Keerthana Hari	III B	ECE	Р

S. N. Lleupton

LANA AND AND AND THE EVENT CO-ORDINATOR

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.



HOD/ ECE

### Photographs



Prof Bruce K Gale delivering lecture to students and staffs on 28.03.22 at purple hall, REC.



Students clarified their doubts with Prof Bruce K Gale during Q&A session on 29.03.22



J. N. Mere

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

### Feedback from the Participants

Name	Register Number	Departmen t	Class & Section	Contact No.	Did the session deliver the informa tion you expected to receive?	Was the subject matter delivered effectivel y?	Was the pace of the webinar satisfact ory?	Did the Q&A session satisfy your queries ?
Harikarthikeyan	200801075	Electronics and Communica tion	2nd year B section	09176328924	Yes	Yes	Yes	Yes
Sanjay Kumar A	200801173	ECE	C	8072536187	Yes	Yes	No	Yes
Raghuram	190801208	Ece	3rd year ece-d	6382897389	Yes	Yes	Yes	Yes
Raya Rohith Yadav	190801135	Ece	3rd/c	7729938383	Yes	Yes	Yes	Yes
Sakthivel	190801142	Electronics and Communica tion Engineering	3rd Year/ C Section	9003083618	Yes	Yes	Yes	Yes
Pavithra Lakshmanam	190801112	Ece	3rd yr ece	7868042524	No	Yes	Yes	Yes
Kavinkumar G	190801082	ECE	3rd Year /B	7550248057	Yes	Yes	Yes	Yes
Balaganesh G	200801039	ECE	II A	8608665647	Yes	Yes	Yes	No
Aarthi.M	200801003	ECE	Second year a section	8300580766	Yes	Yes	Yes	Yes
S.Swathika	190801177	ECE	3rd D	7305009389	Yes	Yes	Yes	No
Ashwin Balaji B	190801016	ECE	3rd year / A	8870679717	Yes	No	Yes	Yes
Dev Adhithya M	190801033	ECE	3rd/A	8754897574	Yes	Yes	Yes	Yes
Vishwa M	190801502	ECE	3yr/A	06379486140	Yes	Yes	Yes	Yes



PRINCIPAL PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

Jeevanandham.S	191301015	Food technology	2023/A	7448564285	Yes	Yes	Yes	Yes
Johannes Shelson J	200801089	ECE	II YEAR / B	9884781607	Yes	Yes	No	Yes
Sumaiya MR	180301087	Biomedical	IV/B	8754315752	Yes	Yes	Yes	Yes
Noel Matthew Thomas	190301052	BE BIO MEDICAL ENGINEER ING	III - A	9600073126	Yes	Yes	Yes	Yes
Bhuvaneshwari A	180301011	BIOMEDIC AL ENGINEER ING	4th /A sec	6380598529	Yes	Yes	Yes	Yes
Nirmal Raj. A	180301044	Biomedical engineering	4th year / A section	9677051247	Yes	Yes	Yes	Yes
Rakshita C J	190301064	Biomedical	3rd year/ B section	9786283071, 8754802221	Yes	Yes	Yes	Yes
D. Pavithrajanani	190301053	Biomedical Engineering	Third Year 'B' Section	09500190760	Yes	Yes	Yes	Yes
Karishma A	180301026	Biomedical Engineering	IV/A	8300174770	Yes	Yes	Yes	Yes
V A Sairam	190301070	Biomedical engineering	Third year/ B section	7010127706	Yes	Yes	Yes	Yes
Ganesh Kumar C	200801066	Electronics and Communica tion Engineering	II Year/B Section	8778402662	No	Yes	Yes	No
P.Satheesh Raja	180301070	BME	4/B	6383437358	Yes	Yes	Yes	Yes
Girijaa M	180301020	Bio- Medical	IV- A	8056266978	Yes	Yes	Yes	Yes
Neppalli Satish Chowdary	180301043	BIOMEDIC AL ENGINEER	4th year-A	7981612881	Yes	Yes	Yes	Yes



S.N. Mumpon

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

		ING						
Jagatheeshwar A G	191301010	Food technology	A	9150148374	Yes	Yes	Yes	No
Prithvi Ram R	191301033	Food Technology	III	9791195173	Yes	Yes	Yes	Yes
Fathima Farhana M.F	191301008	Foodtechnol ogy	3rd year	9962189142	Yes	Yes	Yes	Yes
Roshan B	191301038	Food tech	Third year	+9187784671 92	Yes	Yes	Yes	Yes
Yogaraj	191301052	Food technology	3rd year	9360587795	Yes	Yes	Yes	Yes
Janaviga.J.S	191301012	Food technology	3rd year	8883091423	Yes	Yes	No	Yes
Srinivasan	191301046	Food technology	3rd year	9962188856	Yes	Yes	Yes	Yes
Nagadevi M	191301027	Food Technology	3rd year/A	9150644512	Yes	Yes	Yes	Yes
Devi K S	191301006	Food Technology	Third year	9361324943	Yes	Yes	Yes	Yes
Mithulesh.TV	191301024	Food technology	3/A	8870554899	Yes	Yes	Yes	Yes
Kirthika.L	191301021	Food technology	3	9361462791	Yes	No	Yes	Yes
Mallika Senthil	180301038	BME	4/A	8754970413	Yes	Yes	Yes	Yes
Abitha A	191301001	Food technology	3 rd year	9025819541	Yes	Yes	Yes	Yes
Nishita S	191301030	Food Technology	3/A	9176641470	Yes	Yes	Yes	No
Kayalvizhi.R.K	191301018	Food tech	3rd year	6383869178	No	Yes	Yes	Yes
Arjun Bhattacharya	190301007	BME	III Yr. (A Sec.)	7091832747	Yes	Yes	Yes	Yes
5 Manikandan	190301041	Biomedical Engineering	3rd year / A	9445299993	Yes	Yes	Yes	Yes
Poovizhi Kathiravan	180301048	Biomedical Engineering	Final year /A	7708413684	Yes	Yes	Yes	No



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AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

M.Vardhini	191301050	Food technology	3rd year / A	9884118494	Yes	Yes	Yes	Yes
Bathuja S	191301003	Food technology	3/A	9360215745	Yes	Yes	Yes	Yes
Akshaya Pr	180301003	BME	IV - A	8838586642	Yes	Yes	Yes	No
Barathwaj Muralidharan	00	CEMM		8610855621	Yes	Yes	Yes	Yes
Umesh S	180901127	EEE/CEM M	4/C	09962925610	Yes	Yes	Yes	Yes
Preetham	210801145	Electronic and communicat ion engineering	2021/C	+9180568055 57	Yes	Yes	Yes	No
Pramodh Balaji.L	210801150	ECE	2021/C	9360751092	Yes	Yes	Yes	Yes
Vimalkumar.V	CSRC-49	Research department	1	8015803593	Yes	Yes	Yes	Yes
Caroline Pushpa J	CSRC 75	СЕММ	2022	8098844713	Yes	Yes	No	Yes
Suganya A	CSRC-44	СЕММ	Ph.D	+9196771786 18	Yes	Yes	Yes	Yes
Madhankumar	TC20	CEMM	SRF	9790675145	Yes	Yes	Yes	Yes
Kalaiselvi.S	i.	CEMM	Ph.D	9789857382	Yes	Yes	Yes	Yes
Suriya Kumar S	CSRC -72	CEMM	Nil	8508050141	Yes	Yes	Yes	Yes
Ferozkhan S	190401027	Bio Technology	3rd Year / A	8610804147	Yes	Yes	Yes	Yes
Kanish R	190801076	ECE	III B	8015959631	Yes	Yes	Yes	No
Kavin S	190401045	BIOTECH NOLOGY	III	9384502847	Yes	Yes	Yes	Yes
Brindha S	190401019	Biotechnolo gy	BT - A	7397364454	Yes	Yes	Yes	Yes
Deepika	190401022	B.Tech Biotechnolo gy	3rd yr A section	8248450469	Yes	Yes	Yes	No
Iarshana	190401035	Biotechnolo	3rd year	9177090180	No	Yes	Yes	Yes



RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.

Thiruvengadam		gy	'A'					
Krithika A	190401047	Biotechnolo gy	3rd year, A section	9790942174	Yes	Yes	Yes	No
Krithika Anand	190401048	Biotechnolo gy	3rd A	8072018246	Yes	No	Yes	Yes
Agnes D	190401003	Biotechnolo gy	3rd year A sec	9361456153	Yes	Yes	Yes	Yes
N.Gayathri	190401031	Bio Technology	3rd year-A	9176744784	Yes	Yes	Yes	Yes
Akshaya Mukunthan	190401007	BIOTECH NOLOGY	А	7299006168	Yes	Yes	Yes	Yes
Latchiya N	190401050	BIOTECH NOLOGY	IIIrd year/ A	9791140876	Yes	Yes	Yes	Yes
Chithra	190401021	Biotechnolo gy	Α	9361050454	Yes	Yes	Yes	Yes
Ajeetha S	190401005	Biotechnolo gy	А	8248756654	Yes	Yes	Yes	Yes
Divya Lakshmi.V	190401023	Biotechnolo gy	3rd year /A	9176793097	Yes	Yes	Yes	Yes
Akshay Krishna K	190401006	BIOTECH NOLOGY	3rd Year A	8610250811	Yes	Yes	Yes	Yes
Bhavadharini M	190401017	B.TECH BIOTECH NOLOGY	3RD / A	8072571168	Yes	Yes	Yes	Yes
Induja R	190401037	Biotechnolo gy	III Yr/A	9361257702	Yes	Yes	Yes	Yes
Iswarya Lakshmi S	190401038	BIOTECH NOLOGY	3rd year	9360152940	Yes	Yes	Yes	No
Archana A	190401012	Biotechnolo gy	III/A	9789947627	Yes	Yes	No	Yes
Aarthi B	190401001	biotechnolo gy	3rd year/ A	8903385288	Yes	Yes	Yes	Yes
Amarsriya A	190401008	B.tech Biotechnolo gy	III yr	9361398069	Yes	Yes	Yes	Yes



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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

Kaviya V	190401046	Biotechnolo gy	3rd year,BT -A	8925042121	Yes	Yes	Yes	Yes
Divyalakshmi S	190401025	BIOTECH NOLOGY	3rd YEAR	875454508	No	Yes	Yes	Yes
Gayathri J	190401030	Biotechnolo gy	III rd year -A Sec	9445111554	Yes	Yes	Yes	Yes
Ganesan M	190401028	Biotechnolo gy	III A	9150455620	Yes	Yes	Yes	Yes
Glory Jenifer D	190401032	Biotechnolo gy	III YEAR - A SEC	6381207729	Yes	Yes	Yes	Yes
Janani N	190401039	Biotechnolo gy	3rd year BT A	8838457152	Yes	Yes	Yes	Yes
A Anukavitha	190401009	B.tech Biotechnolo gy	3rd year/A	09499947226	Yes	Yes	Yes	Yes
Gayathri.A.M	190401029	Biotech	3rd year/ sec A	8610200040	Yes	Yes	Yes	Yes
Avendhika Raja	190401014	Biotechnolo gy	3rd year BT-A	7904297406	Yes	Yes	Yes	Yes
Bhuvanesh A B	190401018	BIOTECH NOLOGY	3	7845003334	Yes	Yes	Yes	Yes
Arthi.S	190401013	BIOTECH NOLOGY	3rd/A	+9189252353 30	Yes	Yes	Yes	Yes
lerome Tarun Simon	190401041	Biotechnolo gy	3rd year. A section	07397311635	No	Yes	Yes	Yes
Aishvarya.K	190401004	Biotechnolo gy	3/A	8248061332	Yes	Yes	Yes	Yes
Aparajita Ramesh	190401010	Biotechnolo gy	3/A	7358539879	Yes	Yes	Yes	Yes
Krithika Ananthakrishnan	190401049	Biotechnolo gy	3rd year - A section	9043116565	Yes	Yes	Yes	Yes



J. N. Humps

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105,

Divyaa A	190401024	Biotechnolo gy	III	8248919993	Yes	Yes	Yes	Yes
Chennamma Devi. T	190401020	BIOTECH NOLOGY	3rs yr - A sec	08098020948	Yes	Yes	Yes	Yes
Apoorvha J P	190401011	Biotechnolo gy	3rd year, section A	08939161066	Yes	Yes	Yes	Yes
Jayamurugan A	190401040	Biotechnolo gy	3/A	9361038055	Yes	Yes	Yes	No
A.Harini	190401034	Biotechnolo gy	A	9344658538	Yes	Yes	Yes	Yes
Kaushik C	190401043	Biotech	3rd/A	7397404281	Yes	Yes	Yes	Yes
Kaushik.S	190401044	Biotechnolo gy	3rd year 'A'	8122281859	Yes	Yes	Yes	Yes
Ilavarasan Js	190401036	B.TECH BIOTECH NOLOGY	3/A	8870266941	No	Yes	Yes	Yes
Bharathi A	190401016	Biotechnolo gy	3 / BT A	7358663083	Yes	Yes	Yes	Yes
Ayush M	190401015	Biotechnolo gy	III A	8754956649	Yes	Yes	Yes	Yes
Abishekwar K	190401002	BIOTECH	2022 A	190401002	Yes	Yes	Yes	Yes
Satish Kumar P	210311006	Medical electronics	2021	07904693359	Yes	Yes	Yes	Yes
Kirtik Soni	200801109	ECE	2nd year b section	9790700529	Yes	Yes	Yes	Yes
Keerthana.R	210311002	M.E Medical Electronics	First year	9943461649	No	Yes	Yes	Yes
ayashree S	180301024	BIOMEDIC AL DEPARTM ENT	4TH YEAR/ A	7358336322	Yes	Yes	Yes	Yes
W Pranav	191301032	Food technology	3 A	9087573263	Yes	Yes	Yes	Yes



PRINCIPAL PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.

Durga R	200301017	Bio Medical Engineering	1	9361690286	Yes	Yes	Yes	Yes
Madhumitha	190801098	ECE	3rd year(b)	9013438559	Yes	Yes	Yes	Yes
Keerthana Hari	190801087	ECE	3/B	9244101355	Yes	Yes	Yes	Yes



J.N. Hu

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

### **Feedback Analysis**

	RAJALAKSHMI ENGINEERING CO	LLEGE, AUTONON	10US
	DEPARTMENT OF	FECE	
	Summary on Feed	back	
	Fulbright-Nehru Speciali	st Program	
	Guest lecture on "Interdisciplinary Research	- Challenges & Opp	ortunities"
	Dates: 29.03.202	22	
	Total Strength =	114	
Q.No.	Questions	Yes	No
Q1	Did the session deliver the information you expected to receive?	106	8
Q2	Was the subject matter delivered effectively?	111	3
Q3	Was the pace of the lecture satisfactory?	109	5
Q4	Did the Q&A session satisfy your queries?	101	13



R SujalE CO-ORDINATOR

EVENT

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J.N. Hum PRINCIPAL

RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.



### **Event Report**

### Report on Guest Lecture on "Interdisciplinary Research - Challenges & Opportunities"

Name of organizing	unit: Institute of Smart Structures and Systems (ISSS) and The Centre of
	Excellence in MEMS & Microfluidics
Venue	: Main Seminar Hall, Workshop Block, Rajalakshmi Engineering
	College
Date of Event	: 29.03.2022
Topic	: Interdisciplinary Research – Challenges & Opportunities
Speaker details	: Prof. Bruce K Gale,
	Professor and Chair,
	Department of Mechanical Engineering,
	University of Utah, USA.
Target audience	: UG/PG students, Research Scholars
Attendance	: 114

#### **Brief description:**

United State-India Educational Foundation (USIEF) collaborating with World Learning has approved the grants to host a U.S. expert to visit India in the specialized area of Engineering Education under the "Fulbright-Nehru Specialist Program". Under this scheme, Prof. Bruce K Gale, Professor and Chair, Department of Mechanical Engineering, University of Utah, USA is visiting Rajalakshmi Engineering College from 28th March 2022 to 8th April 2022. In association with Institute of Smart Structures and Systems (ISSS), the Centre of Excellence in MEMS & Microfluidics has organized a guest lecture on "Interdisciplinary Research -Challenges & Opportunities" by Dr. Bruce K Gale on 29<sup>th</sup> March, 2022. The participants can gain knowledge on the cutting-edge technologies, by exploring the various research activities being carried out. He explained three primary research areas: (1) microfluidics and micro-totalanalysis systems (µTAS) for research and diagnostic purposes (2) microscale medical devices that typically include microfluidics and (3) field flow fractionation for characterization of nanoparticles. He also explained about his current projects include Reconfigurable Antenna, Multiplexed Ion Detection, Epilepsy Diagnostics using Nano pores, Rapid processing of zebrafish embryos for mutant generation, Sperm sample preparation for point of care applications, an Integrated Biohazard Analyzer for Multiplexed Food and Water Pathogens etc.

CO-ORDINATOR EVENT AUTONOMOUS RAJALAKSHMI ENGINEERING COLLEGE INSTITUTION AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.



# **RAJALAKSHMI** ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

28<sup>th</sup>April, 2022 Guest Lecture on Sustainable Employee Interest

### Index

SI. No.	Details
1	Brochure
2	Communication with Speakers
3	Speaker Profile (s)
4	List of Participants
5	Attendance
6	Photographs
7	Feedback from the Participants
8	Feedback from the speakers
9	Event Report

5. D. Menyo





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RAIALAKSHMI ENGINEERING CO AUTONOMOUS Institution



INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

# **GUEST LECTURE**

on

11:00 AM 28<sup>th</sup> April, 2022

# SUSTAINABLE EMPLOYEE INTEREST

# Organized by **Department of Management Studies**

In association with Institution's Innovation Council, REC Talent Enhancement Cell, REC

# Speaker:

Moushmi Udhayachandran Senior HR Consultant, **Ziffity Solution LLC** 



🗏 Academic Block – Heritage Hall





RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

22.04.2022

**The Principal**, Rajalakshmi Engineering College Thandalam, Chennai-602105.

Subject: Request for Conducting Guest Lecture

### **Respected Sir**

To,

I am writing this letter to request permission to conduct a Guest Lecture on "Sustainable Employee Interest" on 28.04.2022

I would like to state that conducting a Workshop would be very helpful for the students. The main focus of the workshop will be learning recent success in operation and to discuss the live error rectification faced. It will be helpful for students in gaining actual in-house knowledge.

I shall be highly obliged for your kind support.



**Yours Sincerely** 

man

Dr.M.Uma Raman Head of the Department Department of Management Studies

PROURAN COORDINATOR

### **Guest Speaker Communication**

7/12/2022

Rajalakshmi Engineering College Mail - Fwd: Guest Lecture



Sajana KP <sajana.kp@rajalakshmi.edu.in>

# Fwd: Guest Lecture 2 messages

HOD MBA <hod.mba@rajalakshmi.edu.in> To: Sajana KP <sajana.kp@rajalakshmi.edu.in> Tue, Jul 12, 2022 at 8:08 AM

------ Forwarded message ------From: **Dr. Srikanth R** <srikanth.r@rajalakshmi.edu.in> Date: Fri, Apr 22, 2022 at 1:14 PM Subject: Fwd: Guest Lecture To: HOD MBA <hod.mba@rajalakshmi.edu.in>

------ Forwarded message ------From: Udhay M <moushmiu@gmail.com> Date: Fri, 22 Apr 2022, 11:26 Subject: Re: Guest Lecture To: Dr. Srikanth R <srikanth.r@rajalakshmi.edu.in>

Thank you..

I can cover the chapter - Sustainable Employee Interest. Could you please confirm how many hours the session would be. I have attached my profile and Cover Letter.

On Thu, Apr 21, 2022 at 11:16 PM Dr. Srikanth R <srikanth.r@rajalakshmi.edu.in> wrote: Dear Madam,

PFA the HRM syllabus.

As discussed, I hope Thursday, 28 April 2022 is convenient for you.

Kindly share your profile and let us know what topic you are going to handle.

Formal invitation will be sent later.

Thanks & Regards Prof. Dr. R. Srikanth MBA/REC https://www.rajalakshmi.org/

#### 2 attachments

Moushmi's Cover Letter.pdf

B MOUSHMI UDHAYACHANDRAN Profile.pdf

3. D. Alungton





Fr

Affiliated

**REC/DOMS/21-22/10** 

21.04.2022

### CIRCULAR

RAJALAKSHMI

EERING COLLEGE

NA UNIVERSITY, Chennai

**OMOUS** Institution

We are happy to inform you that our Department is conducting a Guest Lecture on "Sustainable Employee Interest" on 28.04.2022. A detailed brochure and program schedule is displayed in the notice board.

Thanking you

Yours

aman

Dr.M.Uma Raman Head of the Department Department of Management Studies

S. N. Hunper



# MOUSHMI UDHAYACHANDRAN MSW., Dip. In Labor Law HR BUSINESS PARTNER

893 968 9614 | moushmiu@gmail.com | www.linkedin.com/in/udhay-m-47a147a0

I have 7+ years of experience in the HR Industry Specialized in Employee Experience and Employee Relations. I have worked in several Organizations like Tata Business Support Service, Hogarth World Wide, Basilicfly Studio. Currently Working in Ziffity Solutions LLC. Completed Masters from Madras School of Social work and holds a Diploma in Labour Law from Tamilnadu Institute of Labour Studies.

#### Core Area of Expertise

- 1. Talent Management
- 2. Employee Relations
- 3. Retention Planning
- 4. Performance Management
- 5. Employee Engagement

#### **Professional Achievements**

1. Developed and Implemented HR Core Strategies for employees including Performance Management, Succession Planning, Employee Engagement, and Attrition in the Initial days of Startup Organization.

2. Established solid working relationships with senior leaders and provide guidance related to workforce planning; performance assessment, improvement, and management; employee relations issues; and operational and personnel changes supporting organizational initiatives and activities.

3. Launched new whole benefits to the Organisation such as COBRA Benefits (USA), Workmen Compensation (USA), Employee Health Insurance (USA & India), Maternity Benefits for Women, and its case studies.

4. Consult with Senior Leadership team to understand training and development needs across the functional group in order to identify trends, patterns etc, and present recommendations as part of organizational training need assessment.

5. Served as a policy creator and administrator for organization which helps the employee to get maximum benefits.

6. Sole responsibility for Employee Engagement execution and Improved the Employee Performance rate and reduced attrition rate for the Organisation (Basilicfly Studio) in FY (2019 – 2020).



### **Other Experiences**

1. Served as a moderator for Tedtalks event, Chennai.

2. Conducted Team Building activities for Various schools in Chennai on behalf of Puthri Voluntary Organisation.

3. Conducted Session on "Communication and Effectiveness" for Sales team in Pushkar ~ Properties.

4. Conducted Session on "Behavioural changes of Employees in Work pressure" to Alten Group of Companies.

5. Conducted a webinar on "Business performance adapting to Virtual process" to BBA Students from St.Anne's Arts and Science College.





## RAJALAKSHMI ENGINEERING COLLEGE Department of Management Studies

### 28.04.2022

### Sustainable Employee Interest

### List of Participants – I Year MBA

Sl.No.	Reg.No.	Name
1.	2116215111001	Abhis Emmanvel Isaac
2.	2116215111002	Abitha Varshini M
3.	2116215111003	Akshay Kumar L
4.	2116215111004	Akshaya M
5.	2116215111005	Akshaya P
6.	2116215111006	Aloysius Antony Michael
7.	2116215111007	Anne Sylvia S
8.	8. 2116215111008 Antony Arokiamary I	
9.	2116215111009	Anupriya M
10.	2116215111010	Anusuya B
11.	2116215111013	Ashok Kumar V
12.	2116215111014	Ashwini R
13.	2116215111015	Balakrishnan P
14.	2116215111016	Bennyhinn Joshua S
15.	2116215111018	Charlin Fernando R
16.	2116215111019	Darshani G
17.	2116215111020	Deepika K
18.	2116215111021	Devi Shree U
19.	2116215111022	Dinesh Y
20.		
21.	2116215111024	Divya T
22.	2116215111025	Divya Barathy R I
23.	2116215111027	Ganga Devi K
24.	2116215111028	Gokulavani V
25.	2116215111030	Hari S
26.	2116215111031	Harini J
27.	2116215111033	Harirajan Cv
28.	2116215111034	Hemasudha N
29.	2116215111035	Hemachandiran R
30.	2116215111036	Hemavathi V
31.	2116215111037	Hiren M Davey
32.	2116215111038	Iswarya Rr
33.	2116215111039	Janani B
34.	2116215111040	Janani G
35.	2116215111041	Jansi Rani T
36.	2116215111042	Jeeva Am
37.	2116215111042	Kalyan V G
38.	2116215111044	Kamalraji S
39.	2116215111045	Kanchana Devi C
40.	2116215111046	Karen M TH



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2.

8 4	41.	2116215111047	Karthick Aj	
	42.	2116215111048	Karthik Murali B	
50	43.	2116215111049	Karthiknathan K	
	44.	2116215111050	Kavethanjali V	8 9 L
	45.	2116215111051	Kayatheri S	74 Bu
	46.	2116215111052	Keerthana C	1.0
10 2	47.	2116215111053	Kowsalya U	
	48.	2116215111054	Krithiga Sree T S	1
	49.	2116215111055	Krupalni R S	4
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101.	2116215111116	Venkata Haripriya B
102.	2116215111117	Vignesh K
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104.	2116215111119	Visali M
105.	2116215111121	Yogesh S
106.	2116215111122	Yuvashakthi G



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RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105.

### RAJALAKSHMI ENGINEERING COLLEGE Department of Management Studies 28<sup>th</sup> April, 2022 Guest Lecture on Sustainable Employee Interest

S.N. Hump

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Sint	Roll No	STUDENT NAME	SIGNATURE
1.	215111001	ABHIS EMMANVEL ISAAC	an
2.	215111002	ABITHA VARSHINI M	Matitanti
3.	215111003	AKSHAY KUMAR L	1. Aspary
4.	215111005	AKSHAYA P	Akelara ?
5.	215111006	ALOYSIUS ANTONY MICHAEL	funts.
6.	215111007	ANNE SYLVIA S	S. Jan
7.	215111008	ANTONY AROKIAMARY IRENE	Inon A.A.
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14.	215111015	BALAKRISHNAN P	R. Bat
15.	215111016	BENNYHINN JOSHUA S	Berly -
16.	215111017	BHUVANESHWARIN	
17.	215111018	CHARLIN FERNANDO R -	Chaplin
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# RAJALAKSHMI ENGINEERING COLLEGE Department of Management Studies

### 28.04.2022

### Sustainable Employee Interest

Feedback

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S.No	Name of the Participant	Rating on satisfactory level towards (+5 to +1)			
5.110		Theory Sessions	Discussion and Activities	Overall Program	
1.	Abhis Emmanvel Isaac	4	5 .	4	
2.	Abitha Varshini M	5	5	5	
3.	Akshay Kumar L	5	5	5	
4.	Akshaya M	5	4	4	
5.	Akshaya P	5	5	5	
6.	Aloysius Antony Michael	4	5	4	
7.	Anne Sylvia S	5	5	5	
8.	Antony Arokiamary Irene	5	4	5	
9.	Anupriya M	5	4	4	
10.	Anusuya B	5	5	5	
11.	Ashok Kumar V	4	5	4	
12.	Ashwini R	5	5	- 5	
13.	Balakrishnan P	4	5	4	
14.	Bennyhinn Joshua S	5	5	- 5	
15.	Charlin Fernando R	4	4	5	
16.	Darshani G	5	4	5	
17.	Deepika K	4	5	4	
18.	Devi Shree U	5	5	5	
19.	Dinesh Y	5	4	4	
20.	Dineshsurya M	5	5	5	
21.	Divya T	4	5	4	
22.	Divya Barathy R I	4	5		
23.	Ganga Devi K	5	5	4	
24.	Gokulavani V	5	11 20	5	
25.	Hari S	4	4	4	
26.	Harini J	5	4	5	
27.	Harirajan Cv	5	5	5	
28.	Hemasudha N	5	5	5	
29.	Hemachandiran R	4	5	5	
30.	Hemavathi V		5	4	
31.	Hiren M Davey	5	5	5	
32.	Iswarya Rr	4	5	4	
33.	Janani B	5	5	5	
	Janani G	- 5	3	5	
	Jansi Rani T	5	4	4	
		5	5	5	
	Jeeva Am	4	5	4	
	Kalyan V G	4	5	.4	
	Kamalraji S	4	5	4	
39.	Kanchana Devi C	5	5	5	



ENGINEER

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM CHENNAL 602 105

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40.	Karen M	5	5	5
41.		5	4	5
42.	Karthik Murali B	5	5	4
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44.	Kavethanjali V	4	5	4
45.	Kayatheri S		5	4
46.	Keerthana C	5	5	5
47.	Kowsalya U	5	5	5
48.	Krithiga Sree T S	5	4	4
49.	Krupalni R S	5	5	5
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58.	Malaveka Vg	5	5	5
59.	Mir Mohsin Ali	5	5	5
60.	Mohamed Apsar A	4	5	4
61.	Monica M	4	5	4
62.	Murugan Rs	4	5	4
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65.	Nitesh Sharma	4	5	4
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68.	Ponnumani V	4	5	4
69.	Poojalakshmi M	- 5	5	5
70.	Prakash M	4	5	
71.	Prasanth S	5	5	4
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74.	Priyanka M	5	4	4
75.	Rahul Ks		5	5
76.	Ramya P	4	5	4
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78.	Sakthi Priya S	4	5	4
79.	Sandhiya L	5	5	5
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	Sanjay Kumar V	5	5	5
31.	Santhoshkumar E	5	5	5
32.	Sarath Ps	5	4	4
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34.	Saravanan S	4	5	4
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7.	Shalini V	5	5	5

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90.	Sneha Pr	4	5	4
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92.	Sri Meghna Choudhry	5	5	5
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94.	Sundar V G	5	5	5
95.	Swetha V	4	5	4.
96.	Tharini S	5	5	5
97.	Theepaloshini S	5	4	5
98.	Uma M	5	4	4
99.	Varshini M S K	5	5	5
100.	Vedavalli N	4	5	4
101.	Venkata Haripriya B	5	5	5
102.	Vignesh K	5	5	5
103.	Vignesh R	5	4	5
104.	Visali M	-5	4	4
105.	Yogesh S	5	5	5
106.	Yuvashakthi G	4	5	4

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Dr.M.Uma Raman Head of the Department Department of Management Studies

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.



### RAJALAKSHMI ENGINEERING COLLEGE Department of Management Studies 28.04.2022 Sustainable Employee Interest

Feedback Assessment Record

Rating	Sessions	Score	Average	Outcome
Rating on	Theory Sessions	494	4.6	Highly Satisfied
satisfactory level towards	Discussion and Activities	511	4.8	Highly Satisfied
(+5 to +1	Overall Program	483	4.5	Highly Satisfied



J.N. Me

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL- 602 105.

Rajalakshmi Engineering College Department of Management Studies Feedback from the Speaker			
NAME OF THE SPEAKER	Moushmi Velhayachanchan		
DESIGNATION	Sr HR Consultant		
INSTITUTION/UNIVERSITY/ORGA	Zibbily Solution LLC		
TITLE OF LECTURE	Guest Lecture on - Sustainable Employee Internt		
DATE	28th April, 2022		
TIME	11:00 AM		
VENUE	Homitage Hau - Rec		
SIGNATURE OF SPEAKER	Mauren ?		
COMMENTS IF ANY	A good expensionce with a highly paritie team Thank You -		

J.N. Neunger



### **Event Report**

### Introduction

The program begin with our REC invocation song, followed by guest felicitation by Dr.Uma Raman, Head of the Department on behalf of our department, the program endure with welcome address by our department Yukthi Club members and delivery of event topic "Guest Lecture on Sustainable Employee Interest" by our event Guest Ms.Moushmi Udhayachandran.

### **About the Program**

The key of the event is creating vibrant and sustainable company knowledge that finds ways to get all employees—from top executives to assembly line workers—personally engaged in day-to-day corporate sustainability efforts. Following the speech she discussed the major 8 Great Ways to Increase Employee Engagement in Sustainability with lot of live examples, Unilever, IBM, Nissan, Manpower Consultancy etc...

Expected Outcome of the discussion is to begin a discussion within your company about how you can contrivance these steps at your company and start a fresh team if you don't have one already. It will take time – this is definitely not something that can be done quickly – but the outlay of time and effort now will allow you to lay the groundwork for the development of a sustainable company that will bind the energy and passion of its employees to truly make a difference.

### Conclusion

The future of Sustainable HRM research could explore how HRM and sustainability departments respond to the challenges of having to act 'in concert' on managing people in organisations and how this impacts the performance of HRM roles. A practical implication of this is event underwent with the question and answer session as how to integrate the role of coordinating the external aspects of Sustainable HRM with the conventional internal activities.

EVENT ORGANIZER



faman



## RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

17<sup>th</sup> ,May, 2022 Workshop on "Operation Management and Process development". Index

Sl. No.	Details		
1	Brochure		
2	Communication with Speakers		
3	Speaker Profile (s)		
4	List of Participants		
5	Attendance		
6	Photographs		
7	Feedback from the Participants		
8	Feedback from the speakers		
9	Certificate		
10	Event Report		

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RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY. Chennal



INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

## WORKSHOP On

Operations Management and Process Development

Organized by Department of Management Studies

In association with Industry Institute Interaction Cell, REC

## Mr. Prahalatha Varadhan, T.P.M.

Engineer QSM M/s. Ratech Engineers

17.05.2022
10.00 AM to 1.00 PM



J.N. Mu



**RAJALAKSHMI** ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

10.05.2022

### To, The Principal, Rajalakshmi Engineering College Thandalam, Chennai-602105. Subject: Request for Conducting Workshop

### **Respected Sir**

I am writing this letter to request permission to conduct a Workshop on Production.

I would like to state that conducting a Workshop would be very helpful for the students. The main focus of the workshop will be learning recent success in operation and to discuss the live error rectification faced. It will be helpful for students in gaining actual in-house knowledge.

I shall be highly obliged for your kind support.

Permitted

J.N. Hunger-



**Yours Sincerely** 

pman

Dr.M.Uma Raman Head of the Department Department of Management Studies



RAJALAKSHMI ENGINEERING COLLEGE **UNIVERSITY, Chennai** 

12.05.2022

To, Mr.Prahalatha Varadhan TPM, **Engineer QSM** M/s. Ratech Engineers.

Subject: Request for Conducting Workshop

### **Respected Sir**

I am writing this letter to request you to conduct a Workshop on Production.

I would like to state that conducting a Workshop would be very helpful for the students. The main focus of the workshop will be learning recent success in operation and to discuss the live error rectification faced. It will be helpful for students in gaining actual in-house knowledge.

I shall be highly grateful for your kind acceptance in any of these following dates 14.05.2022 to 17.05.2022

**Yours Sincerely** 

pman

CB. Kejonanon PROURAM COORDINATOR

GINES

ΔN AUTONOMOUS INSTITUTION

**Dr.M.Uma Raman** Head of the Department **Department of Management Studies** 



13.05.2022

To,

### Dr.M.Uma Raman

The Head of the Department, Department of Management Studies Rajalakshmi Engineering College

Subject: Approval for Conducting Workshop

### Dear Madam,

This is with reference to your letter dated 10.05.2022 regarding approval for Conducting a Workshop on "Operation Management and Process development". I am glad to inform that I am personally very much interested to conduct the program on 17.05.2022.

Your efforts are appreciated. I am happy to cooperate with you wholeheartedly.

J.N. Huyen



**Yours Sincerely** 

Mr.Prahalatha Varadhan TPM, Engineer QSM M/s. Ratech Engineers



RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

**REC/DOMS/21-22/10** 

21.04.2022

### CIRCULAR

We are happy to inform you that our Department is conducting a Workshop on "Operation Management and Process development" on 17.05.2022. A detailed brochure and program schedule is displayed in the notice board.

Thanking you

Yours

pman

Dr.M.Uma Raman Head of the Department Department of Management Studies

J. N. Men



### PRAHLATHA VARADHAN.T.P.M.

### ENTREPRENEUR

### CONTACT

11/5 ; 41st Street ; Nanganallur; Chennai - 600061 Phone no :9445950409 Email : tpmvaradhan@gmail.com

### PROFILE

An enthusiastic individual looking to pursue my business and start-up ideas through my enterprising skill and to make the organisation grow to the higher level using my technical and non-technical skills

### AWARDS

ANNA UNIVERSITY UNIVERSITY GOLD MEDALIST DEC - 2020 JEPPIAAR ENGINEERING COLLEGE BEST PAPER AWARD - ICONSTEM JULY - 2020 FEATHER IN CAP AWARD ENJAY SERVICES - 2019

### CERTIFICATIONS

- Supply chain specialisation
- Dynamic public speaking
- Six sigma Black belt
- Introduction to Psychology
- Presentation Skills: speech writing, slides and delivery

#### ACADEMIC PROJECTS

- 1. Accident Information system using IoT and Open source
- 2. Bike with a brain
- Adaptive cruse control and sensor assisted rear braking system
- 4. Industry 4.0 automation

### EXPERIENCE:

#### RATECH ENGINEERS

#### HEAD - QUALITY, NPD & BUSINESS DEVELOPMENT | AUG 21 -PRESENT

- Taking complete incharge of the operations, new product development and QMS.
- Working to widen the scope of company through new business and working in further development activities.

#### QUALITY ENGINEER AUG 20- AUG 21

- Taking complete care of the Hyundai and UCAL quality systems by implementing lean and six sigma concepts
- Completed ISO audit for the company with no Non conformities in two consecutive audits

#### FREELANCE TRAINER

#### PERSONALITY DEVELOPMENT TRAINER | MAY 18 - Present

- Started training my set and junior automobile students on communication skills and character development
- Trained student from Talent Enhancement Cell (TEC) of Rajalakshmi Engineering College in personality development and soft skills
- Consulting student in career, soft skill and personality development.

### EDUCATION

#### **BACHELOR OF ENGINEERING - AUTOMOBILE**

RAJALAKSHMI ENGINEERING COLLEGE | 2016 - 2020 CGPA:8.70 (GOLD MEDALIST - 1<sup>5T</sup> RANK)

#### **HIGHER SECONDARY EDUCATION - 12TH**

SHRI AHOBILA MATT ORIENTAL HR. SEC. SCHOOL | 2015 - 2016 PERCENTAGE : 92%

#### **SECONDARY EDUCATION - 10TH**

THE HINDU COLONY CHELLAMAL VIDYALAYA | 2013 - 2014 CGPA : 9.6

### TECHNICAL PAPER PRESENTATION

#### Jeppiaar Engineering college| ICONSTEM-2020 | 15<sup>th</sup> JULY 2020

Accident information system using IoT and Open source

### Rajalakshmi Engineering College | GM:AAPPES 2018 | 28th & 29th MARCH - 18

- 1. Industry 4.0 An automotive perspective
- Adaptive cruise control and sensor assisted rear braking system
- 3. Waste heat recovery in Automotive Engines

#### SRM university |Vadapalani | NC-CROME 2019| 15<sup>th</sup> & 16<sup>th</sup> March - 19

- Preventive to predictive maintenance in Metro Rail
- 2. Electromagnetic gear shifting mechanism in two wheelers
- 3. Fabrication of electric three wheelers

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### RAJALAKSHMI ENGINEERING COLLEGE Department of Management Studies 17<sup>th</sup> May, 2022

### Workshop on Operations Management & Process Development List of Participants – I Year MBA

C		STUDENT NAME	
S.no	Roll No		
1.	2116215111001	ABHIS EMMANVEL ISAAC	
2.	2116215111002	ABITHA VARSHINI M	
3.	2116215111003	AKSHAY KUMAR L	
4.	2116215111005	AKSHAYA P	
5.	2116215111006	ALOYSIUS ANTONY MICHAEL	
6.	2116215111007	ANNE SYLVIA S	
7.	2116215111008	ANTONY AROKIAMARY IRENE	
8.	2116215111009	ANUPRIYA M	
9.	2116215111010	ANUSUYA B	
10.	2116215111011	ARAVINDAN S	
11.	2116215111012	ARTHISWARI M	
12.	2116215111013	ASHOK KUMAR V	
13.	2116215111014	ASHWINI R	
14.	2116215111015	BALAKRISHNAN P	
15.	2116215111016	BENNYHINN JOSHUA S	
16.	2116215111017	BHUVANESHWARI N	
17.	2116215111018	CHARLIN FERNANDO R	
18.	2116215111019	DARSHANI G	
19.	2116215111020	DEEPIKA K	
20.	2116215111021	DEVI SHREE U	
21.	2116215111022	DINESH Y	
22.	2116215111023	DINESHSURYA M	
23.	2116215111024	DIVYA T	
24.	2116215111025	DIVYA BARATHY R I	
25.	2116215111026	FRANKLIN RAJA A	
26.	2116215111027	GANGA DEVI K	
27.	2116215111028	GOKULAVANI V	
28.	2116215111029	HARIPRASAD S	
29.	2116215111030	HARI S	
30.	2116215111031	HARINI J	
31.	2116215111033	HARIRAJAN CV	
32.	2116215111034	HEMASUDHA N	
33.	2116215111035	HEMACHANDIRAN R	
34.	2116215111036		
35.	2116215111037	HIRAN M DAVEY	
36.	2116215111038	ISWARYA RR	
37.	2116215111040	JANANI G	



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38. 2116215111041 JANSI RANI T	
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39. 2116215111042 JEEVA AM	
40. 2116215111043 KALYAN V G	
41. 2116215111044 KAMALRAJI S	
42. 2116215111045 KANCHANA DEVI C	
43. 2116215111047 KARTHICK AJ	
44. 2116215111048 KARTHIK MURALI B	
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47. 2116215111051 KAYATHERIS	
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49. 2116215111053 KOWSALYA U	
50. 2116215111054 KRITHIGA SREE T S	
51. 2116215111055 KRUPALNI R S	
52. 2116215111056 LAKSHMI NARASIMA BM	
53. 2116215111057 LAKSHMI NARAYANAN R	
54. 2116215111058 LEEKEETHA S B	
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57. 2116215111061 LOGESH T R	
58. 2116215111062 LOGESHWARI S	
59. 2116215111065 MAGESH P	
60. 2116215111066 MALAVEKA VG	
61. 2116215111067 MIR MOHSIN ALI	
62. 2116215111068 MOHAMED APSAR A	
63. 2116215111070 MONICA M	
64. 2116215111071 MURUGAN RS	
65. 2116215111072 NANDHINI JC	
66. 2116215111073 NANTHINI PRIYA J	
67. 2116215111075 NITESH SHARMA	
68. 2116215111077 NIVEDHA S	
69. 2116215111078 PARKAVI N	
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71. 2116215111080 POOJALAKSHMI M	
72. 2116215111081 PRAKASH M	
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74. 2116215111085 PRIYALINGA J	
75. 2116215111086 PRIYANKA M	
76. 2116215111087 RAHUL KS	
77. 2116215111088 RAMYA P	
78. 2116215111091 ROHAN SWAMINATHAN	
79. 2116215111092 SAKTHI PRIYA S	



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82.	2116215111097	SARAVANAA S
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92.	2116215111108	SUNDAR V G
93.	2116215111110	SWETHA V
94.	2116215111111	THARINI S
95.	2116215111112	THEEPALOSHINI S
96.	2116215111113	UMA M
97.	2116215111114	VARSHINI M S K
98.	2116215111115	VEDAVALLI N
99.	2116215111116	VENKATA HARIPRIYA B
100.	2116215111119	VISALI M
101.	2116215111120	VIVEK S
102.	2116215111122	YUVASHAKTHI G

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.



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### RAJALAKSHMI ENGINEERING COLLEGE Department of Management Studies 17<sup>th</sup> May, 2022

Workshop on Operations Management & Process Development

S.no	Roll No	STUDENT NAME	SIGNATURE
1.	215111001	ABHIS EMMANVEL ISAAC	Avr.
2.	215111002	ABITHA VARSHINI M	potett uti
3.	215111003	AKSHAY KUMAR L	1. Auctor
4.	215111005	AKSHAYA P	Akelegat
5.	215111006	ALOYSIUS ANTONY MICHAEL	Autof.
6.	215111007	ANNE SYLVIA S	S. Alla
7.	215111008	ANTONY AROKIAMARY IRENE	Inen A.A.
8.	215111009	ANUPRIYA M	M.Al
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10.	215111011	ARAVINDAN S	S Kate
11.	215111012	ARTHISWARI M	M.R.S
12.	215111013	ASHOK KUMAR V	Boons ib
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14.	215111015	BALAKRISHNAN P	D.Bay
15.	215111016	BENNYHINN JOSHUA S	sour-
16.	215111017	BHUVANESHWARI N	N.Khar
17.	215111018	CHARLIN FERNANDO R	Charlin
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31.	215111032	HARINI T	THE N REPORT OF A
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84.	215111085	PRIYALINGA J	m
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86.	215111088	RAMYA P	Rangep
87.	215111089	RANJITHA G	
88.	215111091	ROHAN SWAMINATHAN	S'rohas,
89.	215111092	SAKTHI PRIYA S	3. Saxtu Porya
90.	215111093	SANDHIYA L	1.64
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92.	215111095	SANTHOSHKUMAR E	
93.	215111096	SARATH PS	1,1
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113.	215111116	VENKATA HARIPRIYA B	BUH Ballys .
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115.	215111118	VIGNESH R	
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37.	215111038	ISWARYA RR	121
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40.	215111041	JANSI RANI T	G. Jaron
41.	215111042	JEEVA AM	Aug 1
42.	215111043	KALYAN V G	Kalua
43.	215111044	KAMALRAJI S	The Chi.
44.	215111045	KANCHANA DEVI C	E Kanshanalos.
45.	215111046	KAREN M	32 Programment
46.	215111047	KARTHICK AJ	Harthick Ari
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70.		MURUGAN RS	J.C. Nasalini
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## Rajalakshmi Engineering College

Department of Management Studies

"Workshop on Operations Management & Process Development

17.05.2022 Feedback

		Rating on satisfactory level towards (+5 to +1)			
S.No	Name of the Participant	Theory Sessions	Discussion and Activities	Overall Program	
1.	ABHIS EMMANVEL ISAAC	5	5	5	
2.	ABITHA VARSHINI M	5	5	5	
3.	AKSHAY KUMAR L	5	5	5	
4.	AKSHAYA P	4	5	4	
5.	ALOYSIUS ANTONY MICHAEL	5	5	5	
6.	ANNE SYLVIA S	4	5	4	
7.	ANTONY AROKIAMARY IRENE	5	5	5	
8.	ANUPRIYA M	5	5	5	
9.	ANUSUYA B	5	4	4	
10.	ARAVINDAN S	5	5	5	
11.	ARTHISWARI M	4	5	4	
12.	ASHOK KUMAR V	4	5	4	
13.	ASHWINI R	5	5	5	
14.	BALAKRISHNAN P	5	4	- 4	
15.	BENNYHINN JOSHUA S	4	4	5	
16.	BHUVANESHWARI N	5	4	5	
17.	CHARLIN FERNANDO R	4	5	4	
18.	DARSHANI G	5	5	5	
19.	DEEPIKA K	5	4	4	
20.	DEVI SHREE U	5 +	5	5	
21.	DINESH Y	4	5	4	
22.	DINESHSURYA M	4	5	4	
23.	DIVYA T	5	5	5	
24.	DIVYA BARATHY R I	5	4	4	
25.	FRANKLIN RAJA A	4	4	5	
26.	GANGA DEVI K	5	5	5	
27.	GOKULAVANI V	5	5	5	
28.	HARIPRASAD S	5	5	5	
29.	HARI S	4	5	4	
30.	HARINI J	5	5	5	
31.	HARIRAJAN CV	4	5	4	
32.	HEMASUDHA N	5	5	5	
33.	HEMACHANDIRAN R	5	5	5	
34.	HEMAVATHI V	5	4	4	
35.	HIRAN M DAVEY	5	5	5	



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PRINCIPAI RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHEMINAL - 602 105.

36.	ISWARYA RR	4	5	4
37.	JANANI G	4	5	4
38.	JANSI RANI T	4	5	4
39.	JEEVA AM	5	5	5
40.	KALYAN V G	5	5	5
41.	KAMALRAJI S	5	4	4
42.	KANCHANA DEVI C	5	5	5
43.	KARTHICK AJ	4	5	4
44.	KARTHIK MURALI B	4	5	4
45.	KARTHIKNATHAN K	5	5	5
46.	KAVETHANJALI V	5	5	5
47.	KAYATHERI S	5	4	4
48.	KEERTHANA C	5	5	5
49.	KOWSALYA U	5	5	5
50.	KRITHIGA SREE T S	5	5	5
51.	KRUPALNI R S	5	5	5
52.	LAKSHMI NARASIMA BM	5	5	5
53.	LAKSHMI NARAYANAN R	5	5	5
54.	LEEKEETHA S B	5	5	5
55.	LENIN LIONEL G	5	5	5
56.	LOGESH S	5	5	5
57.	LOGESH T R	5	5	5
58.	LOGESHWARI S	5	5	5
59.	MAGESH P	5	5	5
60.	MALAVEKA VG	4	5	4
61.	MIR MOHSIN ALI	4	5	4
62.	MOHAMED APSAR A	4	5	4
63.	MONICA M	- 4	5	4
64.	MURUGAN RS	4	5	4
65.	NANDHINI JC	4	5	4
66.	NANTHINI PRIYA J	4	5	4
67.	NITESH SHARMA	4	5	4
68.	NIVEDHA S	4	5	- 4
69.	PARKAVI N	5	5	5
70.	PONNUMANI V	4	5	4
71.	POOJALAKSHMI M	5	5	5
72.	PRAKASH M	5	5	5
73.	PRASANTH S	5	4	4
74.	PRIYALINGA J	5	5	5
74.	PRIYANKA M	4	5	4
76.	RAHUL KS	4	5	4
77.	RAMYA P	4	5	4



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78.	ROHAN SWAMINATHAN	5	5	5
79.	SAKTHI PRIYA S	4	5	4
80.	SANDHIYA L	5	5	5
81.	SANJAY KUMAR V	5	5	5
82.	SARAVANAA S	5	4	4
83.	SARAVANAN S	5	5	5
84.	SATHISHKANTH D	4	5	4
85.	SAYAND M	4	5	4
86.	SHALINI V	5	5	5
87.	SHEIK THAMEEM J	5	5	5
88.	SNEHA PR	5	4	4
89.	SREE HARI D	5	5	5
90.	SRI MEGHNA CHOUDHRY	4	5	4
91.	SRIJAH A	5	5	5
92.	SUNDAR V G	5	5	5
93.	SWETHA V	5	4	4
94.	THARINI S	5	5	5
95.	THEEPALOSHINI S	4	5	4
96.	UMA M	5	5	5
97.	VARSHINI M S K	5	4	5
98.	VEDAVALLI N	5	4	4
99.	VENKATA HARIPRIYA B	5	5	5
100.	VISALI M	4	5	4
101.	VIVEK S	5	5	5
102.	YUVASHAKTHI G	5	5	5

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Dr.M.Uma Raman Head of the Department Department of Management Studies

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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.



### Rajalakshmi Engineering College

### Department of Management Studies

### "Workshop on Operations Management & Process Development" on 17.05.2022 Feedback Assessment Record

Rating	Sessions	Score	Average	Outcome
Rating on	Theory Sessions	475	4.7	Highly Satisfied
satisfactory level towards	Discussion and Activities	494	4.8	Highly Satisfied
(+5 to +1	Overall Program	465	4.6	Highly Satisfied



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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105.

NAME OF THE SPEAKER	Prahalatha Varadhan TRH
DESIGNATION	QSM Enginees
INSTITUTION/UNIVERSITY/ORGA	Ratech Engineers
TITLE OF LECTURE	Worshop on - Operations management & process development
DATE	17.5.22
TIME	10.00 am - 1.00 pm
VENUE	Llentage hall - Rec
SIGNATURE OF SPEAKER	Perkother .
COMMENTS IF ANY	I beal proved to be a part & REC, had a very good experience, Thank You



### Rajalakshmi Engineering College

Department of Management Studies

"Workshop on Operations Management & Process Development

" on 17.05.2022



### **Event Report**

### Introduction

The program begin with our REC invocation song, followed by guest felicitation by Dr.Uma Raman, Head of the Department on behalf of our department, the program endure with welcome address by our department Yukthi Club members and delivery of event topic Workshop on "Operation Management and Process development" by our event Guest Mr.Prahalatha Varadhan.TPM.

### About the Program

The program begins with lead Business organizations exist for the primary purpose profit generation and take all measures to safeguard against potential risks that can be an obstacle to this purpose. The discussion sharpen the key part of topic such as.,

**Expectations:** 

- The Quality status is maintained
- On time completion of project
- CFT members contribution without affecting daily routines
- Knowledge management portal & FMEA is used for capture past problems of similar projects
- Risk assessment & mitigation plans are arrived

Assumptions:

- Demand expected to be stable during the course of the projects
- Paint cost expected to be stable
- Financial support will be obtained if ROI is justified

### Conclusion

The program ends with major discussion on the expectation and assumption of each and every operation and process development as revised process parameters are being monitored and maintained as derived specification limit. Projection completion status is being monitored in each stage through online system & completion communicated to all stake holders. Assumptions and expectations are arrived using FMEA, Kaizen Management system, Failure mode directory of solved problems, expert opinions and domain knowledge war S. W. Hemper

AUTONOMOUS INSTITUTION

# EVENT ORGANIZER



## RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

09<sup>th</sup>, July, 2022 Panel Discussion on Sustainable Business Practices in the New Normal Index

Sl. No.	Details	
1	Brochure	
2	Communication with Speakers	
3	Speaker Profile (s)	
* 4	List of Participants	
5	Attendance	
6	Photographs	
7	Feedback from the Participants	
8	8 Feedback from the speakers	
9 Event Report		

S.N. Lemper





## PANEL DISCUSSION ON "SUSTAINABLE BUSINESS PRACTICES IN THE NEW NORMAL"

RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY Chennai

### Organized by Department of Management Studies

**Eminent Panelists** 





SHRI S. SUJIT NAYAK Vice President & Business Unit Head -Aftermarket & Friction Brakes India Private Limited. SHRI N. R. RAJARAM Group Lead - Logistics Hub Pfizer Healthcare India Private Limited.



MS. UMA MELYAPPAN Director-Commercials, lyappan Engineering Industries Private Ltd & State Vice President, Laghu Udyog Bharathi, Tamilnadu chapter

VENUE Main Block Seminar Hall JULY **09, 2022 11.00** AM



5. W. Murpens



RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

01.07.2022

**To, The Principal,** Rajalakshmi Engineering College Thandalam, Chennai

Subject: Request for Conducting Panel Discussion

Permitted



### **Respected Sir**

I am writing this letter to request permission to conduct a "Panel Discussion Sustainable Business Practices in New Normal" on 09.07.2022

I would like to state that conducting a Panel Discussion would be very helpful for the students. The main focus of the Panel Discussion will be learning statistical analysis for doing any kind of academic & business research. It will be helpful for students in gaining practical knowledge.

I shall be highly obliged for your kind support.

**Yours Sincerely** 

Dr. Uma Raman Head of the Department Department of Management Studies

PROURAM COORDINATOR



RAJALAKSHMI **ENGINEERING COLLEGE An AUTONOMOUS Institution** Affiliated to ANNA UNIVERSITY, Chennai

### **REC/DOMS/21-22/15**

### 05.07.2022

### **CIRCULAR**

8/26/22, 7:54 AM

Rajalakshmi Engineering College Mail - E-INVITE from Department of Management Studies



Sajana KP <sajana.kp@rajalakshmi.edu.in>

#### E-INVITE from Department of Management Studies 1 message

Thu, Jul 7, 2022 at 8:17 AM To: Principal REC <principal@rajalakshmi.edu.in>, HODs <rec.hods@rajalakshmi.edu.in>, "Dr VMB Dean Academics REC, Chennai" <dean.academics@rajalakshmi.edu.in>, Staff\_MBA <staff\_mba@rajalakshmi.edu.in>, Abhay S Meganathan <abhay@rajalakshmi.edu.in>, Philip Praveen I <philippraveen.i@rajalakshmi.edu.in>, C R Muthukrishnan <crmkrishnan@gmail.com>, Subbiah M <subbiah.m@rajalakshmi.edu.in>

Respected Sir/Madam,

Greetings from the Department of Management Studies |

We take immense pleasure in inviting all to join us for the Panel Discussion on "Sustainable Business Practices in the New Normal'' to be held on Saturday the 9th July 2022 at 11.00a.m in Workshop Block Main Seminar Hall.

PFA the E- Invitation for your reference.

Soliciting your presence and support .

Thanking you, Yours sincerely Dr. UMA RAMAN.M. Professor & Head, Dept. of Management Studies, RAJALAKSHMI ENGINEERING COLLEGE CHENNAI. M- 9176172207



E-INVITE PANEL DISCUSSION.jpg 228K

J. W. Humper



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### **⊘** LOCATION

Chennai, TN, IN

### 🖻 WORK

Director @ Lumiere and Gepl

Vice President and Business Unit Head - Aftermarket and Friction @ Brakes India Private Limited

#### Vice President @ Brakes India Private Limited

Head of Sales - 2 Wheelers , Head - Customer Logistics @ Bosch India General Manager - Customer Logistics and Supply Chain @ Bosch India Head of Corporate Communications @ Bosch India Head Marketing and Demand Planning - Africa Region @ Robert Bosch South Africa General Manager - Brand Management @ Bosch India Marketing Support Manager @ MRF

Profit Center Head @ Tata Press (Informedia 18 Limited) sae less

#### **A EDUCATION**

Indian Institute of Management Bangalore (Management) 2015 - 2015

TAPat Management Institute, Manipal (Marketing, Management) 1992 - 1994

PSG Callege of Technology Bachelor of Engineering (Electronics Engineering) 1987 - 1991

Carmel Garden Matriculation Higher Secondary School sea less

### SKILLS

Product Marketing Market Planning Outdoor Advertising Brand Awareness Business Development Team Management Advertising Sales Management Direct Sales Advertising Research sae lass S Sujit Nayak Email Address Found 1 email address listing: ohotmail.com

### S Sujit Nayak Phone Number Found 3 phone numbers:

+91 99452 8XXXX, +91 80 2556 XXXX, +91 80 2299 XXXX

### View S's Email & Phone (It's Free)

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### RAJALAKSHMI ENGINEERING COLLEGE Department of Management Studies 09<sup>th</sup> July, 2022

### Panel Discussion on Sustainable Business Practices in New Normal List of Participants – I Year MBA

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## **RAJALAKSHMI ENGINEERING COLLEGE**

## Department of Management Studies 09<sup>th</sup>, July, 2022 Panel Discussion on Sustainable Business Practices in the New Normal Attendance

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# RAJALAKSHMI ENGINEERING COLLEGE Department of Management Studies 09<sup>th</sup>, July, 2022 Panel Discussion on Sustainable Business Practices in the New Normal Photograph













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# **RAJALAKSHMI ENGINEERING COLLEGE** Department of Management Studies 09<sup>th</sup> July, 2022

# Panel Discussion on Sustainable Business Practices in New Normal

Feedback

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Dr.M.Uma Raman Head of the Department Department of Management Studies



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# RAJALAKSHMI ENGINEERING COLLEGE Department of Management Studies 09<sup>th</sup>, July, 2022 Panel Discussion on Sustainable Business Practices in the New Normal Feedback Assessment Record

Rating	Sessions	Score	Average	Outcome
Rating on	Theory Sessions	561	4.7	Highly Satisfied
satisfactory level towards	Discussion and Activities	579	4.8	Highly Satisfied
(+5 to +1	Overall Program	547	4.6	Highly Satisfied

Homan

Dr.Uma Raman Head of the Department Department of Management Studies

# RAJALAKSHMI ENGINEERING COLLEGE Department of Management Studies 09<sup>th</sup>, July, 2022 Panel Discussion on Sustainable Business Practices in the New Normal Guest Feedback

Date	Name	Email/Address	Phone	Comments
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# RAJALAKSHMI ENGINEERING COLLEGE Department of Management Studies 09<sup>th</sup>, July, 2022 Panel Discussion on Sustainable Business Practices in the New Normal Event Report

#### Introduction

The program begin with our REC invocation song, followed by guest felicitation by Dr.Uma Raman, Head of the Department on behalf of our department, the program endure with welcome address by our department Yukthi Club members and delivery of event topic "Sustainable Business Practices in the New Normal" by our event Guests Mr. S.Sujit Nayak , Mr. N.R.Rajaram, Ms.Uma Meiyappan

#### About the Program

An interactive session was organized on "Sustainable Business Practices in the New Normal" on 09.07.2022 for the student of MBA.DOMS organized Panel Discussion by **Mr. S.Sujit Nayak** - The outbreak of the novel Coronavirus (COVID-19) pandemic and subsequent lockdown has posed several challenges for the Indian industry, which include liquidity crisis, lack of manpower and disruption of business operations: affecting continuity and sustainability of businesses. Virtually all major sectors of the economy such as health, automobiles, real estate, construction, steel, and energy, etc. are facing the brunt of the pandemic.

**Mr. N.R.Rajaram** - Survival of businesses will be dependent by how quickly they adapt themselves to the disruptions caused due to COVID, while maintaining continuity of business operations and taking care of people, asset, and business equity. It is time that we have discussion around businesses sustainability, continuity, and marketability.

**Ms.Uma Meiyappan** - An organisation that does not go back to where it started before the crisis but it is an organisation that has transformed and built attitudes, beliefs, agility and structure to be able to jump forward quickly

#### Conclusion

Finally, the speakers highlighted the importance of collaboration. They explained how the Global Compact acts as a platform of platforms for business development and sustainability. They also talked about the importance of embedding the Global Compact's 10 principles as they are extremely important for recovery. The panellists concluded by calling to the companies all over the world to align their strategies with universal issues and take actions

J. A. Henpor

EVENT ORGANIZER





# **CYBERSECURITY WORKSHOP – LEARN IN A WEEK**

SI. No.	Details
1	Communication Mail
2	Attendance
3	Trainers Profile
4	Photographs
5	Event Report

AL ENGINE AUTONOMOUS NSTITUTION

J.D. Hupen

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105

Philip Praveen I Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.



## RAJALAKSHMI ENGINEERING COLLEGE RAJALAKSHMI NAGAR, THANDALAM CHENNAI-602105

EVENT PERMISSION SHEET – CYBERSECURITY WORKSHOP

TITLE: CYBERSECURITY - LEARN IN A WEEK-WORKSHOP

CONDUCTED BY: Mr. Natarajan Swaminathan, Manager, TCS

**DATES:** 23.02.2022-7.03.2022

TARGETAUDIENCE: Third Years - CSE /IT

### **TOPICS COVERED:**

Cyber Security - An Introduction Cyber Security - Introduction to Governance, Risk, and Compliance Cyber Security - ISO 27001 Overview Cyber Security - PCI DSS Overview Cyber Security - SSA, IEC 62443 Overview Cyber Security - SSA, IEC 62443 Overview Cyber Security - NIST CSF 1.1, HIPAA Cyber Security - GDPR, Privacy Cyber Security - Audits Overview of Cybersecurity with a case study

#### **NEED FOR THE PROGRAM:**

This program was framed to create a tremendous awareness on various techniques that are used to exploit the privacy of data that is owned by an organization or an individual.

J.N.M

PRINCIPAL

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 802 105



DIRECTOR

TRAINING AND PLACEMENT

Philip Proveen 1 Director - Training Placement Rajatakahmi Engineering College Thandalam, Chennal - 602 195



Training REC <training@rajalakshmi.edu.in>

# TCS -LEARN IN A WEEK -CYBERSECURITY - 23 FEB -7 March 2022

Wed, Feb 23, 2022 Training Officer <training@rajalakshmi.edu.in> at 8:40 AM To: 181-SALMANLATHEEF TA <salmanlatheef.ta.2019.cse@rajalakshmi.edu.in>, santoshkumar.pa.2019@rajalakshmi.edu.in, 195 Satya M <satya.m.2019.cse@rajalakshmi.edu.in>, 270-YOGESHKUMAR R <yogeshkumar.r.2019.cse@rajalakshmi.edu.in>, 180 - SAKTHI G <sakthi.g.2019.cse@rajalakshmi.edu.in>, 200 - SHARVESHWARAN R <sharveshwaran.r.2019.cse@rajalakshmi.edu.in>, 176 - SAGAR Y <sagar.y.2019.cse@rajalakshmi.edu.in>, 178 - SAISPOORTI N <saispoorti.n.2019.cse@rajalakshmi.edu.in>, 204- SHWETHA M <shwetha.m.2019.cse@rajalakshmi.edu.in>, 207-SREEMON TM <sreemon.tm.2019.cse@rajalakshmi.edu.in>, 205 - SIDHARTH RAJ M <Sidharthraj.m.2019.cse@rajalakshmi.edu.in>, 194 Sasivarma c <sasivarma.c.2019.cse@rajalakshmi.edu.in>, 189 - SANTHOSH R <santhosh.r.2019.cse@rajalakshmi.edu.in>, 168 - ROSHAN M <roshan.m.2019.cse@rajalakshmi.edu.in>, 182-SAMYUKTHA RAJKUMARAN <samyuktha.rajkumaran.2019.cse@rajalakshmi.edu.in>, 172 - SABARISH ABISHEK W R <sabarishabishek.wr.2019.cse@rajalakshmi.edu.in>, 197 - SHAILENDAR DS <Shailendar.ds.2019.cse@rajalakshmi.edu.in>, 196 - SHAHULHAMEED PTS <shahulhameed.pts.2019.cse@rajalakshmi.edu.in>, 208-SREENATH PRASADH <Sreenath.prasadh.2019.cse@rajalakshmi.edu.in>, 177 - SAI HARI HARAN V <saihariharan.v.2019.cse@rajalakshmi.edu.in>, 170 - RYAN FARDEEN A <ryanfardeen.a.2019.cse@rajalakshmi.edu.in>, 163 - RITHESH S <rithesh.s.2019.cse@rajalakshmi.edu.in>, 159 - RAKESH RM <rakesh.rm.2019.cse@rajalakshmi.edu.in>, 175 - SACHIT R <sachit.r.2019.cse@rajalakshmi.edu.in>, 165- Rohit Gangadhar P <rohitgangadhar.p.2019.cse@rajalakshmi.edu.in>, ABINAYA E <abinaya.e.2019.it@rajalakshmi.edu.in>, ADITYA R <aditya.r.2019.it@rajalakshmi.edu.in>, ADITYA VENKATESH <aditya.venkatesh.2019.it@rajalakshmi.edu.in>, AFSANAMARIAM M <afsanamariam.m.2019.it@rajalakshmi.edu.in>, ANURAAGAVI MR <anuraagavi.mr.2019.it@rajalakshmi.edu.in>, ATHISTA VIGNESH PS <athistavignesh.ps.2019.it@rajalakshmi.edu.in>, HARISAHAMED MJ <harisahamed.mj.2019.it@rajalakshmi.edu.in>, JAYASHRAVAN S <jayashravan.s.2019.it@rajalakshmi.edu.in>, JOTHILAKSHMI S <Jothilakshmi.s.2019.it@rajalakshmi.edu.in>, KAAVYA P <kaavya.p.2019.it@rajalakshmi.edu.in>, KAVIYA M <kaviya.m.2019.it@rajalakshmi.edu.in>, KESHIKA B <keshika.b.2019.it@rajalakshmi.edu.in>, LAKSHMI PRIYA R <Lakshmipriya.r.2019.it@rajalakshmi.edu.in>, MANISHANKAR S <manishankar.s.2019.it@rajalakshmi.edu.in>, MANOJ R <manoj.r.2019.it@rajalakshmi.edu.in>, SHARMILA M <sharmila.m.2019.it@rajalakshmi.edu.in>, SHEIKSAMEERASABRIN W <sheiksameerasabrin.w.2019.it@rajalakshmi.edu.in>, THAANYA S <thaanya.s.2019.it@rajalakshmi.edu.in>, SUSHMITHA S <sushmitha.s.2019.it@rajalakshmi.edu.in>, TAMILARASAN S <tamilarasan.s.2019.it@rajalakshmi.edu.in>, 65 - PETHACHI PR <pethachi.pr.2019.it@rajalakshmi.edu.in>, SIBIHIRITHIK K <sibihirithik.k.2019.it@rajalakshmi.edu.in>, 79 SANJAY KUMAR R <sanjaykumar.r.2019.it@rajalakshmi.edu.in>, SANTOSH S <santosh.s.2019.it@rajalakshmi.edu.in>, PAVITHRAN 64

Director Training Placement Rajalakshmi Engineering College

cypavithran.vv.2019.it@rajalakshmi.edu.in>, 66 - PRANESH BOOPATHY
>pranesh.boopathy.2019.it@rajalakshmi.edu.in>, 69-Praveenkumar K
>praveenkumar.k.2019.it@rajalakshmi.edu.in>, NITHYASHREE\_57 KP
<nithyashree.kp.2019.it@rajalakshmi.edu.in>, 67-PRASATH R
>prasath.r.2019.it@rajalakshmi.edu.in>, SRINIVAS S <srinivas.s.2019.it@rajalakshmi.edu.in>
Cc: Philip Praveen I <philippraveen.i@rajalakshmi.edu.in>, placement@ritchennai.edu.in

Dear All

Please find the joining link for the session.

Topic: TCS:: Learn in a day series:: 23.02.2022 to 07.03.2022

Time: Feb 23, 2022 9.15 am India to Mar 07, 2022 11.30 am

Join Zoom Meeting

https://us06web.zoom.us/i/86495271632?pwd=ejgyQldYMllwZzVST2VGVDZOMDBMdz09

Meeting ID: 864 9527 1632 Passcode: 831106

Regards Philip [Quoted text hidden] --[Quoted text hidden]

Failip Proveen I

Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.



Training REC <training@rajalakshmi.edu.in>

# TCS -LEARN IN A WEEK -CYBERSECURITY - 23 FEB -7 March 2022

Training Officer <training@rajalakshmi.edu.in>

Tue, Feb 22, 2022 at 1:23 AM

To: Hod Computer Science and Engineering <hod.cse@rajalakshmi.edu.in>, HOD Information Technology <hod.it@rajalakshmi.edu.in> Cc: Philip Praveen I <philippraveen.i@rajalakshmi.edu.in>, Vinod Kumar S

<vinodkumar.s@rajalakshmi.edu.in>, Charulatha BS <charulatha.bs@rajalakshmi.edu.in>, Benedict.jn@rajalakshmi.edu.in>, placement@ritchennai.edu.in

Dear Sir/Madam

We are pleased to inform you that TCS - Learn in a week series on Cybersecurity is scheduled from 23 Feb 2022 - 7 March 2022. Kindly permit all the students nominated in the attached list for the session. Request to assign a faculty for the session on all the below-mentioned dates.

Timing: 9.30 am - 11.30 am

Venue: TLSR - LAB

We are pleased to inform you that we will be delivering the below schedule at your institution.

Date	Institute	Торіс
23-Feb- 22	Rajalakshmi Engineering College, Chennai	Cyber Security - An Introduction
24-Feb- 22	Rajalakshmi Engineering College, Chennai	Cyber Security - Introduction to Governance, Risk, and Compliance
25-Feb- 22	Rajalakshmi Engineering College, Chennai	Cyber Security - ISO 27001 Overview
28-Feb- 22	Rajalakshmi Engineering College, Chennai	Cyber Security - PCI DSS Overview
1-Mar- 22	Rajalakshmi Engineering College, Chennai	Cyber Security - SSA, IEC 62443 Overview
2-Mar- 22	Rajalakshmi Engineering College, Chennai	Cyber Security - NIST CSF 1.1, HIPAA
3-Mar <del>.</del> 22	Rajalakshmi Engineering College, Chennai	Cyber Security - GDPR, Privacy
4-Mar- 22	Rajalakshmi Engineering College, Chennai	Cyber Security - Audits
7-Mar- 22	Rajalakshmi Engineering College, Chennai	Overview of Cybersecurity with a case study

Regards

Philip Praveen I REC Philip Praveen I Director - Training-Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.





#### NATARAJAN SWAMINATHAN

- 👙 🔰 Education MCA (Regional Engg College, Surathkal Now NIT)
- Experience
  - ✓ 26+ years in TCS
    - 10 years application development, support, maintenance, conversion, team member, lead, manager.

RAJALAKSHMI

An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

ERING COLLEGE

- 17 years information security, compliance, risk management, implementation of ISO 27001 / BS7799 / PCI DSS / HIPAA / DPA / EU-DPA / GDPR / SSAE-16 / SAS-70 / SOX, audits – compliance audits, statutory audits, awareness programs, application security and internal investigations
- 🐇 Hobbies
  - ✓ Swimming, listening to music, percussionist (Mridangam), story books, driving, mentoring and Yoga 26+ years
- 👙 🔰 Languages known
  - ✓ Tamil, English, Telugu, Kannada, Sanskrit and Hindi

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Philip Preveen I Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.

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ATTENDANCE - 23 Feb 2022 - 7 March 2022- CYBERSECURITY

ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

RAJALAKSHMI

Director - Training Placement Director - Training Placement College

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Director - Training Placement Rajaiakshmi Engineering College Thand Jam Chennei - 602 105.

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FEEDBAC	K FORM				
Roll No: 190701175 Program: Cyberreculty Worldshop Date: 7.03.2022 Department: CSE Please tick() the appropriate score against each question	Venue: N	1 in De	unal	hall.	
Questionnaire	Below Average	Average	Fair	Good	Very Good
Length and pace of the program					0000
Quality and coverage of the course materials provided				1	
Extent to which this course helped you in understanding the subject with respect to industry requirements				/	
Overall Effectiveness of the training session .				1	
Audio - Visual arrangements and other facilities at the venue				1	
Your contact details(Optional) Name: SACHIT Contact Number Thanks for your active participation.	and	enten	ing		

Roll No: 19070163	K FORM				
Program: CYBER SECURITY WORLES HOP Date: 07.03, 2022 Department: CBE CSA Please tick() the appropriate score against each question	Venue: 隆	1ini Se	MINAR	HALL	
Questionnaire	Below Average	Average	Fair	Good	Very Good
Length and pace of the program			-		
Quality and coverage of the course materials provided			-		
Extent to which this course helped you in understanding the subject with respect to industry requirements				~	
Overall Effectiveness of the training session				1	
Audio - Visual arrangements and other facilities at the venue			2		
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Philip Praveen I Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.

FEEDBAC	K FORM				
Roll No: 190701175 Program: Generally Worldshop Date: 7.03.2022 Department: CSE Please tick() the appropriate score against each question	Venue: N	1ún De	uñal	hall.	
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Questionnaire	Average	Average	Fair	Good	Good
Length and pace of the program				1	
Quality and coverage of the course materials provided				1	
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Overall Effectiveness of the training session				/	
Audio - Visual arrangements and other facilities at the venue				/	
Your contact details(Optional) Name: SACHIT Contact Number Thanks for your active participation.	and	inten	ihg		

FE Roll No: 190701163 Program: CYBER SECURITY WORKESHOP Date: 07.03, 2022 Department: CSE CSE Please tick() the appropriate score against each question

	Below				Very
Questionnaire	Average	Average	Fair	Good	Good
Length and pace of the program			-		
Quality and coverage of the course materials provided			_		
Extent to which this course helped you in understanding the subject with respect to industry requirements				-	
Overall Effectiveness of the training session				1	
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FEEDBACK FORM

Philip Praveen I Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.

Venue: MINI SEMINAR HALL



#### CYBERSECURITY – LEARN IN A WEEK- 23 Feb 2022 - 7 March 2022



Trainer Mr. Natarajan Swami Nathan Virtual Mode–TCS creating the awareness on how to monitor systems and mitigate threats when they occur.

Phillip Preveen I Director - Training Placement Rajalakshmt Engineering College Thandalam, Chennel - 502 105-

	Rajalakshmi Engineering Col	lege, Che	ennai -	602 1	.05	
	Training and Placeme					
	Event Name: Cyber Security we	orkshop	- Learn	in we	eek	
1	Summary on F	eedback	K			
	23.02.2022 to 07	.03.2022				
	Total streng	th- 55				
Q. No.	Questionnaire	Good	Fair	Average	Below Average	
Q1	Length and pace of the program	31	20	4	0	0
Q2	Quality and coverage of the course materials provided	32	20	2	1	0
Q3	Extent to which this course helped you in understanding the subject with respect to industry requirements	26	22	6	1	0
Q4	Overall effectiveness of the training sessions	31	18	6	0	0
Q5	Audio-visual arrangements and other facilities at the venue	24	25	5	1	0





Training placement Rajalakabmi Engineen.ig 1 - 3 nasiami Chennal - 552 - 65



#### **EVENT REPORT - CYBERSECURITY WORKSHOP - LEARN IN A WEEK**

This program was initiated to clarify on the myths prevailing about the cybersecurity among the students. The "LEARN IN A WEEK CYBERSECURITY was framed from **23 FEB -7 March 2022** for the CSE and IT students and **55** participated in this program. It was a great platform to learn and implement cyber security.

The training was accompanied with clear presentation that boosted the change in mindset and working practices. The structured approach to such a wide topic with some fantastic take always and examples were commendable.

Computer security, cybersecurity, is the protection of computer systems and networks from information disclosure, theft of or damage to their hardware, software, or electronic data, as well as from the disruption or misdirection of the services they provide. The "Learn in a day" has been truly valuable at this part of career development and helped to establish new skills over the period of just a week.

The trainer was exceptionally supportive in figuring out challenging terms of the modules. The program created tremendous awareness on various techniques that are used to exploit the privacy of data that is owned by an organization or an individual too.

The program proceeded with the most basic terms and walked through numerous realtime cybercrime cases that destroyed the stock market and Indian economy. The live sessions were determined to engage each and every pupil attending the training. This cyber Security study programme taught us how to protect computer operating systems, networks, and data from cyber-attacks.

### **Event Outcome:**

Students learnt to monitor systems and mitigate threats when they happen. The program cleaned up on numerous significant cyber threats and their prevention in a very clear and cordial way.

J.N.M

PRINCIPAL

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105



DIRECTOR TRAINPNGIAND PLACEMENT Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.



#### **HCL SUNSHINE CERTIFICATION**

SI. No.	Details
1	Communication Mail
2	Attendance
3	Trainers Profile
4	Photographs
5	Event Report



J. U. Lupp

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAL - 602 105

Philip Praveen I

Philip Praveen a Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.



### RAJALAKSHMI ENGINEERING COLLEGE RAJALAKSHMI NAGAR, THANDALAM CHENNAI-602105

#### **EVENT PERMISSION SHEET**

TITLE: HCL SUNSHINE CERTIFICATION

**CONDUCTED BY: HCL-AICTE** 

**DATES:** 22 Nov 2021 to 24 Dec 2021

TARGETAUDIENCE: Second Years

#### **TOPICS COVERED:**

- Cybersecurity
- Testing Automation,
- Endpoint Management,
- Devops,
- Digital Marketing and Cloud Native Database.

#### **NEED FOR THE PROGRAM:**

To gain knowledge in Digital Marketing.

J.W.M

Principal

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105



Director

Training & Placement Philip Praveen I Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.

_		_
5	RAJALAKSHMI INGNISENGCOLLIGT	
(22)	ENCANETRING COLLECT	

Training REC <training@raialakshmi.edu.in>

#### Project Sunshine Update & Revlew requested 2 messages

 
 Ajeet Kumar . <ajeetkumar@hd.com>
 Thu, Jai

 To: Training Officer <training@rajalakshmi.edu.in>, Philip Praveen I <philippraveen.i@rajalakshmi.edu in>, "principal@rajalakshmi.edu in" <principal@rajalakshmi.edu.in>

 Cc: Prasanna Cormbatore <prasanna.c@hd.com>, "ddpapb@aicte-india.org" <ddpapb@aicte-india.org>, "consultantipc@aicte-india.org" <consultantipc@aicte-india.org"</td>
 Thu, Jan 6, 2022 at 12:05 PM

#### Dear Philip Praveen/Ambika John,

Greetings from HCL Software Academy!!

We are very pleased to inform you that we have successfully completed Sunshine program that started with orientation session on 12<sup>th</sup> Nov 2021 and concluded on 26<sup>th</sup> December 2021 with assessment test.

Please find the list of students that cleared the assessment and certificate will be sent to their email-id by 31<sup>st</sup> Jan 2022.

As part of process we will require college to provide feedback about the program.

Request you to please provide your feedback about the program.

Thank you very much for your participation and assistance to carry-out the program smoothly.

47

Thanks and Regards

#### Aleet Kumar

Unica Enthusiast - HCL Software Academy HCL SOFTWARE Mobile No. - +91-7011378932 w.hciteches.co

2/18/22, 8:41 PM

Rajatakshmi Engineering College Mail - HCL SUNSHINE - Certification Program - Digital Markeling\*

RAJALAKSHMI 

Training REC <training@raialakshmi.edu.in>

Sat. Nov 20, 2021 at 3:04 PM

#### HCL SUNSHINE - Certification Program -"Digital Marketing".

Dear All

HCL Sunshine - Digital Marketing training starts from 22 November 2021 and the invite links are forwarded to all the student's mail. Request all to please join in this session by 7.00 pm on Monday for the training classes. It will only be an hour session so request to attend without fail. Attendance is mandated for the session and the same will be forwarded to your respective departments. Defaultars will be excluded from all the training programs if they are regular for the training.

5706453270705334073

Kindly check the what's app grp for any updates on this event. Students yet to join the WhatsApp grp pts use the balow link to join asap https://chat.whatsapp.com/C49foayOI0j3WxVLkU2FkO

#### **Microsoft Teams meeting**

227e1Geb18

Join on your computer or mobile app

Click here to join the meeting

Learn More | Meeting options

Regards Philip Praveen I REC

Sum

Philip Praveen I **Director - Training Placement** Kajalakshimi Engineering Gollege Thandalam, Chennal - St. 105.





# List of Participants-22 Nov 2021 to 24 Dec 2021

[	REGISTER NO	NAME	GENDE R	DEPARTMENT	MOBILE NO	COLLEGE MAIL ID
+ [	201001105	C.S Sri Shakthi Priya	FEMALE	IT	8668015740	201001105@rajalakshmi.edu.in
2	201001101	SHRI VARSHAN K	MALE	IT	9944565210	201001101@rajalakshmi.edu.in
3	201001088	V. ROOBINI	FEMALE	IT	7010699863	201001088@rajalakshmi.edu.in*
- y[	201001123	Yashvandana M	FEMALE	IT	6383673766	201001123@rajalakshmi.edu.in*
5	201001087	Rishikesh.G.H	MALE	IT	9042281679	201001087@rajalakshmi.edu.in-
6	201001125	B.YUVARAAJ	MALE	IT	9629808787	201001125@rajalakshmi.edu.in-
7	201001053	H.Mahaan mithrar	MALE	IT	9789924443	201001053@rajalakshmi.edu.in-
8	201001029	Harshitha. K	FEMALE	IT	9566873285	201001029@rajalakshmi.edu.in
9	201001122	B. VISVESH	MALE	IT	9600014485	201001122@rajalakshmi.edu.in -
10	201001013	Deepak S	MALE	łT	7358195178	201001013@rajalakshmi.edu.in .
11	201001043	Keshan, S	MALE	IT	8015911557	201001043@rajalakshmi.edu.in -
12	201001047	Lavanya K	FEMALE	IT	9994548699	201001047@rajalakshmi.edu.in
13	201001051	Madhumitha R	FEMALE	IT	+917358004951	201001051@rajalakshmi.edu.in -
14[	201001089	Roshni Kobula R	MALE	IT	9895562690	201001089@rajalakshmi.edu.in
15	201001094	Sanjay. P	MALE	IT	9150855235	201001094@rajalakshmi.edu.in
16	201001113	A.Tinisha	FEMALE	IT	+917358278877	201001113@rajalakshmi.edu.in .
17	201001034	Janaki M	FEMALE	IT	9171881230	201001034@rajalakshmi.edu.in
18	201001045	Lakshmi s	MALE	IT	6385288113	201001045@rajalakshmi.edu.in.
19	201001062	MUTHUSAMY S	MALE	IT	6379935003	201001062@rajalakshmi.edu.in
20	201001040	KARAN K K	MALE	IT	7449252137	201001040@rajalakshmi.edu.in
)મ	200701259	Subhiksha P S	MALE	CSE	9600141970	200701259@rajalakshmi.edu.in
22	200701155	Mustafa Abdullahbhai Khorakiwala	MALE	CSE	9962338185	200701155@rajalakshmi.edu.in
23	200701027	Aristotle D	MALE	CSE	9080574631	200701027@rajalakshmi.edu.in
24	200701070	EASHAAN MANOHAR	MALE	CSE	9176602002	200701070@rajalakshmi.edu.in.
25	200701154	MUQADDAM AAQIL SHERIFF	MALE	CSE	9941199910	200701154@rajalakshmi.edu.in
26	200701077	Haribala S	MALE	CSE	8610009223	200701077@rajalakshmi.edu.in.
27	200701256	Subathra V	FEMALE	CSE	6380519922	200701256@rajalakshmi.edu.in
28	200701157	NARESH.G	MALE	CSE	8667738371	200701157@rajalakshmi.edu.in .
29	200701180	K PRITIKA	FEMALE	CSE	9841398756	200701180@rajalakshmi.edu.in
30	200701081	Harshini.S	FEMALE	CSE	9025868937	200701081@rajalakshmi.edu.in
31	200701152	Monisha R	FEMALE	CSE	7200811559	200701152@rajalakshmi.edu.in
32	200701196	Rhikshitha K	MALE	CSE	8754495662	200701196@rajalakshmi.edu.in
33	200701267	SURIYA PRAKASH U	MALE	CSE	9381004087	200701267@rajalakshmi.edu.in
34	200701015	Akilesh KR	MALE	CSE	8925667398	200701015@rajalakshmi.edu.in
35	200701025	A Anitha Pai	FEMALE	CSE	9840024705	200701025@rajalakshmi.edu.in
36	200701195	Revathi.S.	FEMALE	CSE	6369261347	200701195@rajalakshmi.edu.in
37	200701252	SRINIVAS R V	MALE	CSE	8925732360	200701252@rajalakshmi.edu.in
38	200701006	Abinayapriya R	FEMALE	CSE	9361295228	200701006@rajalakshmi.edu.in

Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennal - 60° 105.

39	200701127	KIRAN VS	MALE	CSE	8072972191	200701127@rajalakshmi.edu.in
40	200701199	S.Rithika	FEMALE	CSE	9025484181	200701199@rajalakshmi.edu.in
41	200701281	Varshnee LD	FEMALE	CSE	9080456075	200701281@rajalakshmi.edu.in
42	200701280	V VARSHINI	FEMALE	CSE	8610443133	200701280@rajalakshmi.edu.in
43	200701053	Deepaa.U	FEMALE	CSE	+919940863322	200701053@rajalakshmi.edu.in
44	200701011	Afrah Fathima. S	MALE	CSE	9840697650	200701011@rajalakshmi.edu.in
45	200701041	Benjamingeorgevarghese	MALE	CSE	7358248100	200701041@rajalakshmi.edu.in
46	200701223	Saran J U	MALE	CSE	9962027673	200701223@rajalakshmi.edu.in
47	200701309	ILAKIA S R	MALE	CSE	8825440091	200701309@rajalakshmi.edu.in
48	200701263	SUJITH AKSAY .M	MALE	CSE	9094145478	200701263@rajalakshmi.edu.in
49	200701112	Kandrikar Huda Fathima	MALE	CSE	7603838530	200701112@rajalakshmi.edu.in
50	200701136	Madhuvarshini.N.A.	MALE	CSE	9677202205	200701136@rajalakshmi.edu.in
51	200701067	Dhivya S	FEMALE	CSE	8072632368	200701067@rajalakshmi.edu.in
55	200701109	KABILAN J	MALE	CSE	6381401436	200701109@rajalakshmi.edu.in
53	200701141	MANJU SREE .R	FEMALE	CSE	9080666601	200701141@rajalakshmi.edu.in
54	200701241	I MD Shuaib Khan	MALE	CSE	9499059590	200701241@rajalakshmi.edu.in'
55	200701211	SANDRA DOSS.S	MALE	CSE	8903761160	200701211@rajalakshmi.edu.in
56	200701122	KEERTHANA E	FEMALE	CSE	6380784089	200701122@rajalakshmi.edu.in
57	200701088	Indrajith S	MALE	CSE	7358174434	200701088@rajalakshmi.edu.in
58	200701301	YOGESH.S.V	MALE	CSE	8610846819	200701301@rajalakshmi.edu.in -
59	200701058	Deepakraj.K	MALE	CSE	9962383356	200701058@rajalakshmi.edu.in

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Philip Praveen I Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.



# **About Trainer**



Mr. Ajeet Kumar

• Dynamic & techno-savvy IT Professional with around 16 years of well-honed experience in different technologies with specialization in Marketing Automation - Digital Marketing and Campaign Management.

• Experience in Planning, Analysis, Design, Development, Debugging, Documentation and Production Support of B2B and B2C Applications on Salesforce Marketing Cloud and Unica Suites of applications using formal and agile Software engineering and Project management methodologies,

Experienced in handling various projects from the feasibility to the implementation stage while handling research & requirement analysis.

Strong interpersonal skills with experience of managing cross-functional assignments

• Experience in Triage production environment following ITSM process and Leading Warrooms.

• Possess knowledge organizing of various Software & SDLC (Waterfall and Agile) methodology, technical demonstrations, designing, analysis, testing, and database development & coding for modules while structuring customized solutions to meet customer's specific needs.

• Self-motivated, hardworking and goal-oriented with a high degree of flexibility, resourcefulness, commitment and optimism.

 Core capabilities in IT Project Management, Campaign Management, Solution Architect, Software Development, Testing, Maintenance, Enhancement, Troubleshooting & Customer/Client Relationship Management.

Upr Proveen I Director - Training Placement Rajalakshmi Engineering College Chennai - 602 105.





#### **MODULES COVERED**



U Philip Praveen I Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennal - 602 105.



## Attendance - HCL SUNSHINE CERTIFICATION

#### 22 Nov 2021 to 24 Dec 2021

HCL-SUN SHINE ATTENDANCE REGISTER (Responses)

mestamp	Email Address	REGISTER NUMBER	NAME	DEPARTMENT	College Email id	Contact No. (Whatsapp no.)
11/22/2021 5:44:05	200701081@rajalakshmi	200701081	Harshini S	CSE	200701081@mjalalishmi	9025868937
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11/22/2021 5:44:55	200701127@rajalakshmi.	200701127	Kiren vs	CSE	200701127@rejalakshmi	8072972191
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11/22/2021 6:19:54	200701199@rajatakshmi	200701199	Rithika S	CSE	200701199gmalakshmi	9025484181

hilip Praveen I Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.



RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution

HCL-SUN SHINE ATTENDANCE REGISTER (Responses)

Timestamp	Email Address	REGISTER NUMBER	NAME	DEPARTMENT	College Email id	Contact No. (Whatsepp no.)
11/26/2021 5:45:51	201001123@rajalakshmu	201001123	YASHVANDANA M	П	201001123@rajalakshmi	6383673766
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11/26/2021 5:48 46	200701053@rejelakshmi	200701053	Deepaa U	CSE	200701053@rajalakshmi	9940863322
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11/26/2021 5:51:37	200701006@rajalakshmi	200701006	Abinayapriya R	CSE	200701006@rajalakshmi	9361295228
11/26/2021 5:51:39	201001053@mjelakshmi.	201001053	H. Mahaan mithrar	п	201001053@rejalakshmi	9789924443
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11/29/2021 5:24:05	201001101@rajalakshmi.	201001101	SHRI VARSHAN K	п	201001101@rajalakshmi.	9944565210
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11/29/2021 5:24:18	200701267@rejalakshmi	200701267	SURIYA PRAKASH U	CSE	200701267@rajala/shmi.	9381004087

Philip Preveen I

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Philip Present a Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.



RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

HCL-SUN SHINE ATTENDANCE REGISTER (Responses)

Timestamp	Email Address	REGISTER NUMBER	NAME	DEPARTMENT	College Email id	Contact No. (Whatsapp no.)
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Philip Proveen I Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105. s





#### HCL-SUN SHINE ATTENDANCE REGISTER (Responses)

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Pittip Proceeding Director - Training Placement Pajalakshmi Engineering College Thaodolam, Chennal - 602 105. •

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# RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

HCL-SUN SHINE ATTENDANCE REGISTER (Responses)

Timestamp	Email Address	REGISTER NUMBER	NAME	DEPARTMENT	College Email id	Contact No	(Whatsapp no.)
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12/3/2021 5:50:32	200701154@rajalakshmi.	200701154	MUQADDAM AAQIL SHE	CSE	200701154@rajalakshmi.		9941199910

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RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

#### HCL-SUN SHINE ATTENDANCE REGISTER (Responses)

Timestamp	Ernail Address	REGISTER NUMBER	NAME	DEPARTMENT	College Email id	Contact No. (Whatsapp no.)
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12/6/2021 6:38:38	200701281@rajalakshmi	200701281	Varshnee LD	CSE	200701281@rajalakshmi	9080456075

Director Training Placement Director Training Placement Rajalakshmi Engineering 602 105. Rajalakshmi Engineering 602 105.



RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution

HCL-SUN SHINE ATTENDANCE REGISTER (Responses)

mestamp	Email Address	REGISTER NUMBER N	IAME	DEPARTMENT	College Emeil id	Contact No	(Whatsapp no.)
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	200701301@rajalakshmi	200701301 Y	1 1	CSE	200701301@rajalakshmi.		8610846819

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Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.





#### HCL-SUN SHINE ATTENDANCE REGISTER (Responses)

Timestamp	Email Address	REGISTER NUMBER	NAME	DEPARTMENT	College Email id	Contact No. (Whatsapp no.)
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12/7/2021 5:48 5	5 200701263@rajalakshmi	200701263	Sujith Aksay M	CSE	200701263@rajalakshmi.	9094145478
12/7/2021 5:50:10	3 201001089@rajalakshmi	201001089	Roshni Kobula R	п	201001089@rejalekshmi.	9895562690
12/7/2021 5:50:52	2 201001029@rejelakshmi	201001029	Harshitha. K	π	201001029@rajalakshmi.	9566873285
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12/7/2021 6:09:43	200701067@rajalakshmi	200701067	Dhivya S	CSE	200701067@rajalakshmi.	8072632368
12/7/2021 0:25:59	200701141@rejslakshmi	200701141	MANUU SREER	CSE	200701141@rajalakshmi.	9080666601
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	200701088@rajalakshmi.			CSE	200701088@rajalakshmi.	7358174434

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Rajalakshmi Engineering College Thandalam, Chennal - 602 105.



RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution

HCL-SUN SHINE ATTENDANCE REGISTER (Responses)

Timestamp	Email Address	REGISTER NUMBER	NAME	DEPARTMENT	College Email id	Contact No. (Whatsapp no.)
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12/10/2021 5:56:31	201001113@rajalakshmi	201001113	Tinisha A	п	201001113@rajalakshmi.	7358278877
12/10/2021 5:57:01	201001088@rajalakshmi	201001088	ROOBINI, V	π	201001088@rajalakshmi	7010699863
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RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

HCL-SUN SHINE ATTENDANCE REGISTER (Responses)

Timestamp	Email Address	REGISTER NUMBER	NAME	DEPARTMENT	College Email id	Contact No.	(Whatsapp no.)
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12/13/2021 6:09:02	201001053@rejalakshmi	201001053	H, Mahsan mithrar	п	201001053@rajalakshmi		9789924443
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12/13/2021 6:13:43	201001122@rejelakshmi.	201001122	VISVESH B	п	201001122@rajalakshmi.		9600014485
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12/13/2021 6:15:14	201001047@rajalakshmi.	201001047	Lavanya K	π	201001047@rajalakshmi		9994548699
12/13/2021 6 15:50	200701041@rajalakshmi	200701041	Benjamin George Varghe	CSE	200701041@rajalakshmi		7358248100
12/13/2021 6:17:14	200701141@rajalakshmu	200701141	MANJU SREER	CSE	200701141@rajalakshmi.		9060666601
12/13/2021 0:17:58	201001089@rajalakshmi.	201001089	Roshni Kobula R	IT	201001089@rajalakshmi.		9695562690
12/13/2021 6:18:20	200701006@rajalakshmi.	200701006	Abinayapriya R	CSE	200701006@rajalalishmi		9361295228
12/13/2021 6:18:20	201001125@rajalakshmi	201001125	B yuvaraaj	п	201001125@rajalakshmi.	,	9629808787
12/13/2021 6:18:34	200701301@rajalakshmi.	200701301	YOGESHSV	CSE	200701301@rajalakshmi.	. 8	6108461818
12/13/2021 6:18:39	200701281@rajelakshmi.	200701281	Varshnee LD	CSE	200701281@rajalakshmi.		9080456075
12/13/2021 6.18.50	200701067@rajalakshmi.	200701067	Dhivya S	CSE	200701067@rajalakshmi		8072632368
12/13/2021 6:19:00	200701259@rajalakshmi.	200701259	Subhiksha P S	CSE	200701259@rajalakshmi.		9600141970
12/13/2021 6:19:45	201001101@rajalakshmi.	201001101	SHRI VARSHAN K	п	201001101@rajalakshmi.		9944565210
12/13/2021 8:19:55	200701122@rajalakshmi.	200701122	Keerthana E	CSE	200701122@rajalakshmi	,	6360784089
12/13/2021 6:20:12	201001105@rajelakshmi.	201001105	C S Sn Shakthi Priya	π	201001105@rejalakshmi.		8668015740
12/13/2021 6:24:02	201001051@rejelakshmi.	201001051	Madhumitha R	π	201001051@rajalakshmi		7358004951
12/13/2021 6:26:07	200701195@rajalakshmi.	200701195	Revathi S	CSE	200701195@rajalakshmi.		6369261347
12/13/2021 6:28 13	201001040@rajatakshmi.	201001040	KARAN K K	n	201001040@rejalakshmi.		7449252137
12/13/2021 6:30:12	201001062@rajalakshmi.	201001062	MUTHUSAMY S	п	201001062@rajalakshmi.		6379935003
12/13/2021 6:30:18	201001045@rajalakshmi.	201001045	Laikshmi s	п	201001045@rajalakshmi.		6385288113
12/13/2021 8:32:50	200701154@rajalakshmi.	200701154	MUQADDAM AAQIL SHE	CSE	200701154@rajalakshmi.		9941199910

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U U Preveen I Philip Preveen I Director - Training Placement Rajalakshmi Engineering Collega Thandalam, Chennal - 602 105.



## RAJALAKSHMI ENGINEERING COLLEGE An AUTONOMOUS Institution Affiliated to ANNA UNIVERSITY, Chennai

HCL-SUN SHINE ATTENDANCE REGISTER (Responses)

Timestamp	Email Address	REGISTER NUMBER	NAME	DEPARTMENT	College Email id	Contact No. (Whatsapp no.)	
12/13/2021 6 41:0	5 200701088@rajalakshmi	. 200701088	Indrajith S	CSE	200701086@rejaiakshmi	7358174434	
12/13/2021 8:36:2	4 200701127@rajalakshmi	200701127	Kiran vs	CSE	200701127@rajalakshmi	8072972191	
12/13/2021 21:47 4	5 201001043@rajalakshm	201001043	Keshan S	IT	201001043@rajalakshmi	8015911557	
12/15/2021 5:51 1	1 201001029@rajalakshmi	201001029	Harshitha. K	IT	201001029@majalakshmi	9566873285	
12/15/2021 5 51 1	9 200701241@rajalakshmi	200701241	Shuab Khan	CSE	200701241@rajatakshmi	9499059590	
12/15/2021 5:51 2	1 200701077@rajalakshm	200701077	Hanibala	CSE	200701077@rajalakshmi	8610009223	
12/15/2021 5:51:2	4 200701025@rajalakshmi	200701025	Anilha Pai	CSE	200701025@rajalekshmi	9640024705	
12/15/2021 5:51:4	1 200701070@rajalakshm	200701070	Eashaan Manohar	CSE	200701070@rajalakshmi	9176602002	
12/15/2021 5:51 5	0 200701127@rajalakshmi	200701127	Kiran vs	CSE	200701127@rajalakshmi	8072972191	
12/15/2021 5:51:5	3 201001053@rajalakshmi	201001053	H, Mahaan mithrar	IT	201001053@rajalakshmi	9789924443	
12/15/2021 5:51:5	3 200701256@rajalakshmi	200701256	Subathra V	CSE	200701256@rajalakshmi	6380519922	
12/15/2021 5:51:5	5 201001089@rayalakshmi	201001089	Roshni Kobula R	π	201001089@mjalakshmi	9695562690	
12/15/2021 5:52.0	3 200701223@rajelakshmi	200701223	Saran J U	CSE	200701223@rajalakshmi	9962027673	
12/15/2021 5:52:0	3 200701180@rajalakshmi.	200701180	K PRITIKA	CSE	200701180@rajalakshmi.	- 9841398756	
12/15/2021 5:52:1	6 200701122@rajalakshmi,	200701122	Keerthana E	CSE	200701122@rajalakshmi.	6380784089	
12/15/2021 5 52:2	6 200701301@rajalakshmi	200701301	YOGESH S V	CSE	200701301@rajalakshmi	8610846819	
12/15/2021 5:52:5	2 200701155@mjalakshmi	200701155	Muslafa Abdullahbhei Kh	CSE	200701155@rajalakshmi	9962338185	
12/15/2021 5:52:5	2 200701196@rajalakshmi,	200701196	Rhikshtha K	CSE	200701198@rajalakshmi.	8754495662	
12/15/2021 5:52:5	2 200701309@rajalakshmi,	200701309	llakia S R	CSE	200701309@rayalakshmi.	8825440091	
12/15/2021 5:53 0	2 200701152@majalakshmi.	200701152	Monisha R	CSE	200701152@rajalakshmi.	7200811559	
12/15/2021 5 53:1	201001034@rajalakshmi	201001034	JANAKI M	п	201001034@rajalakshmi	9171881230	
12/15/2021 5:53:1	1 200701267@rajalakshmi	200701267	SURIYA PRAKASH U	CSE	200701267@rajalakshmi	9381004087	
12/15/2021 5:53:1	200701157@rajalakshmi	200701157	NARESH G	CSE	200701157@rajalakshmi.	8667738371	
12/15/2021 5:53:4	2 200701259@rajalakshmi	200701259	subhiksha p s	CSE	200701259@rajalakshmi.	9600141970	
12/15/2021 5:53:4	9 200701015@rajalakshmi	200701015	AKILESH K R	CSE	200701015@rajalakshmi.	8925667398	
12/15/2021 5:54:1	200701136@rajalakshmi.	200701136	Madhuvarshini N.A	CSE	200701136@rejalakshmi.	9677202205	
12/15/2021 5:54:14	l 201001125@rajalakshmi.	201001125	Byuvaranaj	п	201001125@rajalakshmi.	9629808787	
12/15/2021 5:54:2	2 200701154@rajalekshmi.	200701154	MUQADDAM AAQIL SHE	CSE	200701154@rajalakshmi.	9941199910	
12/15/2021 5:54:2	2 200701280@rajalakshmi	200701280	Varshini V	CSE	200701280@rajalakshmi.	8610443133	
12/15/2021 5:54:4	201001043@rajalakshmi.	201001043	keshan s	π	201001043@rajalakshmi.	8015911557	
12/15/2021 5:54:44	200701041@rajalakshmi	200701041	Benjamin George Varghe	CSE	200701041@rajalakshmi.	7358248100	
12/15/2021 5:56:2	200701058@rajalakshmi.	200701058	Deepakraj K	CSE	200701058@rajalakshmi.	9344695977	
12/15/2021 5:56:2	201001047@rajalakshmi.	201001047	Lavanya K	π	201001047@rajalakshmi.	9994548699	
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12/15/2021 5:59:20	200701281@rayalakshmi.	200701281	Varshnee LD	CSE	200701281@rayalakshmi	9080456075	
12/15/2021 5:59:48	200701067@rajalakshm	200701067	Dhivya S	CSE	200701067@rajalakshmi.	8072632368	
12/15/2021 6:00:07	201001122@rajelakshmi.	201001122	VISVESH B	π	201001122@rajalakshmi.	9600014485	
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HCL –DIGITAL MARKETING - 22 Nov 2021 to 24 Dec 2021



HCL –DIGITAL MARKETING - 22 Nov 2021 to 24 Dec 2021



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Maveen I Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennal - 602 105.





## Session Feedback

FEEDB	ACK FORM				
Roll No: 200701309					
Program, HCL BUNSHING CERTIFICATION Date: 24 DEC 2021 Department: CSE Please tick() the appropriate score against each question	Venu <b>e</b> .				
Questionnaire	Below Average	Average	Fair	Good	Very Good
Length and pace of the program				V	
Quality and coverage of the course materials provided			V		4
Extent to which this course helped you in understanding the subject with respect to industry requirements					
Overall Effectiveness of the training session			V		
Audio - Visual arrangements and other facilities at the venue				1	
Your contact details(Optional)					
Name: TLAKIYA					
Contact Number					
Thanks for your active participation.					

FEEDBAC	K FORM				
Roll No. 200701301 Program: fill Surstime Centification Date: 200002021 Department: 0000 Please tick() the appropriate score against each question	Venue				
Questionnaire	Below Average	Average	Fair	Good	Ve Go
Length and pace of the program			-	V	-
Quality and coverage of the course materials provided	44				-
Extent to which this course helped you in understanding the subject with respect to industry requirements			1.1		1
Overall Effectiveness of the training session			V	•	+
Audio - Visual arrangements and other facilities at the venue	-	L	1	L	
Your contact details(Optional)					
Name:					
Contact Number					
Thanks for your active participation.			-		

Director - Training Placement Director - Training Placement Rajatexshmi Engineering College Rajatexshmi Engineering - 602 105. Thandalam, Chennol - 602 105.

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FEEDBAC	K FORM				
Roll No: 200701280 Program ELCL SUNSHINE CERTIFICATION Date: 24 Dec 2004 Department: CSC Please tick 1 the appropriate score against each question	Venue:		a		
Questionnaire	Below Average	Average	Fair	Good	Very Good
Length and pace of the program			/		
Quality and coverage of the course materials provided	1			1	
Extent to which this course helped you in understanding the subject with respect to industry requirements					/
Overall Effectiveness of the training session				1	
Audio - Visual arrangements and other facilities at the venue				1	
Your contact details(Optional) Name: ヽ/ & ヾらんい) Contact Number Thanks for your active participation.					

FEEDBACK FORM								
Roll No: 201001040 Program: Hill SURVEHINE CERTIFICATION Date: 26 DEC 2021 Department: IT. Please tick() the appropriate score against each question	Venue: I			17				
Questionnaire	Average	Average	Fair	Good	Very Good			
	100				-			
Length and pace of the program Quality and coverage of the course materials provided				~	-			
Extent to which this course helped you in understanding the subject with respect to industry requirements					-			
Overall Effectiveness of the training session				-				
Audio - Visual arrangements and other facilities at the venue	· ]				1			
Your contact details(Optional)								
Name KORDON- KIL								
Contact Number								
Thanks for your active participation.					-			

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Director - Training Placement Rajalakshmi Engineering College Theodalam, Chennal - 602 105.





**RAJALAKSHMI** ENGINEERING COLLEGE

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FEEDBAC	K FORM				
Roll No: 20100113 Program: HCL SUNGHINE CERTIFICATION Date: 24 DEC 2021 Department: IT Please tick() the appropriate score against each question	Venue:				
Questionnaire	Below Average	Average	Fair	Good	Very Good
Length and pace of the program			1		~
Quality and coverage of the course materials provided	4. 1				L
Extent to which this course helped you in understanding the subject with respect to industry requirements	•			4	
Overall Effectiveness of the training session			V		
Audio - Visual arrangements and other facilities at the venue			L	V	1
Your contact details(Optional) Name: Contact Number Thanks for your active participation.					

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Director - Training Placement Rajalakshmi Engineering College Thendalam, Chennal - 602 105.

	Rajalakshmi Engineering Coll	lege, Che	ennai -	602 1	.05	
	Training and Placeme	ent Depa	rtment			
	Event Name: HCL Sunsh	ine Cert	ificatio	n		
	Summary on F	eedback				
	22.11.2021 to 24	4.12.2021				
	Total Strengt	th - 60				
Q. No.	Questionnaire	Very Good	Good	Fair	Average	Below Average
Q1	Length and pace of the program	35	21	4	0	0
Q2	Quality and coverage of the course materials provided	30	24	5	1	0
Q3	Extent to which this course helped you in understanding the subject with respect to industry requirements	35	20	4	1	0
Q4	Overall effectiveness of the training sessions	35	21	4	0	0
Q5	Audio-visual arrangements and other facilities at the venue	36	19	4	1	0







#### **Event Report – HCL SUNSHINE CERTIFICATION**

AICTE signed an MoU with HCL Software with the objective to spread the knowledge across AICTE affiliated colleges on niche skills technologies among student's communities to prepare them industry-ready.

HCL has designed the courseware for the second year i.e. 2021-22 for the duration of 60 hours within a span of 6 to 8 weeks. This program is launched in the first week of September 2021 and considered as a specialization in the areas of Cybersecurity, Testing Automation, Endpoint Management, DevOps, Digital Marketing and Cloud-Native Database.

The course highlights are

- Self-learning Online Courses
- Activity based Interactive learning
- Knowledge check through online QUIZZES
- Real time practical exposure to the leading industry

HCL Software started the SUNSHINE program with limited colleges as a pilot project and successfully completed one year with the following achievement for the year 2020.And one among the selected college for this pilot was Rajalakshmi Engineering College. The students of CSE/IT participated in this event.

Students were introduced to Digital marketing, Marketing Life Cycle and Understanding Customer Journey, Understanding marketing automation tool UNICA. To evaluate they are also given Mini projects.

#### **Course Outcome**

Digital Marketing program helped the students to gain Skills required for Industry, Knowledge on how things move in Industry, Fair idea on the roles and responsibilities for Campaign Development, Execution, Testing and Delivery Channels.

J. W. rempos

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105



DIRECTOR TRAINING AND PLACEMENT Philip Praveen I Director - Training Placement Rajalakshmi Engineering C Thandalam, Chennai - 60



## **Ergonomics Webinar**

CL No.	Defaile
SI. No.	Details
1	<b>Communication Mail</b>
2	Attendance
3	Trainers Profile
4	Photographs
	Filotographs
5	Event Report

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Philip Praveen I Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennal - 602 105.



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PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105





#### RAJALAKSHMI ENGINEERING COLLEGE RAJALAKSHMI NAGAR, THANDALAM CHENNAI-602105

**EVENT PERMISSION SHEET** - Ergonomics Webinar

TITLE: Ergonomics Webinar

CONDUCTED BY: Mr. Arun Kumar S, Specialist- ESHS, TCS.

DATES: 23.12.2021

TARGETAUDIENCE: Third Years -CSE /IT /EEE/ECE/CSBS

**Topics covered:** 

Elements of ergonomics

## **NEED FOR THE PROGRAM:**

Elaborate on how students can create a better study environment by following ergonomically correct postures and doing periodic stretches or exercises

J. U. Muyon

PRINCIPAL

DIRECTOR

### TRAINING AND PLACEMENT

Philip Praveen I Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 502 105.

PRINCIPAL RAJALAKSHMI ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION THANDALAM, CHENNAI - 602 105



Placement REC <placement@rajalakshmi.edu.in>



#### TCS -ERGONOMICS - WEBINAR -23 December 2021 1 message

## Placement REC (Rajalakshmi Engineering

21 December 2021 at 04:11

college) <placement@rajalakshmi.edu.in> To: Hod Computer Science and Engineering <hod.cse@rajalakshmi.edu.in>, HOD Electrical and Electronics Engineering <hod.eee@rajalakshmi.edu.in>, Hod Electronics and Communication Engineering <hod.ece@rajalakshmi.edu.in>, HOD Information Technology <hod.it@rajalakshmi.edu.in>, HOD CSBS <hod.csbs@rajalakshmi.edu.in> Cc: Philip Praveen I < philippraveen.i@rajalakshmi.edu.in>, Vinod Kumar S <vinodkumar.s@rajalakshmi.edu.in>, Charulatha BS <charulatha.bs@rajalakshmi.edu.in>, Baghavathi Priya S <baghavathipriya.s@rajalakshmi.edu.in>, "Dr. V. Geetha Priya" <geethapriya.v@rajalakshmi.edu.in>

Dear Sir/Madam

TCS is will be delivering the below Students Workshop on 23 December 2021 at Main Seminar hall by 10.00 am . We request to send all the students to the Main Seminar hall by 9.45 am. Find attached the list of students and the profile of the speaker for your perusal.

#### About the session on Ergonomics:

We, TCS Environmental Sustainability Health & Safety (ESHS) team would be presenting a brief content on ergonomics. Ergonomics is the science of fitting a job to the worker & trying to optimize the interaction between the workstation (components while using a computer) and the worker (which is each of us using or working/ studying on the computer) to remove incompatibilities between the two.

We would bring out elements of ergonomics and provide students with guidance on correct postures to be adopted while using the computer which can enable their study area more comfortable. We will also stress upon how students can create a better study environment by following ergonomically correct postures and doing periodic stretches or exercises.

Regards Philip Praveen. I **Director - Training & Placement** Rajalakshmi Institutions Chennai 9381436664 044-67181015

Philip Praveen I Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.







#### Resource person : S Arun Kumaar

#### Specialist - Environmental Sustainability, Health and Safety (ESHS)

Chennai Branch

#### **Experience:**

Around 9 of total experience

Currently working in TCS as Specialist - Environmental Sustainability, Health and Safety (ESHS) for 3 years.

5 years 7 months experience in Larsen & Toubro (L&T) Construction, as Assistant Manager in Environment Health and Safety.

#### **Roles and responsibilities:**

Specialist - Environmental Sustainability, Health and Safety (ESHS)

Educational Qualification:

Excel college of Engineering and Technology: M.E Industrial Safety Engineering by Anna University, 2020.

Devi Mahalakshmi College: Advanced Diploma in Industrial safety by Maharashtra state board of technical education, 2015.

PARK college of Engineering and Technology: Bachelors (B.E) Mechanical Engineering by Anna University, 2012.

# Completed NEBOSH (National Examination board in occupational health and Safety) UK in credit level, 2016.

Hobbies- personal interests Social activities, Spending time with family and friends

Director - Training Placement Rajalekshmi Engineering College Thandalam, Chennai - 602 105.



LIST OF PARTICIPANTS- Ergonomics Webinar					
Sl No	Register Number	Name of the student	Department		
1	191401006	Charann A	CSBS		
2	191401010	Harish.S	CSBS		
3	191401019	Mohammed fahad	CSBS		
4	191401005	Charan Alagappan.V	CSBS		
5	191401015	Kevin S	CSBS		
6	191401031	Smriti S	CSBS		
7	191401035	Surendhar R	CSBS		
8	191401024	Raja Arvindan R	CSBS		
9	191401039	Tanuj V	CSBS		
10	191401034	Sudhire Rahul K	CSBS		
11	191401012	kaarthikeyan G M	CSBS		
12	191401027	Sanjay A K	CSBS		
13	191401009	Harish kumar B	CSBS		
14	191401017	Magesh R	CSBS		
15	191401047	Yuvan RK	CSBS		
16	191401038	Swethaa	CSBS		
17	191401032	Sreeram Aravind S	CSBS		
18	191401043	Varun CN	CSBS		
19	191401046	vishvasena Dhayalan	CSBS		
20	190701166	ROHIT M	CSE		
21	190701175	Sachit R	CSE		
22	190701164	Riyazuddin R	CSE		
23	190701186	Sanjeev Krishnan.R	CSE		
24	190701203	SHRIJEETH S	CSE		
25	190701196	shahul hameed P T S	CSE		
26	190701205	SIDHARTH RAJ M	CSE		
27	190701184	Sangeetha P	CSE		
28	190701167	Rokhini Priya KS	CSE		
29	190701192	SARVESHWARAN V P	CSE		
30	190701204	Shwetha M	CSE		
31	190701177	SAIHARIHARAN V	CSE		
32	190701206	Sneha K S	CSE		
33	190704649	Rakesh	CSE		
34	190701172	Sabarish Abishek W R	CSE		

CSE Philip Praveen I Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.

701200         701163         701012         701012         701044         701064         701025         700187         701017         701042         701043         701042         701066         701006         701006         701090         701091         701023         701090         701091         701023         701090         701091         701127         701128         701113         701113         701115         701115         701117         701150         701151         701144	sharveshwaran R Rithesh S Akhila Vignesh Dinesh S.p Harish S Avinesh J KARTHICK SRIRAM M Ananthi S Dharshini S Dharshini S Anagha Nambiar Aruna S Abuthahir A Kaushik A KAVIRAKESH S Nesigan M L Naveen Kumar M Mithul Krishna B S Pradeeshwaran.P Nithish Kumar N Parthiban M Mohan sai PK Mudunuri Sai Krishnam	CSE CSE CSE CSE CSE CSE CSE CSE CSE CSE
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	Praseetha P	CSE
01130	Nivetha B	CSE
01131	paavai MV	CSE
01120	Nandita Sajeev	CSE
01059	B.Padma Priya	IT
01071	S.B.Priyadharshini	IT
01094	T.Sneha	IT
01095	S.Sreevarshini	IT
01110	M. Yamini	IT
01088	M.Sharmila	IT
01070	R.Preethi	IT
01057	K.P.Nithyashree	IT
01106	Thangatamizharasu.SV	IT
01112	Vignesh K	IT
01079	Sanjay Kumar R	IT
01080	Sanjay Raja.M	IT
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79	191001005	Aishuwarya. R. R	IT
80	191001006	AJAY.A	IT
81	191001016	M.V. Bharathwaj	IT
82	191001025	JAYA SURIYA.E	IT
83	191001028	KAAVYA P	IT
84	191001040	lesha s	IT
85	191001043	MAGESH.G	IT
86	191001044	Manishankar.S	IT
87	191001045	Manoj R	IT
88	191001047	Megha v	IT
89	191001051	G.naveen kumar	IT
90	191001052	Naveen N	IT
91	191001053	NAVEEN U	IT
92	191001055	Niranjan.B	IT
93	191001056	Nithyanantham.V	IT
94	190701210	B.Sriramakrishnan	CSE
95	190701209	Sriram TK	CSE
96	190701235	Varun .N	CSE
97	190701251	Vishal V	CSE
98	190701261	Monish G	CSE
99	190701257	Yugant S	CSE
100	190701507	Shaikh Firaas A	CSE
101	190701268	Hariharan B	CSE
102	190701258	Zafar Sadik HD	CSE
103	190701211	Srisai R	CSE
104	190701219	Sundarajan S	CSE
105	190701226	Sweta S	CSE
106	190701218	Sujitha R	CSE
107	190701223	Surya V	CSE
108	190701216	Sujan G	CSE
109	190701242	Vijay A	CSE
110	190701243	Vijay Adithya R S	CSE
111	190701240	Venkatesan R S	CSE
112	190701247	Vimal S Dev	CSE
113	190801002	Abdur rahman A	ECE
114	190801016	Ashwin Balaji B	ECE
115	190801021	Bathri	ECE
116	190801005	Afrin Shehnaz.R	ECE
117	190801044	Gayathri .g	ECE
118	190801010	Anindita v	ECE
119	190801030	deepika .s	ECE
120	190801025	charavanan	ECE
21	190801006	Ajith shivam.AL.A	ECE
122	190801050	gokulnath.a	. ECE

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123	190801007	akash. m	ECE
124	190801042	Ezhil	ECE
125	190801033	Dev adhithya	ECE
126	190801029	Deepak Kumar S	ECE
127	190801020	Balasubramaniam CS	ECE
128	190801034	Danish S	ECE
129	190801174	Suneeta	ECE
130	190801040	Divya V	ECE
131	190801043	Ganesh Kumar R	ECE
132	190801032	deepikaveni	ECE
133	190801091	Kishore P	ECE
134	190801053	Gowthamkumar.S	ECE
135	190801054	Haakash . I	ECE
136	190801085	kaviyaraj.c	ECE
137	190801057	Hari. s	ECE
138	190801074	kamesh p	ECE
139	190801097	Mathan raj.j	ECE
140	190801079	karthik Vignesh S	ECE
141	190801081	Karthikeyan H	ECE
142	190801060	Harini T	ECE
143	190801102	Nandhitha P	ECE
144	190801084	kaviya G	ECE
145	190801094	lakshmiviyamesh.r	ECE
146	190801095	lalitha prabha.pn	ECE
147	190801090	Kishore.b	ECE
148	190801069	Jayapreethi.T	ECE
149	190801096	Lavanya S	ECE
150	190801080	Karthikeyan A	ECE
151	190801073	kamesh Kumar K	ECE
152	190801062	Harish.T	ECE
153	190801197	A.Visali	ECE
154	190801140	M.Saifudeen	ECE
155	190801116	R.Pramod	ECE
156	190801122	A.Preetha	ECE
157	190801146	M.Sanjana	ECE
158	190801123	V.Priya	ECE
159	190801150	M.P.Santhya	ECE
160	190801143	T.R.Sanandha shree	ECE
161	190801121	D.P.preejith	ECE
162	190801105	Naveen P	ECE
63	190801126	raghul .c	ECE
64	190801139	B.Sai aravindh	ECE
65	190801118	Prasanna Srinivas R	ECE
66	190801135	RAYA ROHITH YADAV	ECE

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167	190801142	Sakthivel	ECE
168	190801129	rahul s	ECE
169	190801131	Ram Prakash Rahul S	ECE
170	190801137	H. Sadiq basha	ECE
171	190801132	Rasswanth s	ECE
172	190801128	Raghul.S	ECE
173	190901007	AJEETH VS	EEE
174	190901027	BHANU SAI ANJANEE KUMAR	EEE
175	190901055	MANIKANDAN G	EEE
176	190901011	AMUDHAN V	EEE
177	190901031	DEENADHAYALAN S	EEE
178	190901034	DIWAKAR DINESH S	EEE
179	190901033	DHANUSH V	EEE
180	190901016	ARUN SAJETH E	EEE
181	190901046	HARSHINI K	EEE
182	190901010	AKSHAYA G	EEE
183	190901001	AARTHI A	EEE
184	190901041	GURUPRAKASH S	EEE
185	190901047	JANANI S	EEE
186	190901048	JANANI P	EEE
187	190901032	DHAMOTHARAN S	EEE
188	190901063	NAVEEN ANANTH R	EEE
189	190901067	NITHISH Kumar S	EEE
190	190901077	SAI HARISH	EEE
191	190901086	SARATH KUMAR A	EEE
192	190901091	SRIKANTH D	EEE
193	190901097	SOWMIYA	EEE
194	190901103	SUBHIKSHA A M	EEE
195	190901107	TAMILSELVAN K	EEE
196	190901112	VIGNESH SURESH	EEE
197	190901114	VIKRAM SIDDHARTH V	EEE
198	190901116	VISHAAL G	EEE
199	190801036	DHAYANIDHI SRINIVASAN	ECE
200	190901118	YAMINI PRIYANGA R	EEE
201	190901503	SUHASH P	EEE

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## **SESSION PHOTOGRAPHS – TCS ERGOMETRY – 2021 WEBINAR**



The Mr. Arunkumar spoke on the out elements of ergonomics to provide students with guidance on correct postures to be adopted while using the computer



Students were well explained on this discomforts in taking lengthy hours of stay before the system and how to make themselves comfortable ergonomically.

Philip Praveen I

Director - Training Placement Rajalakshmi Engineering College Thandalam, Chennai - 602 105.



	ACK FORM				
Roll No. [90801042 Program Eligenonius Webin an Date 312ECE Department ECE Hease tick 1 the appropriate score against each question	Venue. N	1 due d	luita	n hall	
Questionnaire	Below				Very
	Average	Average	Fair	Good	Good
Length and pace of the program				15	
Quality and coverage of the source materials provided	÷			1-	
Extent to which this course helped you in understanding the subject with respect to industry requirements				1	
Overall Effectiveness of the training session			1		17
Audio - Visual arrangements and other facilities at the venue			1		1-2-
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FEEDBACK FORM BATCH ROLLNO' 191001080 Date 23.12.21 Wehinan venue: Main Dening hall Department IT Please tick( ) the appropriate score against each question Below Very Questionnaire Average Average Fair Good Good Length and pace of the program Quality and coverage of the course materials provided Extent to which this course helped you in understanding the subject with respect to industry requirements 1 Overall Effectiveness of the training session Audio - Visual arrangements and other facilities at the venue Your contact details(Optional) Name: Davy cry Raja, M momatin , Thanks for your active participation

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Philip Praveen I Director : Training Processor Rajatakanmi Engineering Thandalam, Ehennai

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	Training and Placeme	nt Depa	rtment			
	Event Name: Ergono	mics we	binar			
	Summary on F	eedback	1			
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Q. No.	Questionnaire	Very Good	Good	Fair	Average	Below Average
Q1	Length and pace of the program	104	91	6	0	0
Q2	Quality and coverage of the course materials provided	103	90	7	1	0
Q3	Extent to which this course helped you in understanding the subject with respect to industry requirements	101	95	4	1	0
Q4	Overall effectiveness of the training sessions	95	102	2	2	0
Q5	Audio-visual arrangements and other facilities at the venue	121	75	2	3	0





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## **EVENT REPORT – Ergonomics Webinar**

TCS Environmental Sustainability Health & Safety (ESHS) team presented a brief content on ergonomics on 23 December 2021 and 201 students participated in the webinar. Ergonomics is the science of fitting a job to the worker & tries to optimize the interaction between the workstation (components while using a computer) and the worker (which is each of us using or working/ studying on the computer) to remove incompatibilities between the two.

The speaker spoke on the out elements of ergonomics to provide students with guidance on correct postures to be adopted while using the computer which can enable their study area more comfortable. Students were advised on how they can create better study environment.

"Learning is supposed to feel uncomfortable." This is often a phrase educators use to acknowledge how learning new content can feel difficult and onerous, but that is okay – this discomfort encourages students to take risks and show courage in their learning. As a result, people often suffer from a number of chronic pains, including:

- Back pain
- Poor flexibility
- Shoulder tension
- Poor digestion
- Eye strain
- · Headaches and migraines

All the above factors were taken into consideration and the speaker explained ergonomically correct postures and doing periodic stretches or exercises.

J.L. Mus

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