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<td>BROCHURE REPORT</td>
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<td>2017-2018</td>
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<td>2018-2019</td>
<td>FACULTY DEVELOPMENT TRAINING PROGRAM ON BM6701: PATTERN RECOGNITION AND NEURAL NETWORKS.</td>
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<td>2019-2020</td>
<td>SELF CARE FOR EDUCATORS</td>
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<td>2019-2020</td>
<td>FACULTY UPSKILLING PROGRAM: HANDS ON TRAINING IN LABVIEW</td>
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<td>2019-2020</td>
<td>TRAINING ON MICROBIAL BIOFILMS AND ITS CLINICAL RELEVANCE-TEACHING FACULTY</td>
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<td>2020-2021</td>
<td>TRAINING ON NCBI GENE SEQUENCING ANALYSIS-TEACHING FACULTY</td>
<td>BROCHURE REPORT</td>
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<td>2021-2022</td>
<td>COVID-19 AND ITS IMPACT ON WORLD ECONOMY</td>
<td>BROCHURE REPORT</td>
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Faculty Development Program

Principles of Management

Organized by
Department of Aeronautical Engineering

ON: 25/10/2017
from: 10am to 1pm
venue: Heritage Hall

Aashish Sartape
Asistant.professor
Permission letter

Date: 12.10.2017
Place: Chennai

From
Dr. Yogesh Kumar Sinha
Professor and Head of Department
Department of Aeronautical Engineering
Rajalakshmi engineering college, Thandalam
Chennai – 602105

To
The Principal
Rajalakshmi Engineering College
Thandalam
Chennai – 602105

Dear Sir / Madam

Sub – Requisition to conduct FDP for teaching Staff- “Principles of Management”

We have planned to conduct the One Day Faculty Development Program titled Principles of Management for Aeronautical Engineering teaching staff on 25/10/2017. I believe this will be a very informative session and helpful to enhance their knowledge. All the necessary things like the catering service will be arranged separately by us. I hope to hear this event has been approved soon. Thank you very much for your time and consideration of my request.

Facility Requirement

1. Heritage Hall for induction program
2. Refreshment for Resource Persons
3. Memento

Signature 12/10/17

Permission

[Stamp]
Ashish Sartape (NT)

At the age of 23 I passed NET and SET exam and I also got JRF from UGC for my research. I believe in practical learning and trying to achieve learning objectives of students. I believe on if you invest your own time my responsibility to convert that investment in good return (Good Score, Pass Exam etc.) I taught Higher secondary to Ph.D level student and also took sessions related to various subject such as economics management account statistics marketing business administration B.Com BBA MBA Ph.D BBM M.Com as well as some competitive exams

HOD / AERO

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
Rajalakshmi Engineering College  
Department of Aeronautical Engineering  
Seminar on “Principles of management”  
(25/10/2017)

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<td>Dr. Yogesh Kumar Saha</td>
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<td>Deepak R</td>
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<td>Balakrishna P</td>
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<td>5</td>
<td>Sreenadh Chandra Chand</td>
<td>AP, (Sr) Am</td>
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<td>Jackson R</td>
<td>Aero, AP</td>
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<td>Ezhilmaran G</td>
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<td>9</td>
<td>Suresh Babu A</td>
<td>AP (Sr) Am</td>
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<td>Suseeth Rathi D</td>
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<td>Mr. N. Girish Babu</td>
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<td>C. Dhandapani</td>
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<td>Mr. G. Sivasubbar</td>
<td>AP, Mech</td>
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<td>Mr. M. Ashin</td>
<td>AP, Mech</td>
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<td>15</td>
<td>Mr. P. Maheshkaran</td>
<td>AP, Mech</td>
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<td>Mr. A. Eswaran</td>
<td>AP, Mech</td>
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<td>17</td>
<td>Mr. K. Arulbabu</td>
<td>AP, Mech</td>
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<td>18</td>
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<td>AP, Mech</td>
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HOD Aeronautical Department
DEPARTMENT OF AERONAUTICAL ENGINEERING

Closure Report for Faculty Development Programme on "Principles of Management"

(25/10/2017)

- Faculty Development Programme is conducted by the Department of Aeronautical Engineering in association with Aeronautical society of India, Chennai Branch

  Total number of participants – Teaching Faculty members – 18

- The program has started with prayer song and followed by welcome address by the Head of the Department, Dept of Aeronautical Engineering. The speaker has delivered an inspiring keynote speech to the participants before announcing the workshop to commence.

- The speaker started the lecture on the importance of a healthy and interactive classes and the session went on for a while.

- It was very much helpful for the teaching faculty from various department

- The members given feedback at the end of the lecture. They were very happy that confidence level of them is increased.

- After the feedback session, certificates were distributed to all participants The program has been completed with national anthem.

PROGRAM SCHEDULE

10.00 – 10.15 am : Registration

10.15– 10.30 am : Inaugural Function - Prayer Song, Welcome address by HoD (Aero).

10.30 – 12.30 pm : Guest talk and workshop by Mr. Aashish Sartape on “Principles of Management”.

12.30 – 1.00 pm : Valedictory Function - Feedback collection, Certificate distribution and Vote of thanks.

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

HOD AERO DEPARTMENT
DEPARTMENT OF BIOMEDICAL ENGINEERING

FACULTY ENHANCEMENT TRAINING PROGRAM:
RECENT TRENDS ON TEACHING METHODOLOGY

COURSE CONTENT

- Motivational techniques
- Teaching Strategies to facilitate active learning
- Instructional planning and Evaluation methods
- Outcome based education
- Constructivist Approach
- Professional ethics and Classroom Communication
- e-Learning, Blended learning and Flipped Learning Techniques
- Role of ICT and Use of Technologies in teaching and learning
- Preparing and using animations in teaching
- Traits of an effective teacher
- New Pedagogical approaches in Higher Education
- Issues and Challenges in Higher Education
- Strategies for enhancing enrolment in Higher Education
- Best Practices in learner-centered teaching
- Gender Issues in Higher Education
- Research Opportunities for in Higher Education

Venue: Biomedical Instrumentation Lab (academic block)

Date: 28.12.2017

Time: 9:00am-2:30pm

Guest of the day:

Dr. V. Sampathkumar

Dean Research at Christ College of Engineering, Kerala.

BROADEN THE VISION

DEEPEN THE ROOTS

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
TIRUNELVELI, TAMIL NADU, INDIA
RAJALAKSHMI ENGINEERING COLLEGE
THANDALAM, CHENNAI 602105
DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 26.12.2017

SUBMITTED TO THE VICE-CHAIRMAN

DEAR SIR,

SUB: Permission to conduct Faculty enhancement training Programme on Recent Trends in Teaching Methodology-reg.

The Department of Biomedical Engineering is planning to conduct a faculty enhancement training Programme on Recent Trends in Teaching Methodology on 28 December 2017. The objective of the programme is to provide training on Recent Trends in Teaching Methodology. It helps the faculty members to effectively guide students and also for reviewing the work done by research scholars and students.

The maximum number of participants was restricted to 25. No registration fee for participants. Participation certificate to be provided to the participants.

I request your permission to conduct the program in our institution.

Thanking you,

[Signature]
HoD

[Principal's Signature]
Rajalakshmi Engineering College, Chennai

Department of BME

**FACULTY ENHANCEMENT TRAINING PROGRAM:**
**RECENT TRENDS ON TEACHING METHODOLOGY**

28.12.2017

List of participants

<table>
<thead>
<tr>
<th>S.No</th>
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<tbody>
<tr>
<td>1.</td>
<td>Dr.KALPANA R</td>
<td>PROFESSOR</td>
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<td>ASST PROFESSOR</td>
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<td>ASST PROFESSOR</td>
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<td>Mr.THIYAGARAJAN G</td>
<td>ASST PROFESSOR</td>
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<td>Ms.SHANTHI PRIYA A</td>
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<td>Ms.SUDHA S</td>
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<td>20.</td>
<td>Ms.VASANTHARANI R</td>
<td>ASST PROFESSOR</td>
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<td>21.</td>
<td>Mr. PREM KUMAR R</td>
<td>ASSOCIATE PROFESSOR</td>
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</table>
Rajalakshmi Engineering College, Chennai

Department of BME

28.12.2017

REPORT

on

FACULTY ENHANCEMENT TRAINING PROGRAM:
RECENT TRENDS ON TEACHING METHODOLOGY

Objectives of the program

- to enable the Faculty of Higher Education to learn new teaching techniques
- to empower the faculty with innovative teaching competencies
- skills and attitudes and to sensitize the faculties towards issues and challenges in Higher education.

The event started with a welcome address by Dr. Kalpana, Dean of Department of Biomedical Engineering. She highlighted the aims and objectives of the workshop and expressed confidence that the training sessions at the workshop will help the teachers to examine the teaching strategies in a critical manner and build a foundation for creative and interesting teaching—learning strategies. Totally 25 faculty members of department of biomedical engineering participated in the workshop. The Resource Person for the session was Dr. V. Sampathkumar, Dean Research at Christ College of Engineering, Kerala. The topic of the session was “Dynamics of Teaching”. Prof. Sampathkumar highlighted various aspects of inclusive teaching and the role of teacher as counsellor, communicator, collaborator and as role model. He dealt at length with the pyramid of teaching which highlighted Must, Should and Could of teaching and discussed the qualities of a creative teacher. He also analyzed the problems of teaching and the hierarchical patterns in all areas of education. The event was concluded with a Vote of Thanks from, Mr. P. Sridharan, Assistant professor, department of Biomedical Engineering. The workshop on teaching methodology was an enriching experience and enhanced the understanding of various teaching learning strategies and also innovative methods of teaching.
CERTIFICATE OF APPRECIATION

This certificate is presented to:

Mr. P. Sridharan, Assistant Professor

In recognition for a participation in "Faculty Enhancement Training Program on Recent Trends in Teaching Methodology" organized by Department of Biomedical Engineering, Rajalakshmi Engineering

Date: 28.12.2017

Principal

Signature of IOD
Objectives of the workshop:

The course shall provide basic of quantitative data management and analysis, a primary research skill. This workshop will help the participants to learn how to enter the data, convert the format of the data (data transformation) and how to get descriptive and inferential statistics using SPSS.

Outcome of Workshop:

This workshop will equip the participants to handle and manage the data and use the techniques within this package. They will be able to understand, interpret, analyse and produce characteristic patterns between different data variables. They will also learn to obtain output in tabular and graphical representations that can be used in a research report.

Who can attend:

Faculty, Research scholars & PG students.

Resource person:

Mr. S. Suresh, MBA, M.Phil, (PhD)
Assistant Professor, Department of MBA,
Rajalakshmi Engineering College, Chennai.

Venue: Biomedical Signal processing Lab (academic block)

Date: 23/05/2018

Time: 9:00 am - 3:00 pm
DEAR SIR,

SUB: Permission to conduct Hands-on Workshop on Using SPSS-reg.

The Department of Biomedical Engineering is planning to conduct a faculty enhancement training Hands-on Workshop on Using SPSS on 23 May 2018. The concepts of SPSS when understood with comprehensive practical application can enable one to use SPSS output regularly as a data analysis tool, to effectively summarize research findings, to enter, reorganize and integrate information. It helps the faculty members to effectively guide students and also for reviewing the work done by research scholars and students.

The maximum number of participants was restricted to 25. No registration fee for participants. Participation certificate to be provided to the participants.

I request your permission to conduct the program in our institution.

Thanking you,

HoD
# Hands-on Workshop on "Using SPSS"

23/05/2018

List of participants

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<td>Mrs. A. Nancy</td>
<td>Research Scholar</td>
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<td>Ms. M. Arulmozhi</td>
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Department of biomedical engineering had organized a one day workshop on SPSS Software for Faculty Members Department of biomedical engineering. The Workshop was organized on 23rd May 2018 from 9:00 AM to 3:00 PM. Mr.S.Suresh of MBA was resource person for the event. The details of the program are as follow.

Name of the Activity: Workshop on SPSS

Date & Time: 23/05/18, 9:00 AM to 3:00 PM

Venue of the Event: Biomedical Signal processing Lab (academic block)

Coordinator: Ms.E.Karuppathal, Assistant Professor

Chief Guest: Mr.S.Suresh, Assistant Professor, MBA

Introduction of guest: Dr. Kalpana, Dean Department of Biomedical Engineering

Vote of thanks: Mrs.S.Sudha, Assistant Professor, Department of Biomedical Engineering

Purpose & Objectives of the Workshop on SPSS

• To provide basic knowledge regarding SPSS software to the Faculty members.
• To provide training on how to perform important statistical calculations using SPSS software.
• To discuss different aspect of SPSS Software in research
• To promote research culture among Faculty.

Points discussed in the Workshop:

• Basics of SPSS Software
• Different aspect of SPSS Software in research
• Use of various functions in SPSS software to perform Data Analysis.
• Faculty doubts regarding the SPSS software were discussed and solved.
• Number of faculties Presented for the workshop: 21
CERTIFICATE
OF APPRECIATION

PRESENTED TO

Ms Sudha S

For your participation in one day workshop on "Faculty Hands-on Workshop on Using SPSS" Organized by Department of Biomedical Engineering, Rajalakshmi Engineering college, Chennai.

23/5/2018

SIGNATURE
OF HOD
CERTIFICATE OF APPRECIATION

PROUDLY PRESENTED TO

Ms Karuppathal E

For your participation in one day workshop on "Faculty Hands-on Workshop on Using SPSS" Organized by Department of Biomedical Engineering, Rajalakshmi Engineering college, Chennai.

23/5/2018

SIGNATURE OF HOD
Faculty Development Program

Excel Workshop

Organized by

Department of Aeronautical Engineering

ON: 25/08/2018
from: 10am to 1pm
venue: Heritage Hall

Arpit Kumar
Permission letter

Date: 16.08.2018
Place: Chennai

From
Dr. Yogesh Kumar Sinha
Professor and Head of Department
Department of Aeronautical Engineering
Rajalakshmi engineering college, Thandalam
Chennai – 602105

To
The Principal
Rajalakshmi Engineering College
Thandalam
Chennai – 602105

Dear Sir / Madam

Sub – Requisition to conduct FDP for teaching Staff- “Excel workshop”

We have planned to conduct the One Day Faculty Development Program titled Excel workshop for Aeronautical Engineering teaching staff on 25/08/2018. I believe this will be a very informative session and helpful to enhance their knowledge. All the necessary things like the catering service will be arranged separately by us. I hope to hear this event has been approved soon. Thank you very much for your time and consideration of my request.

Facility Requirement

1. Heritage Hall for induction program
2. Refreshment for Resource Persons
3. Memento
Aprit kumar (NT)

I am very good in account and advance excel and ms word i am teaching as per student convenient time and and i am trying to teach each of students basis level to expert level. A am currently working with an exporting company but my hobby is teaching so I am decided to teach students on part time i am working as an accountant with some additional responsibilities for me teaching is like enjoyment and i like to teach each and every student as an parents because I think student are our future.

HOD / AERO

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
Rajalakshmi Engineering College
Department of Aeronautical Engineering
Seminar on “Excel Workshop”
(25/08/2018)

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<tr>
<td>6</td>
<td>Mr. Senthil Ragalar</td>
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<td>Thangaraj S.K.</td>
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<td>20</td>
<td>M. S. Narasimhan</td>
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HOD Aeronautical Department
DEPARTMENT OF AERONAUTICAL ENGINEERING

Closure Report for Faculty Development Programme on
"Excel Workshop"
(25/08/2018)

- Faculty Development Programme is conducted by the Department of Aeronautical Engineering in association with Aeronautical society of India, Chennai Branch

  Total number of participants – Teaching Faculty members – 20

- The program has started with prayer song and followed by welcome address by the Head of the Department, Dept of Aeronautical Engineering. The speaker has delivered an inspiring keynote speech to the participants before announcing the workshop to commence.

- The speaker started the lecture on the importance of a healthy and interactive classes and the session went on for a while.

- It was very much helpful for the teaching faculty from various department

- The members given feedback at the end of the lecture. They were very happy that confidence level of them is increased.

- After the feedback session, certificates were distributed to all participants The program has been completed with national anthem.

PROGRAM SCHEDULE

10.00 – 10.15 am : Registration

10.15 – 10.30 am : Inaugural Function - Prayer Song, Welcome address by HoD (Aero).

10.30 – 12.40 pm : Guest talk and workshop by Mr. Arpit Kumar on "Excel Workshop"

12.40 – 01.00 pm : Valedictory Function - Feedback collection, Certificate distribution and Vote of thanks.

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

HOD AERO DEPARTMENT
ABOUT THE INSTITUTION

Rajalakshmi Engineering College is an Autonomous institution affiliated to Anna University, Chennai. The College is accredited by NAAC with "A" grade and with all the eligible programmes are accredited by NBA. The college has been growing from strength to strength in the last 20 years and moving ahead to become center of excellence in Engineering, Management Education, Research and development. The college is located in a serene atmosphere amidst many multinational companies in Thandalam, about 25 kms from Chennai on the National highway providing right industrial ambience for the budding engineers. The institution currently offers twelve Under Graduate and ten Post Graduate programmes and six research programs.

ABOUT THE DEPARTMENT

Biomedical Engineering is the application of Engineering concepts and techniques to the field of medicine. It combines the problem solving capabilities of engineers along with the medical expertise of physicians to enhance the quality of life through health care process. The department of Biomedical Engineering was started in the year 2006. It currently offers B.E programme in Biomedical Engineering, M.E programme in Medical Electronics affiliated to Anna University, Chennai. The department is also recognized as research centre of Anna University, Chennai.

Objective of the FDTP

The objective of this programme is to introduce the principles and standard procedures available in the area of Pattern recognition and neural networks to the participants. In the current scenario analysing medical images is useful in the aspect of better diagnosis. The use of artificial intelligence in these areas is possible with pattern recognition and neural network techniques. Participation in the programme will be helpful for the faculties in teaching the subject PATTERN RECOGNITION AND NEURAL NETWORKS (BM 6701) for the seventh semester B.E. Biomedical Engineering students.

About Registration:

- Number of seats restricted to 25 only.
- No registration fees.
- No TA/DA will be provided
- Selection on first come first served basis.
- Selected Candidates will be intimated by e-mail

You can send the scanned copy of duly filled in Registration forms to the Co-ordinator through e-mail hod.hme@rajalakshmi.edu.in on or before 28.05.2018.
FDTP on
Pattern recognition and Neural networks (BM 6701)
5TH–12TH JUNE, 2018

REGISTRATION FORM

1. Name :

2. Designation :

3. Qualification :

4. Age and Gender :

5. Professional Experience (in years)
   Teaching :
   Industry :

6. Did you attend this course earlier: Yes/ No

7. Address of the college / Institution:

8. Research Interest :

9. Mobile :

10. e-mail :

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the FDTP. If selected, I shall attend the programme for the entire duration.

Date :
Place :

Signature of the applicant

SPONSORSHIP

Dr./Mr./Ms./ ________________ is an employee of our college/institution. She/he will be permitted for the above FDTP if selected.

Signature of the Principal with Seal

For further details, contact

Dr. S. Rajkumar
Dr. M. C. Jobin Christ
Co-ordinators

FDTP on
Pattern recognition and Neural networks (BM 6701)

Department of Biomedical Engineering
RAJALASKHMI ENGINEERING COLLEGE
Thandalam
Chennai–602105.

Phone: 044-37181140
9842666844,
9381311206

Email: hod.hme@rajalakshmi.edu.in

ORGANISING COMMITTEE

CHIEF PATRON:
Dr. M. K. Surappa
Vice-Chancellor
Anna University, Chennai

PATRON:
Dr. S. Ganesan,
Registrar,
Anna University, Chennai

CHAIR:
Dr. K. Shanthi,
Director, CFD.

Dr. D. Sridharan,
Addl. Director, CFD

CO-CHAIR:
Dr. S. N. Murugesan,
Principal,
Rajalakshmi Engineering College

CO-ORDINATORS:
Dr. S. Rajkumar,
Professor and Head (BME)
Dr. M. C. Jobin Christ

Professor (BME)

VENUE: Seminar Hall

Important Dates:
Last date for Submission of application : 28.05.2018
Intimation of selection : 31.05.2018
Confirmation by participants : 02.06.2018
From
Dr. S. Rajkumar,
HOD / Department of Biomedical Engineering,
Rajalakshmi Engineering College,
Thandalam.

To
The Chairperson,
Rajalakshmi Engineering College,
Thandalam.

Respected Madam,

Sub: Requesting to grant permission to conduct seven days FDTP on PR&NN – Reg

In biomedical engineering field, Pattern Recognition & Neural network (PR&NN) is an important subject of interest and which is useful domain for analyzing images and Artificial intelligence in medical field. In the light of the above fact, we are planning to conduct a Seven days Faculty Development and Training Program (FDTP) on “Pattern recognition & Neural network” from 05.06.2018 to 12.06.2018 under the FDT programme of CFD, Anna University. Hence, I request you to grant us permission for conducting the Faculty Development Training Programme and also for the budget enclosed with this letter. If you give consent for this FDTP, we will upload the necessary details in the Anna University website.

Thanking you,

Yours Truly,

Dr. S. Rajkumar

Encl: Budget for the conduct of FDTP

[Signature]

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105
Department of Biomedical Engineering

Faculty Development Training Programme on "BM 6701: Pattern Recognition and neural networks"

PROPOSED BUDGET

Amount required conducting FDTP: Rs 25,000.00

Detailed budget

1. Contingencies including printing & posting of brochure : Rs. 1,000
2. FDTP kit (File folder, pen, note book) : Rs 1,000
3. Lunch Expenses (for External participants) : Rs. 5,000
4. Guest speaker travelling expenses : Rs. 5,000
5. Guest speaker remuneration : Rs. 12,000
6. Banner printing : Rs. 1,000

Total : Rs 25,000.00

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
<table>
<thead>
<tr>
<th>Session/Date</th>
<th>1 session 9.00 a.m – 10.30 a.m</th>
<th>II session 10.45 a.m – 12.15 p.m</th>
<th>III session 1.00 p.m – 2.30 p.m</th>
<th>IV session 2.45 p.m – 4.30 p.m</th>
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<tbody>
<tr>
<td><strong>05-06-18</strong></td>
<td>Inauguration of FDTTP</td>
<td>Introduction to neural networks and Pattern recognition, Dr. S. Rajkumar, Professor &amp; Head, Biomedical department, Rajalakshmi Engineering College.</td>
<td>Statistical decision making, Distribution functions in PR, Dr. B. Sivakumar, Professor, Department of Humanities and Science, Rajalakshmi Engineering College, Chennai.</td>
<td>Choosing a probability function for NN, Dr. B. Sivakumar, Professor, Department of Humanities and Science, Rajalakshmi Engineering College, Chennai.</td>
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<td><strong>06-06-18</strong></td>
<td>Pattern Recognition – Unsupervised Learning, clustering, Dr. Bagyaraj, Professor, Department of Biomedical Engineering, SSN College of Engineering, Chennai.</td>
<td>Data representations, distance measures, Clustering algorithm, Dr. Bagyaraj, Professor, Department of Biomedical Engineering, SSN College of Engineering, Chennai.</td>
<td>Partitional Clustering &amp; associated algorithms, Dr. R. Kalpana, Dean, Department of Biomedical Engineering, Rajalakshmi Engineering College</td>
<td>Partitional Clustering &amp; associated algorithms, Dr. R. Kalpana, Dean, Department of Biomedical Engineering, Rajalakshmi Engineering College</td>
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<tr>
<td><strong>07-06-18</strong></td>
<td>Supervised Learning-Parametric &amp; Nonparametric approaches, Dr. Saptagirivasan, Capgemini India, Bangalore</td>
<td>Bayesian Classifier, Discriminant Functions, Dr. Saptagirivasan, Capgemini India, Bangalore</td>
<td>Histograms &amp; Kernels, k-nearest neighbor classifier, Dr. S. Rajkumar, Professor &amp; Head, Biomedical department, Rajalakshmi Engineering College</td>
<td>Estimators &amp; Estimation of error rates, Dr. S. Rajkumar, Professor &amp; Head, Biomedical department, Rajalakshmi Engineering College</td>
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<tr>
<td><strong>08-06-18</strong></td>
<td>Elementary neurophysiology and biological neural network, Dr. V. T. Ramya, Assistant Professor, Rajalakshmi Engineering College</td>
<td>Artificial neural network- Architecture, biases and thresholds, Dr. V. T. Ramya, Assistant Professor, Rajalakshmi Engineering College</td>
<td>Neural networks based on Competition- Kohonen self organizing map, Mr. V. Pragadeeshwaran R &amp; D Head, Aries Biomed, Coimbatore</td>
<td>Learning Vector Quantisation, Counter propagation networks, Mr. V. Pragadeeshwaran R &amp; D Head, Aries Biomed, Coimbatore</td>
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<tr>
<td><strong>09-06-18</strong></td>
<td>Handson Training on Clustering using MATLAB, Dr. R. Vijayarajan, Associate Professor, Department of ECE, St. Joseph's College of Engineering</td>
<td>Handson Training on Clustering using MATLAB, Dr. R. Vijayarajan, Associate Professor, Department of ECE, St. Joseph's College of Engineering</td>
<td>Hebbian learning, Perceptron, Dr. M. C. Jobin Christ, Professor, Department of Biomedical Engineering, Rajalakshmi Engineering College, Chennai.</td>
<td>Generalized delta rule, Dr. M. C. Jobin Christ, Professor, Department of Biomedical Engineering, Rajalakshmi Engineering College, Chennai.</td>
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<td>11-06-18</td>
<td>Handson Training on Pattern Recognition using MATLAB</td>
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<td>Mr. T.K. Senthil Kumar, Assistant Professor, Rajalakshmi Institute of Technology</td>
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<td>12-06-18</td>
<td>Bidirectional Associative memory- Hopfield Network</td>
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<td>Dr. M.C. Jobin Christ, Professor, Department of Biomedical Engineering, Rajalakshmi Engineering College, Chennai</td>
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<td>Back Propagation Networks</td>
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<td>Dr. M.C. Jobin Christ, Professor, Department of Biomedical Engineering, Rajalakshmi Engineering College, Chennai</td>
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<td></td>
<td>Adaline, Madaline, Dr. S. Rajkumar, Professor &amp; Head, Biomedical department, Rajalakshmi Engineering College</td>
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<td>Validation &amp; Feed Back</td>
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</table>

**Principal**

**RAJALAKSHMI ENGINEERING COLLEGE**

**AN AUTONOMOUS INSTITUTION**

**THANDALAM, CHENNAI - 602 105.**
Faculty Development Training Programme

On

PATTERN RECOGNITION AND NEURAL NETWORKS

at

BME Department, Rajalakshmi Engineering College

KEY RESOURCE PERSONS

<table>
<thead>
<tr>
<th>S.No</th>
<th>Name of the Resource person</th>
<th>Affiliation</th>
<th>Topic covered</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. Bagyaraj</td>
<td>Professor, Department of Biomedical Engineering, SSN College of Engineering, Chennai.</td>
<td>Pattern Recognition – Unsupervised Learning, clustering, data representations, distance measures, Clustering algorithm</td>
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<tr>
<td>2.</td>
<td>Dr. R. Vijayarajan</td>
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<td>3.</td>
<td>Mr. T. K. Senthil Kumar</td>
<td>Assistant Professor, Rajalakshmi Institute of Technology</td>
<td>Handson Training on Pattern Recognition &amp; Neural Networks using MATLAB</td>
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<tr>
<td>4.</td>
<td>Dr. Sabthagirivasan</td>
<td>Capgemini India, Bangalore</td>
<td>Counter Propagation Network, Self Organising Map</td>
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<td>5.</td>
<td>Mr. V. Pragadeeshwaran</td>
<td>R &amp; D Head, Aries Biomed, Coimbatore</td>
<td>Bidirectional Associative Memory, Hopfield Network, Learning Vector Quantization</td>
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<td>6.</td>
<td>Dr. B. Sivakumar</td>
<td>Professor, Department of Humanities and Science, Rajalakshmi Engineering College, Chennai.</td>
<td>Statistical decision making, Distribution functions, choosing a probability function, Bayes theorem</td>
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<td>7.</td>
<td>Dr. R. Kalpana</td>
<td>Dean, Department of Biomedical Engineering,</td>
<td>Non parametric density estimation, histograms, kernels, window estimators</td>
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<td>Rajalakshmi Engineering College, Chennai.</td>
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<td>Dr. S. Rajkumar</td>
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<td>k-nearest neighbor classifier, estimation of error rates, Adaline, Madaline</td>
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<th>Sl.No</th>
<th>Name</th>
<th>Designation</th>
<th>Institution</th>
<th>Address</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Ms.S.PANDI PRABHA</td>
<td>Associate Professor</td>
<td>Sri Venkateswara College of Engineering</td>
<td>Chennai-Bengaluru High Road, Pen nalur Village, Kancheepuram District, Srperambudur, Tamil Nadu 602117</td>
</tr>
<tr>
<td>2</td>
<td>Dr.C.KARTHIK</td>
<td>Associate Professor</td>
<td>St Joseph's College of Engineering</td>
<td>Jeppiaar Nagar, Old Mamallapuram Road, Kanchipuram District, Chennai - 600119</td>
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<td>3</td>
<td>Dr.S.SRIDHAR</td>
<td>Assistant Professor</td>
<td>Jeppiaar Engineering College</td>
<td>Old Mahabalipuram Rd, Semmancheri, Rajiv Gandhi Salai, Jeppiaar Nagar, Chennai, Tamil Nadu 600119</td>
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<td>4</td>
<td>Mr.G.S.UTHAYAKUMAR</td>
<td>Associate Professor</td>
<td>St Joseph's College of Engineering</td>
<td>Jeppiaar Nagar, Old Mamallapuram Road, Kanchipuram District, Chennai - 600119</td>
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<td>5</td>
<td>Ms.E.KARUPPATHAL</td>
<td>Assistant Professor</td>
<td>Rajalakshmi Engineering College</td>
<td>Rajalakshmi nagar, Thandalam, Chennai, 602105</td>
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<tr>
<td>6</td>
<td>Ms.P.POORNIMA</td>
<td>Assistant Professor</td>
<td>GKM College of Engineering and Technology</td>
<td>Near Tambaram, G.K.M. Nagar, Perungalathur, Chennai, Tamil Nadu 600063</td>
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<tr>
<td>7</td>
<td>Ms.S.SHOBANA</td>
<td>Associate Professor</td>
<td>Prathyusha Engineering College</td>
<td>Aranvoyalkkuppm, Poonamalle-Tiruvallur Road, Tiruvallur, Tamil Nadu 602025</td>
</tr>
<tr>
<td>8</td>
<td>Ms.A.SHANTHI PRIYA</td>
<td>Assistant Professor</td>
<td>Rajalakshmi Engineering College</td>
<td>Rajalakshmi nagar, Thandalam, Chennai, 602105</td>
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<tr>
<td>9</td>
<td>Ms.K.R.PREETHY</td>
<td>Assistant Professor</td>
<td>St Joseph's College of Engineering</td>
<td>Jeppiaar Nagar, Old Mamallapuram Road, Kanchipuram District, Chennai - 600119</td>
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<td>10</td>
<td>Ms.D.G.CAROLINE</td>
<td>Assistant Professor</td>
<td>St Joseph's College of Engineering</td>
<td>Jeppiaar Nagar, Old Mamallapuram Road, Kanchipuram District, Chennai - 600119</td>
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<td>11</td>
<td>Ms. A.N. Nithyaa</td>
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<td>Mr. R. Premkumar</td>
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<td>Rajalakshmi Engineering College</td>
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<td>Ms. M. Bobby</td>
<td>Assistant Professor</td>
<td>Rajalakshmi Engineering College</td>
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<td>14</td>
<td>Ms. N. Padmasini</td>
<td>Assistant Professor(SG)</td>
<td>Rajalakshmi Engineering College</td>
<td>Rajalakshmi nagar, Thandalam, Chennai, 602105</td>
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PRINCIPAL
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<td>1</td>
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Report on
Faculty Development Training Programme
On
PATTERN RECOGNITION AND NEURAL NETWORKS
at
BME Department, Rajalakshmi Engineering College

Seven days faculty development training programme on “PATTERN RECOGNITION
AND NEURAL NETWORKS” was held at the Department of Biomedical Engineering of
Rajalakshmi Engineering College, from 5th June to 12th June, 2018. The FDP aims to provide
opportunities to faculty members to enrich their teaching skill and research in the field of Neural
networks and Pattern recognition. The Programme also intends to develop the knowledge of
participants to develop algorithm for analyzing medical images and bio-signals in the relevant field
for inculcating learning values in students and guiding and monitoring their progress. Participants
of the FDP were given exposure to contemporary research methodology. Further, this FDP has
provided them with hands on approach to conduct class, application of MATLAB. The sessions
were handled by eminent resource persons from reputed institutions and industries. Totally 14
faculty members from various institutions were participated in this Faculty Development Training
Programme and got benefited.

The event was coordinated by Professor and Head of the Department Dr.S.Raj kumar and
Professor Dr.M.C.Jobin Christ, Department of Biomedical Engineering, Rajalakshmi Engineering
College, Chennai.

Signature of the HoD
This is to certify that Ms. E. Karuppan. A.P., Rajalakshmi Engineering College, Thandalam, Chennai, has participated in the Faculty Development Training Programme on "BM. Biote. Pattern Recognition. Neural Networks" at Rajalakshmi Engineering College, Thandalam, Chennai, from 5th to 12th June, 2018.

Director
Centre for Faculty Development

Registrar
Anna University

S. D. Hoopon

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
THANDALAM, CHENNAI - 602 105.
This is to certify that Dr. M. Jabin Christ, Professor
Department of Bio-Medical Engineering
Rajalakshmi Engineering College, Thandalam, Chennai
served as a Co-ordinator
for the Faculty Development Training Programme on
BME 6701 - Pattern Recognition & Neural Networks
from 5th to 12th June 2018

Director
Centre for Faculty Development

Registrar
Anna University
Seminar on
Self-care for educators
by Deepthi Janga
13th May 2019

FROM: 10.30 AM
TO: 1.30 PM
VENUE: Heritage Hall
Permission letter

Date: 02.05.2019

Place: Chennai

From

Dr. Yogesh Kumar Sinha
Professor and Head of Department
Department of Aeronautical Engineering
Rajalakshmi engineering college, Thandalam
Chennai – 602105

To

The Principal
Rajalakshmi Engineering College
Thandalam
Chennai – 602105

Dear Sir / Madam

Sub – Requisition to conduct FDP for teaching Staff- “self-care for educators”

We have planned to conduct the One Day Faculty Development Program titled self-care for educators for Aeronautical Engineering teaching staff on 13/05/2019. I believe this will be a very informative session and helpful to enhance their knowledge. All the necessary things like the catering service will be arranged separately by us. I hope to hear this event has been approved soon Thank you very much for your time and consideration of my request.

Facility Requirement

1. Heritage Hall for induction program
2. Refreshment for Resource Persons
3. Memento
Deepthi Janga

I am a teacher leader by passion. I believe students need life skills to live an enriched life. When words start flowing from you, you experience life at a different level. Language is a medium of expressing yourself better and can be learnt by anyone at any point of their life. Learning to become better every single day is my mission. When we can lead to grow together, the world becomes a much better place.

The journey of personal growth becomes interesting with the support of the right mentor. Let me help you get there by leveraging my experience.

HOD / AERO

[Signature]

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
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<td>Aravindan A</td>
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HOD Aeronautical Engineering
DEPARTMENT OF AERONAUTICAL ENGINEERING

Closure Report for Faculty Development Programme on "Self-care for educators"
(13/05/2019)

- Faculty Development Programme is conducted by the Department of Aeronautical Engineering in association with Aeronautical society of India, Chennai Branch

  Total number of participants – Teaching Faculty members – 20

- The program has started with prayer song and followed by welcome address by the Head of the Department, Dept of Aeronautical Engineering. The speaker has delivered an inspiring keynote speech to the participants before announcing the workshop to commence.

- The speaker started the lecture on the importance of a healthy and interactive classes and the session went on for a while.

- It was very much helpful for the teaching faculty from various department

- The members given feedback at the end of the lecture. They were very happy that confidence level of them is increased.

- After the feedback session, certificates were distributed to all participants The program has been completed with national anthem.

PROGRAM SCHEDULE

10.30 – 10.45 am  :  Registration

10.45 – 11.00 am  :  Inaugural Function - Prayer Song, Welcome address by HoD (Aero).

11.00 – 01.00 pm  :  Guest talk and workshop by Ms.Deepthi Janga on “Self-Care for educators”

01.00 – 01.30 pm  :  Valedictory Function - Feedback collection, Certificate distribution and Vote of thanks.

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THANDALAM, CHENNAI - 602 105.

HOD AERO DEPARTMENT
About the FDP:

The workshop is formulated to enhance the knowledge and skill of the participants in using LabVIEW for implementing real time projects in the field of signal and image processing.

Objectives of Workshop:

- To make the participants familiarize with LabVIEW through hands on experience.
- To enable the participants take up real time projects in the field of signal and image processing using LabVIEW.

Major Course Contents:

- Graphical System Design using in engineering education.
- Introduction to LabVIEW.
- Data acquisition and Signal conditioning.
- Hands-on sessions on Digital Signal Processing using LabVIEW.
- Hands-on sessions on Digital Image Processing using LabVIEW.
- Hands-on sessions on System design using LabVIEW.
- Research applications using LabVIEW

Resource person:

Mr. Pragadheeswaran Venkat,
CEO – Aries Biomed Technology, Coimbatore

Date: 25/05/2020

Time: 9:00am- 3:00pm

To join the video meeting, click this link: https://meet.google.com/iwj-dtvr-ywe

Otherwise, to join by phone, dial +1 347-566-5487 and enter this PIN: 495 869 204#
RAJALAKSHMI ENGINEERING COLLEGE
THANDALAM, CHENNAI 602105
DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 24.05.2020

SUBMITTED TO THE VICE-CHAIRMAN

DEAR SIR,

SUB: Permission to conduct FDP on Introduction to LabVIEW -reg.

The Department of Biomedical Engineering is planning to conduct a faculty enhancement training Programme on “Introduction to LabVIEW” on 25 May 2020. The objective of the programme is to provide training on LabVIEW software platform for biomedical instrumentation, bio-signal and image processing applications. It helps the faculty members to effectively guide students and also for reviewing the work done by research scholars and students.

The maximum number of participants was restricted to 25. No registration fee for participants. Participation certificate and snacks are to be provided to the participants.

I request your permission to conduct the program in our institution.

Thanking you,

HOD

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AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
Rajalakshmi Engineering College, Chennai

Department of BME

FACULTY UPSKILLING PROGRAM:
HANDS ON TRAINING IN LabVIEW
25/05/2020

List of participants

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<td>1</td>
<td>Dr.SURESH ANAND BS</td>
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<td>Mr.MURALIDHARAN C</td>
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<td>Dr.ASHWIN KUMAR N</td>
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<td>Ms.REMYA S</td>
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<td>Ms.SHANTHI PRIYA A</td>
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Department of Biomedical Engineering, Rajalakshmi Engineering College, organized a faculty upskilling program on “NI LabVIEW in Association with Aries biomed (Coimbatore) on 25/05/2021. In this event, many faculty members have participated. Mr. N.Viswanath, Sr.Application Engineer, Techlabs, Hyderabad, Mr. Pragadheeswaran Venkat, CEO – Aries Biomed Technology, Coimbatore was the resource person. The inaugural function of the event started with a welcome address by Dr. R.Kalpana,

Prof & dean -BME followed by the Guest introduction by Mr.R.Premkumar, Associate Professor of BME. HOD presented the theme of the program and said that Signal and image processing plays an important role in various applications like diagnosis of cancer etc. And Guest continued the session with all the objectives.

The FDP came to an end with valedictory function where HOD, who has appreciated Academic Staff College and Dept.BME, for organizing this kind of FDPs in latest technologies and also added that learning new technologies is live direct participation in nation building. FDP came to an end with a vote of thanks proposed by Ms.E.Karuppathal Coordinator, FDP.

All the sessions were very much informative. The discussed areas are of great benefit for the participants as the topics match with the current working domain. Participants were enlightened with the most widely used advance technologies in this domain. This in turn will help in research activity.
CERTIFICATE OF APPRECIATION

This certificate is presented to:

Ms Sai Divya R

For your participation in one day workshop on “Introduction to LabVIEW”
Organized by Department of Biomedical Engineering, Rajalakshmi Engineering college, Chennai.

May 25, 2020
CERTIFICATE OF APPRECIATION

This certificate is presented to:

Ms Karuppathal E

For your participation in one day workshop on “Introduction to LabVIEW”
Organized by Department of Biomedical Engineering, Rajalakshmi Engineering college, Chennai.

May 25 2020

HOD
Training on Microbial biofilms and its clinical relevance

Organized by the Department of BioTechnology in association with Journal Club BT REI and Institution's Innovation Council, REI.

Presenter
Dr. P. Saravanan

Assistant Professor
Department of BioTechnology
Rajalakshmi Engineering College
Chennai

DATE: 03.12.2019
TIME: 9.00 AM

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
Requisition for conducting training program for faculty in BioTechnology Department-Regd:-

2 messages

HOD Biotechnology <hod.bt@rajalakshmi.edu.in> Thu, Nov 07, 2019 at 8:58 AM
To: Principal REC <principal@rajalakshmi.edu.in>

Dear Sir,

We have planned to conduct a training program (Teaching faculty) under the title of microbial biofilms and its clinical relevance on 03.12.2019. Here, I have attached the training program brochure for your reference sir. So, I request you sir to give permission to conduct a training program on the above date.

Thanks& Regards
Dr.R.Jayasree, PhD,
Professor,HOD,
Department of BioTechnology,
REC, Chennai.

Faculty Training program-Brochure.pdf
230 K

Principal REC <principal@rajalakshmi.edu.in> Thu, Nov 07, 2019 at 05:00 PM
To: HOD Biotechnology <hod.bt@rajalakshmi.edu.in>

Dear Madam,

I have gone through the training programme details. I do believe that this programme will certainly be of benefit to the faculty of biotechnology department. Thereby i approve the conduct of the training programme as per the schedule suggested.

Thanks & Regards,

Dr.S.N.Murugesan
Principal
Rajalakshmi Engineering College
[Quoted text hidden]

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

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RAJALAKSHMI ENGINEERING COLLEGE
AUTONOMOUS
DEPARTMENT OF BIOTECHNOLOGY
Cordially invites you for a training on
Microbial biofilms and its clinical relevance
By
Dr.P.Saravanan
Venue: Bio film Laboratory
Date: 03.12.2019
Time: 09.00 am

About the Speaker
Dr.P.Saravanan is working as a Assistant professor in the department of BioTechnology at REC, Chennai. He did M.Sc.(Zoology) at Ayya Nadar Janaki Ammal College, Sivakasi. He completed Ph.D. (Biotechnology), Pondicherry University, Pondicherry, India (Thesis awarded entitled “Ecological and Molecular Studies on Bacteria Isolated from the Condenser Discharge Site of a Coastal Electric Power Plant” 2006). He did a Post-doctoral visiting Fellow, Sponsored by National Institute of Dental and Craniofacial Research, National Institutes of Health, 2007- 2009. He did a Post-doctoral Visiting Fellow, sponsored by National Institute of Allergy and Infectious Diseases, National Institutes of Health, 2010- 2011. He was a Research Fellow, Sponsored by, Singapore Centre on Life Sciences Engineering, Nanyang Technological University, 2012-2015

Coordinator:
Dr.A.Saravanan
CERTIFICATE OF PARTICIPATION

This is to certify that Dr. P. Rajasekar of Rajalakshmi Engineering College attended a Training on "Microbial Biofilms and its Clinical Relevance" on 03.12.2019, hosted by Rajalakshmi Engineering College, Chennai.

Mr. S. Arun Kumar
Organizer

Dr. R. Jayasree
Professor & HOD

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AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
PRINCIPAL,
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 103.
Rajalakshmi Engineering College  
(Autonomous)  
Department of BioTechnology  
Training on “Microbial biofilms and its clinical relevance”  
Date: 03.12.2019  
Summary of the training program-Report

- Program was inaugurated with prayer song at 09.00 am on 03.12.2019. In the Inaugural address Head of the Department of BioTechnology, Dr. R. Jayasree welcomed and introduced the chief guest Dr.P.Saravanan, Assistant professor, Department of BioTechnology, REC, Chennai. Also, HOD spoke few words about the training program.
- In the training program by the chief guest Dr.P.Saravanan explained the necessity of microbial films.
- After the tea break, Dr.P.Saravanan deliberated the microbial biofilms and its clinical relevance.
- In the session 3, as per the training of Dr.P.Saravanan, teaching faculty did the practise session of microbial films formation.
- At 12.15 pm Assistant professor Mr. S. Arunkumar felicitated chief guest Dr.P.Saravanan with a memento as token of appreciation and concluded the training program with vote of thanks followed by nation anthem.
- Feedbacks were collected from the teaching faculty and the speaker about the training program.
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<td>21.</td>
<td>Mrs. K. S. Sree</td>
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<td>Dr. A. Saravanan</td>
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S. N. Prasanna

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
Faculty development program on

How to Connect to Students and Understand Their Emotions

By Haran R P

Organized by
Department of Aeronautical Engineering

On: 26/04/2021
From: 2 pm to 4 pm
Venue: Heritage Hall
Permission letter

Date: 15.04.2021
Place: Chennai

From
Dr. Yogesh Kumar Sinha
Professor and Head of Department
Department of Aeronautical Engineering
Rajalakshmi engineering college, Thandalam
Chennai – 602105

To
The Principal
Rajalakshmi Engineering College
Thandalam
Chennai – 602105

Dear Sir / Madam

Sub – Requisition to conduct FDP for teaching Staff- “How to connect with students and understand their emotions”

We have planned to conduct the One Day Faculty Development Program titled How to connect with students and understand their emotions for Aeronautical Engineering teaching staff on 26/04/2021. I believe this will be a very informative session and helpful to enhance their knowledge. All the necessary things like the catering service will be arranged separately by us. I hope to hear this event has been approved soon. Thank you very much for your time and consideration of my request.

Facility Requirement
1. Heritage Hall for induction program
2. Refreshment for Resource Persons
3. Memento

[Signature]
15/4/21
Haran R P

He is a Counselling Psychologist. Currently, He is working as a Psychology Lecturer in a PU College and handling classes for I PU and II PU. He is also doing private tutoring for PU, CBSE, ICSE, NOS, UG, PG, and research students for the past 2 years. He has completed several Ed-courses to make online education livelier. He involves LMS, Periodical quizzes, and Asynchronous learning in tutoring.

HOD/ Aero Department

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 502 105.
Rajalakshmi Engineering College  
Department Aeronautical Engineering  
Seminar on “How to Connect with Students And Understand Their Emotions”  
(26/04/2021)

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<td>D. Joel</td>
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HOD Aeronautical Engineering

[Signature]

Principal
Rajalakshmi Engineering College
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
DEPARTMENT OF AERONAUTICAL ENGINEERING

Closure Report for Faculty Development Programme on "How to connect to students and understand their emotions"
(26/04/2021)

- Faculty Development Programme is conducted by the Department of Aeronautical Engineering in association with Aeronautical society of India, Chennai Branch

  Total number of participants – Teaching Faculty members – 20

- The program has started with prayer song and followed by welcome address by the Head of the Department, Dept of Aeronautical Engineering. The speaker has delivered an inspiring keynote speech to the participants before announcing the workshop to commence.

- The speaker started the lecture on the importance of a healthy and interactive classes and the session went on for a while.

- It was very much helpful for the teaching faculty from various department

- The members given feedback at the end of the lecture. They were very happy that confidence level of them is increased.

- After the feedback session, certificates were distributed to all participants The program has been completed with national anthem.

PROGRAM SCHEDULE

02.00pm – 02.15 pm : Registration

02.15pm – 02.30 pm : Inaugural Function - Prayer Song, Welcome address by HoD (Aero).

02.30 – 03.40 pm : Guest talk and workshop by Mr.Haran R P on “How to connect to students and understand their emotions”

03.40 – 04.00 pm : Valedictory Function - Feedback collection, Certificate distribution and Vote of thanks.

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

HOD AERO DEPARTMENT
Training on MATLAB Application in BioTechnology

Organized by the Department of BioTechnology in association with Journal Club BT REC and Institution’s Innovation Council, REC

Presenter
Dr. Seelam Narasimha Reddy, PhD

Assistant Professor
Department of Chemical Engineering
Rajalakshmi Engineering College
Chennai

📅 11 Feb 2021 🕒 01.00 PM

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
HOD Biotechnology <hod.bt@rajalakshmi.edu.in>

Requisition for conducting training program for faculty in BioTechnology Department-Regd:-
2 messages

HOD Biotechnology <hod.bt@rajalakshmi.edu.in>  Thu, Jan 21, 2021 at 10:38 AM
To: Principal REC <principal@rajalakshmi.edu.in>

Dear Sir,

We have planned to conduct a training program (Teaching faculty) under the title of MATLAB application in BioTechnology on 11th Feb 2021. Here, I have attached the training program brochure for your reference sir. So, I request you sir to give permission to conduct a training on the above date.

Thanks & Regards
Dr.R.Jayasree, PhD,
Professor,HOD,
Department of BioTechnology,
REC, Chennai.

Faculty Training program-Brochure.pdf 228K

Principal REC <principal@rajalakshmi.edu.in>  Thu, Jan 21, 2021 at 3:00 PM
To: HOD Biotechnology <hod.bt@rajalakshmi.edu.in>

Dear Madam,

I have gone through the training programme details. I do believe that this training will certainly be of benefit to the faculty of biotechnology department. Thereby I approve the conduct of the training programme as per the schedule suggested (11th Feb 2021).

Thanks & Regards,

Dr.S.N.Murugesan
Principal
Rajalakshmi Engineering College
[Quoted text hidden]
Dear Sir/Madam,

The Journal Club of Department of Biotechnology is organizing a training on optimization of conditions for food fermentation process in association with Institution’s Innovation Council on 11th Feb, 2021. Kindly find attached, the invitation for the same. We request your gracious presence to make this programme a great success.

With Regards and Gratitude

---

Dr.R.Jayasree
Professor & Head
Department of Biotechnology
Rajalakshmi Engineering College

---

Dr.R.Jayasree
Professor & Head
Department of Biotechnology
Rajalakshmi Engineering College

Training on MATLAB application in BioTechnology Invite1.pdf
412K

HOD Biotechnology <hod.bt@rajalakshmi.edu.in>  
PM To: Staff_BT <staff.bt@rajalakshmi.edu.in>  
Tue, Feb 09, 2021 at 4:50

PM To: Staff_BT <staff.bt@rajalakshmi.edu.in>
Tue, Feb 09, 2021 at 4:50

https://mail.google.com/mail/u/0/?ik=2df678147b&view=pt&search=all&permthid=thread-f%3A1577423032715010423&simp=msg-f%3A15774230327...
RAJALAKSHMI ENGINEERING COLLEGE
AUTONOMOUS
DEPARTMENT OF BIOTECHNOLOGY

Cordially invites you for a training on
MATLAB Application in BioTechnology

By
Dr. Seelam Narasimha Reddy

Venue: Bioinformatics Laboratory
Date: 11.02.2021
Time: 01.00 pm

About the Speaker

Dr. Seelam Narasimha Reddy is working as Assistant professor in the department of Chemical Engineering at REC. He pursued his PhD (Chemical Engineering) at IIT Madras. He did M.Tech (Refining & Petrol Engineering) at UPES, Dehradun. He had two years of teaching experience at NIT Warangal and also, another 2 years of teaching experience in NIT Andhra Pradesh. He was acting multirole such as exam cell incharge, course coordinator, faculty advisor, time table coordinator and in charge of discipline Committee. He has published more number of research articles in peer reviewed National and International Journals. He attended conference and seminars in the area of Biochemical process and MATLAB application.

Coordinator:
Dr. A. Saravanan
CERTIFICATE OF PARTICIPATION

This is to certify that Dr. T.A. Selvakumar of Rajalakshmi Engineering College attended a Training on "MATLAB Application in BioTechnology" on 11th Feb 2021, hosted by Rajalakshmi Engineering College, Chennai.

Mr. S. Arun Kumar
Organizer

Dr. R. Jayasree
Professor & HOD

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
Rajalakshmi Engineering College  
(Autonomous)  
Department of BioTechnology  
Training on “MATLAB Application in BioTechnology”  
Date: 11.02.2021  
Summary of the training program-Report  

- Program was inaugurated with prayer song at 01.00 am on 11.02.2021.  
- In the Inaugural address Head of the Department of BioTechnology, Dr. R. Jayasree welcomed and introduced the chief guest Dr.Seelam Narasimha Reddy, Assistant professor, Department of Chemical Engineering, REC, Chennai. Also, HOD spoke few words about the training program.  
- In the training program by the chief guest Dr.Seelam Narasimha Reddy explained the necessity of MATLAB tool in Engineering field.  
- After tea break, Ms. Dr.Seelam Narasimha Reddy deliberated the application of MATLAB tool in BioTechnology.  
- In the session 3, as per the training of Dr.Seelam Narasimha Reddy, teaching faculty did the practise session of MATLAB.  
- At 3.45 pm Assistant professor Mr. S. Arunkumar felicitated chief guest Dr.Seelam Narasimha Reddy with a memento as token of appreciation and concluded the training program with vote of thanks followed by nation anthem.  
- Feedbacks were collected from the teaching faculty and the speaker about the training program.
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<tr>
<th>S.No.</th>
<th>Name of the faculty</th>
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<tr>
<td>1</td>
<td>Dr. Johnson Rajkumar</td>
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<td>Dr. T.K. Srinivasan</td>
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<td>Dr. V. Gopal</td>
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<td>Dr. T. Aruna</td>
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<td>Dr. D. Harijaya</td>
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<td>Dr. M. Santhar</td>
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<td>Mr. L. Babu</td>
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<td>Dr. Hema Ravindra</td>
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<td>Dr. Gajima Roy</td>
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<td>Ms. S. Hemamalini</td>
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<td>24</td>
<td>Mr. J. Ambiga Devi</td>
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**Notes:**

- Signature of Principal: [Signature]

**Principal:**

RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
Training on NCBI Gene Sequencing Analysis

Organized by the Department of BioTechnology in association with Journal Club BT REU and Institution's Innovation Council, REU

Presenter
Ms. Femina Carlin

Senior Research Fellow
Department of BioTechnology
SSN Engineering College, Chennai

DATE: 05.02.2021  TIME: 01.00 PM
Requisition for conducting training program for faculty in BioTechnology Department-Regd:-

2 messages

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

To: Principal REC <principal@rajalakshmi.edu.in>

Wed, Jan 27, 2021 at 8:59 AM

Dear Sir,

We have planned to conduct a training program (Teaching faculty) under the title of NCBI Gene Sequencing Analysis on 05.02.2021. Here, I have attached the training program brochure for your reference sir. So, I request you sir to give permission to conduct a training program on the above date.

Thanks& Regards
Dr.R.Jayasree, PhD,
Professor,HOD,
Department of BioTechnology,
REC, Chennai.

Faculty Training program-Brochure.pdf
210 K

Principal REC <principal@rajalakshmi.edu.in>

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

Wed, Jan 27, 2021 at 05:20 PM

Dear Madam,

I have gone through the training programme details. I do believe that this programme will certainly be of benefit to the faculty of biotechnology department. Thereby i approve the conduct of the training programme as per the schedule suggested.

Thanks & Regards,

Dr.S.N.Murugesan
Principal
Rajalakshmi Engineering College

[Quoted text hidden]
Cordially invites you for a training on
NCBI Gene Sequencing Analysis

By
Ms. Femina Carlin

Venue: B320 Hall
Date: 05.02.2021
Time: 01.00 pm

About the Speaker

Ms. Femina Carlin is working as SRF in the Department of BioTechnology at SSN Engineering College, Chennai. She completed B.Tech (BioTechnology) in the year of 2014 at Vel Tech High Tech Engineering College/ Anna University. She completed M.Tech and PhD (Environmental Science and Technology) in the year of 2016 & 2021 respectively at SSN Engineering College. She attended conference, workshop and training in various fields such as Design of Components, Simulation and Analysis of Composites, Bio Medical Components, analytical Techniques and design experts. She has published more number of SCI and SCIE journals with high impact factor. She published more number of book chapters in the reputed journals.

Coordinator:

Dr. A. Saravanan
CERTIFICATE OF PARTICIPATION

This is to certify that Ms. R. Anila of Rajalakshmi Engineering College attended a Training on “NCBI Gene Sequencing Analysis” on 05.02.2021, hosted by Rajalakshmi Engineering College, Chennai.

Mr.S.Arun Kumar
Organizer

Dr.R.Jayasree
Professor & HOD

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
Rajalakshmi Engineering College
(Autonomous)

Department of BioTechnology

Training on “NCBI Gene Sequencing Analysis”

Date: 05.02.2021

Summary of the training program-Report

• Program was inaugurated with prayer song at 01.00 pm on 05.02.2021. In the Inaugural address Head of the Department of BioTechnology, Dr.R.Jayasree welcomed and introduced the chief guest Ms. Femina Carlin, SRF, SSN Engineering College, Chennai. Also, HOD spoke few words about the training program.

• In the training program by the chief guest Ms. Femina Carlin explained the necessity of gene sequencing analysis.

• After the tea break, Ms. Femina Carlin deliberated the NCBI Gene Sequencing Analysis.

• In the session 3, as per the training of Ms. Femina Carlin, teaching faculty did the practise session of gene sequencing analysis.

• At 3.30 pm Assistant professor Mr. S. Arunkumar felicitated chief guest Ms. Femina Carlin with a memento as token of appreciation and concluded the training program with vote of thanks followed by nation anthem.

• Feedbacks were collected from the teaching faculty and the speaker about the training program

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RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
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<td>Dr. Ashok Rajkumar</td>
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Dates: 05.07.2021

S.R. Mahapatra

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
Faculty Development Program
Covid-19 and It's impact on world economy
Organized by
Department of Aeronautical Engineering

ON: 06/06/2022
from: 10am to 1pm
venue: Heritage Hall

Harvinder Kaur
Psychology, Child Development, Counselling
Permission letter

Date :26.05.2022
Place: Chennai

From
Dr. Suresh Chandra Khandai
Professor and Head of Department
Department of Aeronautical Engineering
Rajalakshmi engineering college, Thandalam
Chennai – 602105

To
The Principal
Rajalakshmi Engineering College
Thandalam
Chennai – 602105

Dear Sir / Madam

Sub – Requisition to conduct FDP for teaching Staff- “Covid -19 and its impact on world economy”

We have planned to conduct the One Day Faculty Development Program titled covid -19 and its impact on world economy for Aeronautical Engineering teaching staff on 06/06/2022. I believe this will be a very informative session and helpful to enhance their knowledge. All the necessary things like the catering service will be arranged separately by us. I hope to hear this event has been approved soon Thank you very much for your time and consideration of my request.

Facility Requirement

1. Heritage Hall for induction program
2. Refreshment for Resource Persons
3. Memento
Dedicated Psychologist with 20+ years’ experience in teaching as well as providing therapy. Have proven record of maximising students potential. Child friendly, non judgemental, open and unconditional positive regard for every student for we all have the potential to blossom under the right guidance. I have been honoured with several awards such as education excellence award, women lead 2022 award. I believe Psychology is one of the most interesting subjects that can help us deepen our understanding of human psyche and behaviour. Lets dive into this subject and explore it. My best result has been the year 2018, 6 students scored full 100% marks. I believe in child centred, demonstrative, analytical teaching style.
Rajalakshmi Engineering College  
Department Aeronautical Engineering  
Seminar on “Covid-19 and It’s impact on World Economy”  
(06/06/2022)

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<td>1.</td>
<td>Dr. Nithigautham R.K.</td>
<td>AP(SC), Aeron</td>
<td>R.K.</td>
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<td>Dr. Sreetha Kh라도이</td>
<td>AP, Aeron</td>
<td>S.K.</td>
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<td>3.</td>
<td>Pr. Muthusamy N.</td>
<td>AP(Aeron)</td>
<td>N.M.</td>
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<td>4.</td>
<td>Aurechra Bogadi</td>
<td>AP(SC), Aeron</td>
<td>A.B.</td>
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<td>Balaji R</td>
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<td>Pranleesh S.</td>
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<td>AP(PO), Aeron</td>
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<td>M. Samtha Parker</td>
<td>APCSS, Meel</td>
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HOD Aeronautical Engineering
DEPARTMENT OF AERONAUTICAL ENGINEERING

Closure Report for Faculty Development Programme on "Covid-19 and its impact on world economy"

(06/06/2022)

- Faculty Development Programme is conducted by the Department of Aeronautical Engineering in association with Aeronautical society of India, Chennai Branch

  Total number of participants – Teaching Faculty members – 20

- The program has started with prayer song and followed by welcome address by the Head of the Department, Dept of Aeronautical Engineering. The speaker has delivered an inspiring keynote speech to the participants before announcing the workshop to commence.

- The speaker started the lecture on the importance of a healthy and interactive classes and the session went on for a while.

- It was very much helpful for the teaching faculty from various department

- The members given feedback at the end of the lecture. They were very happy that confidence level of them is increased.

- After the feedback session, certificates were distributed to all participants The program has been completed with national anthem.

PROGRAM SCHEDULE

10.00 – 10.15 am : Registration
10.15 – 10.30 am : Inaugural Function - Prayer Song, Welcome address by HoD (Aero).
10.30 – 12.40 pm : Guest talk and workshop by Ms.Harvinder kaur on “Covid-19 and its impact on world economy”
12.40 – 01.00 pm : Valedictory Function - Feedback collection, Certificate distribution and Vote of thanks.

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

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

DEPARTMENT OF BIOMEDICAL ENGINEERING

FACULTY UPSKILLING PROGRAM

Hands on training on BIOPAC systems

(Hardware and software)

AGENDA

- Overview of BIOPAC systems
- Acquisition overview
- Analysis basics
- Creating lessons
- Recording basics – Acquisition overview
- Setup acquisitions
- Channel presets
- Output control
- Other commands

Resource Person:

Dr. Basker, Biopac systems, Bangalore

Venue: Biomedical Instrumentation Lab (academic block)

Date: 26/7/22

Time: 9:00am - 2:30pm

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAI, CHENNAI – 602 105.
DEAR SIR,

SUB: Permission to conduct Hands on training on BIOPAC systems (hardware & software)-reg.

The Department of Biomedical Engineering is planning to conduct a faculty enhancement training Hands on training on BIOPAC systems (hardware & software) on 26 July 2022. The objective of the programme is to provide training on BIOPAC data acquisition device for Laboratory and research purpose. It helps the faculty members to effectively guide students and also for reviewing the work done by research scholars and students.

The maximum number of participants was restricted to 25. No registration fee for participants from the Department of Biomedical Engineering. Participation certificate and snacks are to be provided to the participants.

I request your permission to conduct the program in our institution.

Thanking you,

[Signature]

DATE: 23.07.2022

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
Rajalakshmi Engineering College, Chennai
Department of BME

**Hands on training on BIOPAC systems**

( Hardware and software )

26/07/2022

List of participants

<table>
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<tr>
<th>S.No</th>
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<tr>
<td>1</td>
<td>Dr. RAJKUMAR.S</td>
<td>PROFESSOR</td>
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PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
The event was started with the 12 faculty members of biomedical engineering department at BMI lab on 26/7/22. The event started with a welcome address by Dr. Kalpana, Dean Department of Biomedical Engineering. This was followed by the hands-on training on BIOPAC systems. The event started around 9 am with the introduction on BIOPAC. This progressed with learning many modules of BIOPAC. All the objectives were covered by the guest Dr. Baskar and all the participants were find its useful. The event was concluded with the Vote of thanks from Dr. Rajkumar, HOD Department of Biomedical Engineering.

Biopac Demonstration:
CERTIFICATE OF APPRECIATION

This certificate is presented to:

Mr. Krishnakumar S, Assistant Professor

In recognition for a successful completion of one day workshop on "Hands on training on BIOPAC systems" organized by Department of Biomedical Engineering, Rajalakshmi Engineering College, Chennai.

Date: 26.07.2022

Signature of HOD

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 196.
CERTIFICATE OF APPRECIATION

This certificate is presented to:

Ms. E Karuppathal, Assistant Professor

In recognition for a successful completion of one day workshop on "Hands on training on BIOPAC systems" organized by Department of Biomedical Engineering, Rajalakshmi Engineering College, Chennai.

Date: 26.07.2022

Signature of HOD
DEPARTMENT OF BIOMEDICAL ENGINEERING

FACULTY UPSKILLING PROGRAM

Basics of Python programming

Objectives

➢ To help the participants to familiarize with Python Programming language and data analysis.
➢ To train the participants in accessing data from various domains.
➢ To develop confidence as independent Python Programmer and data analyst

Course Content:

- Introduction to Python - Input and Output Statements, Comments, Datatypes and Variables
- Python Operators
- Branching Statements
- Looping Statements
- Python Sequence:String
- Python Sequence:List
- Python Sequence:Tuple and Set
- Python Sequence:Dictionary
- Python Libraries-Data Analysis-Pandas and Matplotlib
- Hands on Practice Problems - Python IDLE and Digital Cafe Portal

Resource person

MR. P.V. RAJARAMAN, AP(SS)/CSE

- Venue:  Biosignal processing Lab (academic block)
- Date: 26/11/21
- Time : 9:00am- 3:00pm
RAJALAKSHMI ENGINEERING COLLEGE
THANDALAM, CHENNAI 602105
DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 25.11.2021

SUBMITTED TO THE VICE-CHAIRMAN

DEAR SIR,

SUB: Permission to conduct Python programming-reg.

The Department of Biomedical Engineering is planning to conduct a faculty enhancement training Programme on Python programming on 26 November 2021. The objective of the programme is to provide training on Python programming basics. It helps the faculty members to effectively guide students and also for reviewing the work done by research scholars and students.

The maximum number of participants was restricted to 25. No registration fee for participants from the Department of Biomedical Engineering. Participation certificate and snacks are to be provided to the participants.

I request your permission to conduct the program in our institution.

Thanking you,

Dr. S. Raj Kumar

PRINCIPAL
RAJALAKSHMI ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
THANDALAM, CHENNAI - 602 105.
The event was started with the 10 faculty members of biomedical engineering department at biosignal processing lab on 26/11/21. The event started with a welcome address by Dr. Kalpana, Dean Department of Biomedical Engineering. This was followed by the theory session in the forenoon and hands-on training in the Python IDLE and Digital Cafe Portal in the afternoon session. The participants were got a fair amount of fundamental knowledge on Python Programming. The participants understood data handling, analysis and implementation using Python built-in Libraries. All the objectives were covered by the guest MR. P.V. RAJARAMAN, AP(SS)/CSE and all the participants gave positive feedback. The event was concluded with the Vote of thanks from Dr. Rajkumar, HOD Department of Biomedical Engineering.
Rajalakshmi Engineering College, Chennai

Department of BME

**Basics of Python programming**

26/11/2021

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Certificate of Appreciation

This certificate is presented to:

Ms. Padmasini N

In recognition for a record of participation in “Python programming” Conducted by Department of Biomedical Engineering, Rajalakshmi Engineering College.

Nov 26, 2021

HOD