Internal Quality Assurance Cell (IQAC) and Submission of Annual Quality Assurance Report (AQAR) by Accredited Institutions

(For Autonomous Colleges)

Part – A

Data of the Institution

(data may be captured from IIQA)

1. Name of the Institution : **RAJALAKSHMI ENGINEERING COLLEGE**

- Name of the Head of the institution : **Dr.S.N. Murugesan**

- Designation : **Principal**

- Does the institution function own campus : **Yes**

- Phone no./Alternate phone no. : **044-37181111 / 37181112**

- Mobile no. : **9791135753**

- Registered Email : **admin@rajalakshmi.edu.in**

- Alternate Email : **iqac@rajalakshmi.edu.in**

- Address : **Rajalakshmi Nagar, Thandalam**

- City/Town : **Chennai**

- State/UT : **Tamil Nadu**

- Pin Code : **602105**

2. Institutional status:

- Autonomous Status *(provide the date of Conformant of Autonomous Status):* **June 8th 2017**

- Type of Institution: Co-education/Men/Women : **Co-Education**

- Location : Rural/Semi-urban/Urban   : **Rural**

- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing : **UGC 2f, 12 (B) & Self Financing**

- Name of the IQAC Co-ordinator/Director: **Dr.V. Prasannakumari**

- Phone no. /Alternate phone no. : **044-3718 1080**

- Mobile: **9884179632**

- IQAC e-mail address: **iqac@rajalakshmi.edu.in**

- Alternate Email address**: prasannakumari.v@rajalakshmi.edu.in**

3. Website address: www.rajalakshmi.org

    AQAR submitted for year 16-17 is available at : http://www.rajalakshmi.org/IQAC/AQAR16-17.doc

4. Whether Academic Calendar prepared during the year? **Yes**

Yes/No....., if yes, whether it is uploaded in the Institutional website: **Yes**

Weblink: http://www.rajalakshmi.org/downloads/AcademicCalendar2017-18-OddSem.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1st	B	70.90%	2007	from:2007 to: 2012
2nd	B	2.71	2013	from:2013 to: 2018
3rd	A	3.14	2016	from:2016 to: 2021
4th				
5th				

6. Date of Establishment of IQAC   : **02.05.2007**

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Monthly review meetings	Every month	All Departments
Periodic Feedback from Students	Twice per semester	All Students
Academic & Administrative Audit	Once a year	All departments
Tracking and assistance to Accreditation report submissions to NBA	As required	All departments whose NBA accreditation period is about to end
Periodic IQAC meetings	Twice an year	All members

8. Provide the list of Special Status conferred by Central/ State Government-

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc. **No**

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: **Yes**
         http://www.rajalakshmi.org/IQAC/IQACMembers.docx

10. No. of IQAC meetings held during the year: 4

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website…….   Yes/No :   **Yes**
   (Please upload, minutes of meetings and action taken report)
http://www.rajalakshmi.org/IQAC/iqar.zip

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?   **No**

         If yes, mention the amount: Year:

12. Significant contributions made by IQAC during the current year (maximum five bullets)

* IQAC was instrumental in ensuring continued accreditation status of the departments by submitting compliance reports to NBA periodically

* Conducted Academic & Administrative audit

* Conducted workshops for Faculty on Outcome Based Education and Pedagogy

* Conducted awareness programme for promoting self-learning through NPTEL

* As a consequence of student feedback analysis, significant improvements in transport and canteen facilities were made

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
More Value addition programmes to make maximum placements for students	A significant improvement in the quality of placements and a marginal increase in the number of students placed are witnessed.
It was sensed and decided to motivate and facilitate students for higher studies and competitive examinations	Considerable number of students have taken up admissions in reputed institutions in India and abroad for various courses.
Academic audit format revised periodically to align towards the measures of NBA	Alignment of audit template to measure the metrics followed by NBA has given orientation towards visualising improvement in terms of success rate and academic index

14. Whether the AQAR was placed before statutory body?   Yes /No: **No**

Name of the Statutory body :   Date of meeting(s):

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?
Yes/No:**Yes (NBA)**   Date: 27th Feb 2018

16. Whether institutional data submitted to AISHE: Yes/No: **Yes**

Year: **2018**   Date of Submission: **2-Mar-2018**

17. Does the Institution have Management Information System?   **Yes**

A complete management information system is being indigenously developed and used since a couple of years. This software facilitates entry of all master data and data pertaining to everyday activities. Dynamic reports can be downloaded from this with filters and groupings. Following are the modules that are operational.

- ✓ Administration
    - o All admin requests including halls, canteen and facilities
    - o Faculty profile
    - o Leave applications
    - o Application for financial support to attend conferences etc
- ✓ Assessment
    - o Course allocation and student registration
    - o Timetable
    - o Daily attendance
    - o Internal assessment marks entry
    - o Attendance monitoring
    - o Lesson plans and other information
- ✓ Student information
    - o Participation and prize winning information
    - o LOR
- ✓ Placement Information
    - o Schedules of trainings
    - o Registration to trainings
    - o Placement information
- ✓ Transport
    - o Application to avail bus
    - o Cab request for guests
    - o Transport related information
- ✓ Purchase
    - o All purchased reports and status
- ✓ Research, Consultancy & Publications
    - o All data related to research, consultancy and publications.
- ✓ Comprehensive dashboard according to the roles and responsibilities

Part-B

CRITERION I – CURRICULAR ASPECTS		
1.1 Curriculum Design and Development		
1.1.1 Programmes for which syllabus revision was carried out during the Academic year		
Name of programme	Programme Code	Dates of revision
B.E Aeronautical Engineering	NA	9-Aug-2017
B.E Automobile Engineering	NA	9-Aug-2017
B.E Biomedical Engineering	NA	9-Aug-2017
B.Tech BioTechnology	NA	10-Aug-2017
B.Tech Chemical Engineering	NA	10-Aug-2017
B.E Civil Engineering	NA	10-Aug-2017
B.E Computer Science and Engineering	NA	9-Aug-2017
B.E Electrical and Electronics Engineering	NA	9-Aug-2017
B.E Electronics and Communication Engineering	NA	8-Aug-2017
B.Tech Information Technology	NA	9-Aug-2017
B.E Mechanical Engineering	NA	8-Aug-2017
B.E Mechatronics	NA	5-Aug-2017
M.E. Computer Science & Engineering	NA	9-Aug-2017
M.E. Communication System	NA	8-Aug-2017
M.E. Embedded System	NA	8-Aug-2017
M.E. Engineering Design	NA	9-Aug-2017
M.E. Medical Electronics	NA	9-Aug-2017
M.E. Software Engineering	NA	9-Aug-2017
M.Tech. Bio-Technology	NA	10-Aug-2017
M.B.A. Master of Business Administration	NA	9-Aug-2017

1.1.2 Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year			
Programme with Code	**Date of Introduction**	**Course with Code**	**Date of Introduction**
MBA - Value Added Program		MBA - Spoken and Written Communication (BA17108)	

1.2 Academic Flexibility	
1.2.1 New programmes/courses introduced during the Academic year	
Programme/Course	Date of introduction
B.Tech Food Technology	28-Feb-2018
M.E Avionics	28-Feb-2018

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.					
Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
ALL UG & PG Programmes since June 2017 (Academic year 2017-18)					

Value added courses	Duration
Personality Development-Unfold Yourself	10 weeks
Personality Development-Perceptual Orientation Workshop	10 weeks
Communication Power - Online Communication Program	10 weeks
Debate Session	10 weeks
361 Degree Edge-Online Aptitude Program	24 weeks
Business English Certification	40 weeks
Spoken English Language for Vernacular Medium Student	80 weeks
Embedded Systems	80 weeks
Kaizen Robotics	60 weeks
Green Building Certification	50 weeks
CATIA Primer & Advanced CATIA	80 weeks
Employability Training Camp - Residential	90 hours

1.3.2 Field Projects / Internships under taken during the year	
Company/Project/Programme Title	No. of students enrolled for Field Projects / Internships
Ashok Leyland	**39**
BMW, Chennai.	**2**
Caparo Engineering India Pvt Ltd	**1**
Caterpillar India Private Limited Bcpd, Thiruvallur	**10**
Chennai Ford(Arumbakkam)	**22**
Global Automotive Research Center	**9**
Greaves Cotton Ltd	**4**
Hivec Rhino Technologies Pvt. Ltd,	**1**
Hyundai Motor India Limited	**8**
Institute Of Industrial Design	**19**
Metropolitan Transport Corporation	**11**
Rajalakshmi Automobiles	**9**
Ratech Engineers, Ekattuthangal, Chennai	**2**

Renault Nissan Automotive India Pvt Ltd	1
Schwing Setter India Pvt Ltd	5
Super Auto Forge	4
Tvs Training & Services	3
Tata Motors	10
Turbo Power Engineering	9
Aaranya Biosciences, Chennai	7
Aavin	3
ACM Summer School 2018	1
Advanced Training Institute, Chennai	16
Air India	1
Airports Authority Of India	12
Amazon	1
All India Radio	1
Anderson Diagnostics & Labs	2
Apex Biotechnology Training And Research Institute	15
Aristogene Bioscience Bangalore	5
Armats Biotek, Chennai	31
Avanz Bio Pvt Ltd Chennai	20
Axles India Pvt Ltd	7
Barola Technologies	15
Basin Bridge Gas Turbine Power Station	14
Bhel,Ranipet	15
Biolim Centre Of Science & Tech	22
Brakes India Pvt Ltd	5
Bsnl	29
Capacite Infraprojects Limited	5
Cancer Institute Chennai	2
Indian Railways – Irimee- Carriage & Wagon Works	2
Central Drug Testing Laboratory	21
Central Food Technological Research Institute	3
Chennai Metro Rail Limited	7
Chennai Port Trust	24
Cheyyar Co-Op.Sugar Mills LTD	23
Central Leather Research Institute	6
Chennai Metro Rail Limited	4
ComStar Automotive Technologies Ltd.	4
Dr Enterprise Automotive Pvt Ltd	16
Ennore Thermal Power Station	9
Eppendorf India Limited	35
Ford India Pvt Ltd	8
Greaves Cotton Ltd	4
Indian Ordnance Factories: Heavy Alloy Penetrator Project – OFB	3
Highways Department	11
Integral Coach Factory – Indian Railways	47
Indian Council Of Medical Research	7

IIT Madras	7
Indian Institute Of Food Processing Technology, Thanjavur	11
Kaashiv Infotech	20
Kavin Bioresearch Chennai 600042	3
Kumaran Hospitals(P) Ltd.	5
L& T Construction, Chennai.	20
Lanson Toyota	6
Mbi Metallooys (Pvt.) Limited	5
Microsoft Research Community	2
Navin Housing & Properties Ltd	3
Neyveli Lignite Corporation Of India	6
Nokia Solutions Networks India Pvt Ltd	3
Pasteur Institute Of India	31
Pega Systems India Pvt Ltd	20
Provita Private Ltd	6
Public Works Department	15
Ramco Cement	3
Rane Engine Valve Ltd	7
Royal Enfield	7
Salim Ali Centre For Ornithology And Natural History , Coimbatore	5
Schneider Electric India Pvt Ltd	2
Schwing Setter India Pvt Ltd	5
Sentinal Radiologists Solutions	5
Space Designers & Constructions	7
Sri Ramachandra Medical College	3
Sri Amman Auto Works	5
TAFE	4
Tamilaga Arasu Building Research Station ,Taramani	8
Tamilnadu Slum Clearance Board	30
Tamil Nadu Generation And Distribution Corporation – TANGEDCO	7
Tamil Nadu Veterinary And Animal Sciences University	8
Taqa Neyveli Power Company Pvt Ltd	3
Tata Consultancy Services – Tcs	13
Tech Mahindra Limited	2
Tesla Minds	35
Tamil Nadu Agricultural University	117
Tuticorin Thermal Power Station	2
Tvs Sundram Fasteners Ltd	7
Uniq Technologies	106
Vedass Global Infrastructure & Projects Pvt Ltd	5
Zoho Corporation Pvt. Ltd	15
Zuci Systems - Skilled Digital Artisans	3
Wheels India Limited	3
Vernalis	2
Tata Motors	10

1.4 Feedback System				
1.4.1 Whether structured feedback received from all the stakeholders.				
1) Students	2) Teachers	3) Employers	4) Alumni	5)Parents
Yes	Yes	Yes	Yes	Yes

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

The feedback collected through various meetings and counselling sessions are studied thoroughly and categorised into groups pertaining to academics, facilities and administration. The set of feedback is discussed with the department concerned and appropriate remedial actions are suggested. An action taken report is collected after stipulated time. It is ensured to maintain so that the same grievance or feedback does not get repeated.

A 20 question feedback is collected exclusively for the courses taught in the current semester. Questions cover all aspects of Teaching-Learning concerns. Based on the summary of this score, faculty are counselled for the aspect to be improved. They are recommended for training programmes as appropriate.

An online feedback is obtained from each and every student where he can express his comments and suggestions for the overall improvement of the ambience and other issues.

Feedback from parents is collected during parent-teacher meetings which are regularly held after every internal assessment test and also when parents visit the institution for other matters. Appropriate measures are taken on genuine complaints and suggestions are considered for improvement.

Industry and Employer feedback are collected through students who are placed in various organisations and also during their visit to our campus for placements, guest lectures, workshops and board of studies meeting. These feedbacks are given utmost importance since they bring in the industry expectations from the students for their career. Appropriate training programmes are organised for the students and mentoring sessions are provided.

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received TNEA+MQ	Students Enrolled
B.E Aeronautical Engineering	**60**	**30+50**	**52**
B.E Automobile Engineering	**60**	**30+35**	**57**
B.E Biomedical Engineering	**120**	**60+70**	**116**
B.Tech BioTechnology	**120**	**60+65**	**109**
B.Tech Chemical Engineering	**60**	**30+36**	**52**
B.E Civil Engineering	**120**	**60+94**	**113**
B.E Computer Science and Engineering	**300**	**150+213**	**282**
B.E Electrical and Electronics Engineering	**180**	**90+96**	**166**
B.E Electronics and Communication Engineering	**240**	**120+127**	**215**
B.Tech Information Technology	**120**	**60+82**	**114**
B.E Mechanical Engineering	**240**	**120+151**	**244**
B.E Mechatronics	**60**	**30+37**	**64**
M.E. Computer Science & Engineering	**24**	**5**	**2**
M.E. Communication System	**18**	**3**	**3**
M.E. Embedded System	**18**	**7**	**4**
M.E. Engineering Design	**18**	**5**	**5**
M.E. Medical Electronics	**18**	**3**	**2**
M.E. Power Electronics & Drives	**18**	**1**	**1**
M.E Software Engineering	**18**	**-**	**-**
M.Tech. Bio-Technology	**18**	**13**	**11**
M.B.A. Master of Business Administration	**120**	**60+78**	**107**

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017-18	1596	135	378	20	32

2.3 Teaching - Learning Process					
2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data) : 100%					
Number of teachers on roll	Number of teachers using ICT *(LMS, e-Resources)*	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
430	430	o LCD projectors o Models o Videos	12	-	Moodle, NPTEL, Online journals, Khan Academy Materials

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)

STUDENTS COUNSELING :

ONE TO ONE COUNSELLING

In the department level, each faculty member is assigned a maximum of 20 students when they join the first year of the programme, for one to one counselling for monitoring and recording their progress in academic, as well as in other activities of their interest, till the end of the course. They are motivated to continuously improve their performance. Attendance of the students is also closely monitored by the counsellors and any other specific need of their students, including certain of their personal requirements are also looked into for suitable remedial action.

GENERAL COUNSELLING

A general counselling is also organised, at the middle of each semester. The students of all departments are called for one to one counselling by a faculty member from another department. Here again the student progress is discussed and any specific help needed in the teaching learning process as expressed by the students is noted and remedial action is taken. Thus the students are enabled to carry on with the academic program without any difficulty, perform well and produce good results. Difficulties pertaining to common amenities are also collected in this general counselling, which is collated and remedial actions are initiated.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
6244	**430**	**1 : 14.52**

2.4 Teacher Profile and Quality				
2.4.1 Number of full time teachers appointed during the year				
No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
54	**54**	**-**	**54**	**8**

2.4.2 Honours and recognitions received by teachers
(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2017	Dr.S.P.Srinivasan	Professor	Chairman, IIIE
2017	Dr. Suresh Chandra Khandai	Associate Professor	Ak-Edusat
2017	Dr.K.R.Sowmya	Professor and Head	Outstanding faculty in Management from Venus International Foundation
2018	Mr. R. Anbalagan	Assistant Professor (SG)	Best Paper Award in International Conference conducted by National institute of Technology, Tiruchirappalli
2018	Mr. A J D Nanthakumar	Associate Professor	Best Paper Award in International Conference conducted by National institute of Technology, Tiruchirappalli
2017 – 2018	*Dr. N. Hema*	Professor, English	Member for drafting syllabus in English for both secondary and higher secondary board of education , Government of Tamil Nadu.
2018	Mrs. Priya Vijay	Associate Professor	Active Participation Award – CSI
2018	Dr. P. Kumar	Professor	Longest Continuous SBC Award-CSI
2018	Mrs. Priya Vijay	Associate Professor	KPIT Innovation award
2017	Mr. B. Bhuvaneswaran	Assistant Professor	Best Educator Award
2018	Mr. K. Sibi	Assistant Professor	KPIT Innovation award
2018	Mr. B. Bhuvaneswaran, Mrs. Priya Vijay, Mrs. D. Sorna Shanthi, Mr R.Vijayakumar	Associate Professor	Gold Medal at Inspire Faculty Awards
2018	Mr. Gnanavel, Ms. P.Sivaranjani, Dr. Karthikeyan,	Assistant Professor	Bronze Medal at Inspire Faculty Awards

	Mr. Suresh kumar, Dr. K. Jayashree, Mrs. Akiladevi, Mrs. S.Dhivya		
2017	Dr.V.Gayathri	AP (SS)	iGEM JUDGE
2018	Mrs.L.Priya	Associate professor	Best Women Academician of the year 2017 given by Charis Christy, Director of IIC and Kamal Pushkar , CEO of I3Cubes
2017	Mr.G.Rajesh Kannan	Assistant Professor	CSI - Active Participant Award YOUTH Category1
2017	Mr.G.Rajesh Kannan	Assistant Professor	Inspire 2017: Faculty Excellence Award (Silver)
2017	Mr.R.Babu	Assistant Professor	Inspire 2017: Faculty Excellence Award (Silver)

2.5 Evaluation Process and Reforms				
2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year : **30 days**				
Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year-end examination
All Courses		Odd Semester - Autonomous	10.01.2018	02.02.2018
		Odd Semester – Anna University	24.11.2017	30.12.2017
		Even Semester - Autonomous	23.05.2018	27.06.2018
		Even Semester - Anna University	19.05.2018	31.08.2018

2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year *Do not include re-evaluation/ re-totalling* *NIL*		
Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nil	NA	NA

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

- http://www.rajalakshmi.org/dept-aero-outcomes.php
- http://www.rajalakshmi.org/dept-ame-outcomes.php
- http://www.rajalakshmi.org/dept-bme-outcomes.php
- http://www.rajalakshmi.org/dept-biotech-outcomes.php
- http://www.rajalakshmi.org/dept-civil-outcomes.php
- http://www.rajalakshmi.org/dept-cse-outcomes.php
- http://www.rajalakshmi.org/dept-eee-outcomes.php
- http://www.rajalakshmi.org/dept-ece-outcomes.php
- http://www.rajalakshmi.org/dept-it-outcomes.php
- http://www.rajalakshmi.org/dept-mech-outcomes.php
- http://www.rajalakshmi.org/dept-mechatronics-outcomes.php
- http://www.rajalakshmi.org/dept-mba-outcomes.php

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
NA	B.E Aeronautical Engineering	52	51	98.08
NA	B.E Automobile Engineering	67	66	98.51
NA	B.E Biomedical Engineering	60	58	96.67
NA	B.Tech BioTechnology	118	118	100
NA	B.E Civil Engineering	134	106	79.10
NA	B.E Computer Science and Engineering	224	202	90.18
NA	B.E Electrical and Electronics Engineering	167	154	92.22
NA	B.E Electronics and Communication Engineering	214	182	85.05
NA	B.Tech Information Technology	103	98	95.15
NA	B.E Mechanical Engineering	257	243	94.55
NA	M.E. Computer Science & Engineering	3	3	100
NA	M.E. Communication System	3	3	100
NA	M.E. Embedded System	4	4	100
NA	M.E. Engineering Design	1	1	100
NA	M.E. Medical Electronics	4	4	100
NA	M.E. Software Engineering	1	1	100
NA	M.Tech. Bio-Technology	7	7	100
NA	M.B.A. Master of Business Administration	114	106	92.98

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

http://www.rajalakshmi.org/IQAC/20PointFeedbackForm.doc

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION			
3.1 Promotion of Research and Facilities			
3.1.1 The institution provides seed money to its teachers for research, Yes			
Yes.......... No. .... if yes give details			
Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant
Dr. Suresh Chandra Khandai	Rs. 25,000	2017	1 Year
Dr.V.Santhanam	Rs 4500	2017-2018	1 year
Mr.S.Ramkumar	Rs 2500	2017-2018	1 year
Mr. B. Bhuvaneswaran	Rs 35000/-	2017	1 Year
Dr. P. Kumar	Rs 30000/-	2017	1 Year
Dr.V.Gayathri	Rs.20,000/-	2017	1 Year
Dr. M.G.Uma Mageshwari	Rs 10,000	2017-2018	1 year

3.1.2 Teachers awarded National/International fellowship for advanced studies/ research during the year				
	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National	-	-	-	-
International	-	-	-	-

3.2 Resource Mobilization for Research				
3.2.1 a. Research funds sanctioned and received from various agencies, industry and other organisations				
Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects	2 Years	CVRDE, Avadi	Rs 17,67,645	
Major projects	3 years	DST	Rs 33 Lakhs	NIL
Major projects	2 years	DST-SERB	Rs 20,94,090	Rs 3,40,000 (Received on 31.8.17)
Major projects	2 years	DRDO-NRB	Rs 20,15,887	Rs 6,36,024 (Received on 04.10.17)
Minor Projects	1 Year	REC, RANE TRW Steering systems & Janta Roadways	Rs 5,00,000	Rs 1,00,000
Minor Projects	6 MONTHS	TNSCST	Rs 10,000	Rs 10,000
Minor Projects	2 Years	UGC	Rs.1,34,000	Rs.94,000/-

Industry sponsored Projects	Dec 2017 – Till date	Sentinel Radiology solutions	3.25 Lakhs	1.5 Lakhs
Industry sponsored Projects	6 Months	ISRO	Rs 3,00,000/-	Rs. 3,00,000/-
Industry sponsored Projects	6Months	DUPONT EPPENDORF	Rs 10,000 Rs 50,000	Rs 10,000
3.2.1 b. Projects sponsored by the University/ College				
REC Sponsored	1 year	REC	Rs 25,000	Rs 25,000
REC Sponsored	3 months	REC	Rs 6,000	Rs 6,000
REC Sponsored	3 months	REC	Rs 10,000	Rs 10,000
Students Research Projects *(other than compulsory by the College)*				
	3	REC	Rs 10,000	Rs 10,000
	6 Months	TNS & TCN	Rs.10000/-	Rs. 10000/-
Others				
	2 Months	AICTE SEMINAR	Rs.1,00,000	Rs.1,00,000
	2 yrs	AICTE-MODROBS	Rs 10,50,000	Rs 8,40,000
Total				

3.2.2 Number of ongoing research projects per teacher funded by government and non-government agencies during the year   - 0.14

3.3 Innovation Ecosystem		
3.3.1 Workshops/Seminars Conducted on Intellectual Property Rights **(IPR)** and Industry-Academia Innovative practices during the year		
Title of Workshop/Seminar	Name of the Dept.	Date(s)
5S and Kaizen	Mechanical Engineering	12.02.2018
Integrated Bluetooth Controlled Pick and Place Buggy	Mechanical Engineering	16.03.2018 & 17.03.2018
Challenges and future Indian Space Programmes	Aeronautical Engineering Department	31.Aug.2017
Technical Lecture	Aeronautical Engineering Department	08.Jan.2018
Composite Manufacturing and applications	Aeronautical Engineering Department	29.Mar.2018
20 days course on " Industrial automation	EEE	1/2/2018 to 25/2/2018
workshop on "Quadcopter development"	EEE	14/03/2018 & 15/10/2018
Power Management under TI India University Program	EEE	5/01/2018 & 6/01/2018
MATLAB/SIMULINK WITH REAL TIME ARDUINO INTERFACING	EEE	19/09/2017 & 20/09/2017
Training on ASLK training Kit	EEE	16/02/2018 and 17/02/2018
Data Analytics Techniques to predict Epidemics from public health records	CSE	22nd Sept and 23rd Sept 2017

Protection Domination & E-Discovery prototype- A Hostile Approach through Cloud Computing Field	CSE	18th and 19th August 2017
Foundation Program in ICT for Education	CSE	3rd August – 7th September 2017
Pedagogy for Online and Blended Teaching-Learning Process	CSE	14th Sept – 12th October 2017
Two Week ISTE STTP on Electric Power System	CSE	10th July – 15th July 2017
FOOD TECHNOLOGY CONFERENCE	BIOTECHNOLOGY	23-25/03/17
BIOINFORMATICS WORKSHOP	BIOTECHNOLOGY	15/9/17-16/9/17
HPLC WORKSHOP	BIOTECHNOLOGY	12/06/18

3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year				
Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Teaching Awards	Stafford University UK	Education Matters		Teaching in Engg
SMART CASE	J.Shyamsundar R.Subramaniam S.Venkatasubramaniam	I-Quest -2018 Winners Rajalakshmi Engg College	28 Feb 2018	Stream Level
Universal Gripper	Shanbagapandian.B Shivasankar.B	I-QUEST -2018 Winners RAJALAKSHMI ENGG COLLEGE	28 FEB 2018	STREAM LEVEL
i-Quest'2018	Marudhavanan S Mukesh B Surendar A Shakthi Uma Devi S Madhuvanth G Praveen Kumar T R	REC	28.Feb.2018	Innovative Project Presentation
Smart City	P.Sunitha Devi, J.Vidhya Sri, C.Priyadharshini, G.Prema	Sri Vishnu Engineering College for Women(Autonomous), Andhra Pradesh	06-07-2017 to 08-07-2017	Second Prize in Project Presentation
Women Safety Application	Mr.R.Yogeswaran	Easwari Engineering College, Chennai, Tamilnadu	12-09-2017	First Prize in Project Presentation

SMILE: Smart Mobile Application to improve language skills	Mr.Sai Prasanth, Ms.T.V.Srruthi, Mr.P.Vibin	KLN Engineering College, Madurai, Tamilnadu	08-07-2017	Second Place in Project Presentation
Electric Energy Generation From Waste Wind of High Rating Air Conditioners	Dr.A.Selvaraj	PALS IIT Alumni Leadership Series	7/4/2018	Engineering
Dust Free chalk Board Eraser and Visualizer	Saran B, Karthik B	REC-IPC	7/03/2018	Engineering
Electric Energy Generation From Waste Wind of High Rating Air Conditioners	Arunagiri K, Aravind K, Adhithia R Dinesh Kumar S	PALS IIT Alumni Leadership Series	7/4/2018	Engineering
International Women Researchers Connect and Awards – 2018	Dr. D. Udhayakumari	Arunai International Research Foundations, Thiruvannamalai	March 08, 2018	Highest Research paper publication
A novel method to find changes in body fluids based on weight	Ajay Nair , Dhileep V , Danish Rajkumar	Dr.A.P.J Abdul kalam Innovative Project cell , REC	28th Feb 2018	Prof V.N. Srinivasan award - First runner up among BME,Biotech and Chemical Engg stream
KPIT Innovation award	Mrs. Priya Vijay and Mr. K. Sibi	KPIT	31st March 2018	Smart India Hackathon
IoT Innovation Challenge	Ms. KV. Meentachi and Ms. T. Poornima	NASSCOM	15th Sept 2017	Hackathon
New India Student Championship – National Winners	REC	ICT Academy and Salesforce	3rd Feb 2018	Learnathon
KPIT Innovation award	Chahat Agarwal, Tharun, Kaviarasu, Janar Priyanka, Yaseen and varun P.K	KPIT	31st March 2018	Smart India Hackathon
TEXTILE DYE TREATMENT	SRIRAM KATHEEJA	DBT ABLE IIT PALS	0704/17 15-	

			16/03\17	
Development of urban housing with foamed light weight hemp concrete blocks	Gavin Joseph,Nivedha Devi.S (IV Year)	I QUEST	March 2018	Best Project

3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year		
Incubation Centre	Name	Sponsored by
1	REC – Innovation & Incubation Cell	REC
Name of the Start-up	Nature of Start-up	Date of commencement
Retreat Technologies	Social Networking	July 2017
Engineerji	Internship Services	August 2017
Libro	Printers	January 2018
Hexamart	Stationery shop	February 2018

3.4 Research Publications and Awards	
3.4.1 Ph. Ds awarded during the year	
Name of the Department	No. of Ph. Ds Awarded
Mechanical	1
Mechatronics Engineering	2
Electrical and Electronics Engineering	2
Humanities and Sciences	3
Computer Science & Engineering	2
Bio Technology	3

3.4.2 Research Publications in the Journals notified on UGC website during the year			
	Department	No. of Publication	Average Impact Factor, if any
National			
	BT	3	
	H&S	2	
	ECE	21	
International			
	Aero	2	
	Auto	9	
	BME	2	
	BT	9	
	Chemical	2	
	H&S	14	
	Civil	3	
	CSE	31	
	ECE	14	
	EEE	24	
	IT	15	

	MBA	7	
	Mech	14	

3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year	
Department	No. of publication
Information Technology	Books : 1
Automobile	Book Chapter : 1
CSE	Books : 1
Civil Engineering	National conferences-4 International Conferences-24 International Journals-13(3 Scopus indexed)
Aero	International Conferences - 1
BME	International Conferences - 6 National conferences 1
BT	National conferences 9
Civil	International Conferences 2
CSE	International Conferences 8
ECE	International Conferences 7
EEE	International Conferences 1
IT	International Conferences 8 Books : 2 Chapter : 1
MBA	International Conferences 1 National conferences 2 Books : 1
Mech	International Conferences – 3

3.4.4 Patents published/awarded during the year			
Patent Details	Patent status Published/ Filed	Patent Number	Date of Award
A Seed And Fertilizer Embeded Food Beverage Container For Spreading Seeds	Filed	201741018513 & 26.05.2017	Yet to be awarded
A method for operating optimal assembly sequence in an indexing table using genetic algorithm	Filed	201741012118A 21/04/2017	Yet to be awarded
Design of active catalytic converter system to reduce cold start emission from automobiles	Filed	Application No.: 201741031172A Date: 02.09.2017	Yet to be awarded
A Real time adaptable damper	Filed	Application No.201741036049A Date: 11.10.2017	Yet to be awarded

3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index						
Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations/ Impact Factor
Review of water based vapour absorption cooling systems using thermodynamic analysis	Dr. Natteri M Sudharsan	Renewable and Sustainable Energy Reviews	2017	2018 – 1	Department of Mechanical Engineering, Rajalakshmi Engineering College(Anna University), Chennai, India	01
Ni-P Coated Glass Fiber/Al2O3 Nanowire Reinforced Vinyl Ester Composite	Dr. N Venkateshwaran	Polymer	2017	2017 – 1 2018 – 2	Department of Mechanical Engineering, Rajalakshmi Engineering College, Chennai 602105, India	3
Dynamic mechanical, thermal and wear analysis of Ni-P coated glass fiber/Al2O3 nanowire reinforced vinyl ester composite	Dr. N Venkateshwaran	Alexandria Engineering Journal	2017	2018 – 1	Department of Mechanical Engineering, Rajalakshmi Engineering College, Chennai 602105, India	1
Inventory transparency for agricultural	Dr. S P Srinivasan	IOP science	2017	2018 – 1	Professor and Head, Department of	01

Title	Author	Journal	Year	Citation	Affiliation	Count
produce through IOT					Mechanical Engineering, Rajalakshmi Engineering College, India	
Microstructure and mechanical properties of Ti (C, N) based cermets reinforced with different ceramic particles processed by spark plasma sintering	Mr. E Shankar	Ceramics International	2017	2017 – 1 2018 – 5	Department of Mechanical Engineering, Rajalakshmi Engineering College, Thandalam, Chennai 602105, India	6
Influence of WC and cobalt additions on the micro structural and mechanical properties of TiCN-Cr3C2-nano- TiB2 cermets fabricated by spark plasma sintering	Mr. E Shankar	International journal of refractory metals and hard materials	2017	2018 – 2	Department of Mechanical Engineering, Rajalakshmi Engineering College, Thandalam, Chennai 602105, India	2
Comparative analysis of winglets fitted on aircraft model	Dr.Muthusamy.N	International Journal of Mechanical Engineering & Technology	Sep 2017	-	Rajalakshmi Engineering College	-
Numerical analysis of two-dimensional wing with trailing edge flap	Shakthi Uma Devi,S., Pracheesh P., and Thirumalai Kumar M., Mrs.Surekha Rathi Samundi	International Journal of Pure and Applied Mathematics	June, 2018	-	Rajalakshmi Engineering College	-

	D.,					
Impact of surface adaptation and Acacia nilotica biofiller on static and dynamic properties of sisal fiber composite	P Vimalanathan, N Venkateshwaran, SP Srinivasan, V Santhanam, M Rajesh	International Journal of Polymer Analysis and Characterization	2018		Rajalakshmi Engineering College	0
ELEKTRA smart power monitoring system using Internet of Things	Ms. A. Dyanaa	International Journal of Advanced Research in Computer Engineering & Technology	Aug-17		Rajalakshmi Engineering College	
Segmentation of Images Using Different Aggregation Steps	Dyanaa.A, Ms.Sindhuja.M, Ms.Srruthi TV, Varsha Chandran V	International Journal of Modern Engineering Research	Nov-17		Rajalakshmi Engineering College	
Utlp Based Automatic Toll Tax Collection System Using Rfid Technology	Venkatesh Prasad.R ,Vasanthakumar.S , S.Visalaxi	IOSR Journal of Computer Engineering (IOSR-JCE)	Dec-17		Rajalakshmi Engineering College	
Online opinion mining system to predict the quality of state uniform system of education	M. Kathiravan	The online journal of distance education and e-learning	Jan-18		Rajalakshmi Engineering College	
A Bivariate Predictor Approach for Public Cloud Migration of Enterprises in	Mrs.S.Pramila,Mr.M.Ashok,Dr.S.Poonkuzhali	International Journal of Information Technology and Computer Sciences	Dec-17		Rajalakshmi Engineering College	

the Year 2020		Perspectives				
Node discovery with development of routing tree in wireless networks	Vijayaraj. A, Suresh R. M., and Poonkuzhali. S	Cluster Computing -Springer	Oct-17	31	Rajalakshmi Engineering College	2.1
An assessment on domain ontology-based information extraction techniques	M. Mehfooza, V. Pattabiraman	International Journal of Services Technology and Management	Nov-17		Rajalakshmi Engineering College	0.3
A Rehabilitation Method For Developing A Biped Humanoid Robot For Training Autistic Children	A. Raisha Banu,R. Srinath, N. Srinivasan	International Journal of Pure and Applied Mathematics	Dec-17		Rajalakshmi Engineering College	0.23
Analysis Of Supervised Machine Learning Techniques On The Application Of The Indian Coastal Dataset	Mehfooza. M, Pattabiraman. V	International Journal of Pure and Applied Mathematics	Feb-18		Rajalakshmi Engineering College	0.23
Mining Comparative Reviews from Web to Rank Competitors Status for Business Intelligence	Kathiravan.M and Bhalaji.N	International Journal of Pure and Applied Mathematics	Feb-18		Rajalakshmi Engineering College	0.23
Proportionate Approach for Retrieving	Gnanasambandhan P and	International Journal of Pure and Applied	Feb-18		Rajalakshmi Engineering	0.23

					College	
Relevant Web Documents by using Outlier DetectionMethod	Poonkuzhali S	Mathematics			College	
Review and Framework for Mining Diverse Patterns on Web Log Files	Gnanasambandhan P and Poonkuzhali S	International Journal of Pure and Applied Mathematics	Feb-18		Rajalakshmi Engineering College	0.23
Evaluating the Influence of Forest Area Over Rainfall in India using Data Mining	A.Irumporai, K.Poornimathi, J.Anitha, S.Visalaxi	International Journal of Pure and Applied Mathematics	Feb-18		Rajalakshmi Engineering College	0.23
Android App to provide Context and Mood Based Music Recommendation	Poonkuzhali.S, Sindhuja M and Mohana E	International Journal of Pure and Applied Mathematics	Feb-18		Rajalakshmi Engineering College	0.23
Streaming Classification Hoeffding Tree of Diabetes Mellitus using Boosting	Jeyalakshmi J, Poonkuzhali S, Sree Subha S and Mohana E	International Journal of Pure and Applied Mathematics	Feb-18	21	Rajalakshmi Engineering College	0.23
Posture Based Health Monitoring and Unusual Behaviour Recognition System for Elderly using Dynamic Bayesian Network	G.Anitha, S.Baghavathipriya	Cluster Computing-Springer	Feb-18	31	Rajalakshmi Engineering College	2.1

A Robust Fall Detection System using Deep Learning	Durgadevi K, Anitha G, Baghavathipriya S	3rd International Conference on Computer and Management (ICCM2017), Apex institute of Engineering and Technology, Sitapura, Jaipur, Rajasthan	Dec-17		Rajalakshmi Engineering College	
Smart-EVM using Multi-model Biometrics with embedded security	Pavithra R , Sharath kumar N ,Siddhartha P , Anitha G	3rd International Conference on Computer and Management (ICCM2017), Apex institute of Engineering and Technology, Sitapura, Jaipur, Rajasthan	Dec-17		Rajalakshmi Engineering College	
In Pursuit of Opt Fuzzy Membership Function to Predict the Spatial Dataset in the Domain Expert Perception	Mehfooza. M, Pattabiraman. V	Third International Conference on Advances in Industrial Engineering Applications,ICAI EA 2018, conducted by Anna University, Chennai	Jan-18		Rajalakshmi Engineering College	
A Road map to Bigdata and Machine Learning	S.Subha, S.Baghavathi Priya	International Conference on Computers and Management(ICC M 2017) at Kota	Dec-17		Rajalakshmi Engineering College	
IOT based Interactive Smart Refrigerator	N.G.Murali, S.Aarthi, M.Ethiraj, S.Baghavathi	3rd International Conference on Computers and Management(ICC	Dec-17		Rajalakshmi Engineering College	

	Priya	M 2017) at Kota				
Survey on machine learning methods for bigdata applications	A.Vinothini, S.Baghavathi Priya	Proceedings of IEEE conference ICCIDS 2017	Feb-18		Rajalakshmi Engineering College	
Avert Traffic Violations By Automatic License Plate Detection Using Deep Learning Technique	Preethi S, Madhan Kumar P, Pradeep S, Anto Arockia Rosaline R	3rd International Conference on Computers and Management(ICCM 2017) at Kota	Dec-17		Rajalakshmi Engineering College	
Prevention Of Bike Accidents Using An Intelligent Helmet	Vignesh P.N, Anto Arockia Rosaline R, Barath M, Athar Zafeer K A	3rd International Conference on Computers and Management(ICCM 2017) at Kota	Dec-17		Rajalakshmi Engineering College	
Diabetes Mellitus Risk Factor Prediction through Resampling and Cost Analysis on Classifiers	J.Jeyalakshmi, S.Poonkuzhali and S.SreeSubha	52nd Annual Convention of Computer Society of India (CSI-2017) as Indian National IT Congress on Social Transformation – Digital Way at Kolkata, India	Jan-18		Rajalakshmi Engineering College	
Effective TOXIN management-An IoT based approach	L.Priya, G.Rajesh kannan, J.Sheik Mohamed Meera	International Journal of Pure and Applied Mathematics	Mar-18	21	Rajalakshmi Engineering College	0.23
Load Balancing in wireless networks using reputation-ReDs in the magnified distributed hash	A. Vijayaraj, R.M.Suresh,S.Poonkuzhali	Multimedia Tools Applications	Mar-18	45	Rajalakshmi Engineering College	1.42

table						
Automation of Concept Map Generation using Correlation and Stop Word Identification	R. Kumar	International Journal of Advances in Computer and Electronics Engineering	June, 2018		Rajalakshmi Engineering College	
PERFORMANCE STUDIES ON DIESEL ENGINE USING BLENDS OF COCONUT DE-OILED CAKE AND METHYL ESTERS OF JATROPHA	K. Bhaskar	Rasayan Journal of Chemistry	2017		Professor, Automobile Engineering	
Comparative performance studies on DI diesel engine with neem de-oiled cake and Jatropha methyl ester diesel blends	K. Bhaskar	World Journal of Engineering	2017	0.23	Professor, Automobile Engineering	3
Aluminium Phosphate Supported Copper Phosphate Catalytic Converter to Reduce Nitrous Oxides and Particulate	K. Bhaskar	ORIENTAL JOURNAL OF CHEMISTRY	2017		Professor, Automobile Engineering	13

Matter from Engine Emission						
ANALYSIS OF PERFORMANCE, COMBUSTION AND EMISSION CHARACTERISTICS ON BIOFUEL OF NOVEL PINE OIL	K. Bhaskar	Rasayan J Chem	2017	15	Professor, Automobile Engineering	5
REDUCTION OF NOX AND OPACITY FROM DIESEL ENGINE WITH DIMETHYL CARBONATE AND ISOPROPYL ALCOHOL	K. Bhaskar	Rasayan J Chem	2017	15	Professor, Automobile Engineering	
Performance and emission characteristics of a diesel engine with Diesel Premixed Compression Ignition and exhaust gas recirculation	K. Bhaskar	Heat transfer and Asian Research	2017	17	Professor, Automobile Engineering	

REDUCTION OF NOX AND OPACITY FROM DIESEL ENGINE WITH DIMETHYL CARBONATE AND ISOPROPYL ALCOHOL	K. Bhaskar	Rasayan Journal of Chemistry	2017		Professor, Automobile Engineering	
Studies on the enhancement of diesel engine combustion and reduction of emissions through the use of polymer based additives	K. Bhaskar	Journal of Heat and Mass Transfer	2017		Professor, Automobile Engineering	
EFFECT OF DIMETHOXY-METHANE (C3H8O2) ADDITIVE ON EMISSION CHARACTERISTICS OF A DIESEL ENGINE FUELED WITH BIODIESEL	K. Bhaskar	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2018		Professor, Automobile Engineering	3
Experimental studies on the performance and emission characteristics of a compression	K. Bhaskar	Journal of Mechanical Engineering and Sciences	2018		Professor, Automobile Engineering	

ignition engine fuelled with jatropha oil methyl ester						
EFFECT OF PREMIX AND EXHAUST GAS RECIRCULATI ON ON THE EMISSION CHARACTERIS TICS OF BIODIESEL FUELED ENGINE	K. Bhaskar	GEOLOGY AND TECHNICAL SCIENCES	2018		Professor, Automobile Engineering	
An Analysis on Sport Utility Vehicles Development in India and Its Safety	K. Bhaskar	International Journal of Engineering Research And Management	2018		Professor, Automobile Engineering	
Journal of computational & theoritical nanoscien Cost Optimization and Voltage Control of a Power System Using Genetic Algorithm ce	Thirusenthil kumaran & Kamalakannan	Journal of computational & theoritical nanoscience	Jul-17		St peters Institute of Higher Education and Research. St'Peters Univesity.	
FPGA Implementation of Binary Quasi Cyclic LDPC Code with Rate 2/5	Arulmozhi, Nandini	International Journal of Innovative Research in Science, Engineering and Technology	Aug-17		Rajalakshmi Engineering College	

Improved single element resistive sensor-to-microcontroller interface	Ponnalagu RN	IEEE Transactions on Instrumentation and Measurement journal	Sep-17		IIT Madras	
Smart Irrigation System with GSM Module using Dc-dc Converter with Regenerative Snubber	Sivaraman PR	International Journal of Emerging Trends in Science and Technology	Oct-17		St peters Institute of Higher Education and Research. St'Peters Univesity.	
Analysis & Design of single phase power Factor Correction with DC-DC SEPIC converter for fast dynamic response using GA optimized PI controller	Umamaheswari MG	IET Circuits, Devices and Systems	Oct-17		Rajalakshmi Engineering College	
Performance Analysis of Wind Driven Generators Supplying an Isolated Load	Santhanakrishnan T	Journal of Computational and theoretical nanoscience,	December 2017.		Rajalakshmi Engineering College	
Load Flow Analysis using Generalized Hopfield Neural Network	Veerapandiyan.V & Mariammal.T	IET Generation, Transmission & Distribution	Dec-17		Rajalakshmi Engineering College	
A New Control Strategy for PMSG Based Wind Energy Conversion	Kalaivani.R, Veerapandiyan.V, Vidhyasagar.V0.	Journal of Electrical Engineering	Dec-17	0.643	Rajalakshmi Engineering College	10

System Feeding Microgrid						
Application of hybrid optimization technique for tuning PI controller in LabVIEW-Multisim integrated DC-DC converter	Mariammal.T	Journal of Electrical Engineering	January 2018.		VIT University	
"Genetic algorithm based analysis of wind driven parallel operated self excited induction generators supplying isolated loads"	Essakiraj. R, Kamalakkannan. C	IET Renewable power generation	Feb-18	50	St peters Institute of Higher Education and Research. St'Peters Univesity.	
"Antlion Algorithm Optimized Fuzzy PID Supervised Online Recurrent Fuzzy Neural Network Based Controller for Brushless DC Motor"	Premkumar.K	Electric Power Components and Systems,	February 2018.		Rajalakshmi Engineering College	
"Stability and Performance Analysis of ANFIS Tuned PID Based Speed Controller for Brushless DC Motor"	Premkumar.K	Current Signal Transduction Therapy, Bentham Science Publishers	Mar 2018,		Rajalakshmi Engineering College	

Analysis and design of single-phase power factor corrector with genetic algorithm and adaptive neuro-fuzzy-based sliding mode controller using DC-DC SEPIC	Umamaheswari M.G	Neural Computing and Applications	Mar-18		Rajalakshmi Engineering College	
"Genetic Algorithm based PI controller for dc-dc converter applied to renewable energy applications"	Sivamani.D,Essak iraj.R	International Journal of Pure And Applied Mathematics, Academic Publications Ltd	Mar-18		Rajalakshmi Engineering College	
A Hankel matrix reduced order SEPIC model for simplified voltage control optimization and MPPT	Lekshmi Sree.B, Umamaheswari M.G	Solar Energy	May-18		Rajalakshmi Engineering College	
Modified composite power control strategy for grid connected wind-PV systems with unbalanced nonlinear current	Sivakumar.P	International Transactions on Electrical Energy Systems	May-18		Rajalakshmi Engineering College	
Communicative Ability of Professional Students - An	Mrs. Latha Viswanath	International Journal of English:Literature, Language & Skills	July, 2017		Rajalakshmi Engineering College	

Intensive Study						
Bioinert nano yttria stabilized zirconia coatings on 316L SS for dental applications	S. Mohandoss, S. Suresh kumar, V. Balasubramani, B. Venkatachalapath y, T.M.Sridhar	Journal of Ceramic Processing Research	August, 2017		Rajalakshmi Engineering College	
Semi - Strong Setsin a Graph	V. Praba, P. Aristotle & V. Swaminathan	International Journal of Latest Engineering and Management Research (IJLEMR)	August, 2017		Rajalakshmi Engineering College	
Nano-Silica Catalyzed Synthesis, Solvent Effect, NMR Spectral and DFT Studies of Some Imidazole Derivatives	S.Mohan, P. Navamani, K. Jayamoorthy & N. Srinivasan	Silicon	August, 2017	Scopus	Rajalakshmi Engineering College	0
Growth, structural, optical, mechanical and quantum chemical analysis of unidirectional grown bis (guanidinium) 5-sulfosalicylate (BGSSA) single crystal	R. Sreedevi, G. Saravana Kumar, K. Amarsingh Bhabu, T. Balu, P. Murugakoothan, T.R. Rajasekaran	Physica B: Condensed matter	Dec. 2017	Scopus	Rajalakshmi Engineering College	-
Chromogenic and fluorogenic chemosensors for lethal	Dr. D. Udhayakumari	Sensors and Actuators B: Chemical	Dec. 2017	Scopus	Rajalakshmi Engineering College	0

cyanide ion. A comprehensive review of the year 2016						
Fluorescence Quenching of ß - Casein by Silver Nanoparticles and Copper Nanoparticles in Presence of Sugars: A Quantitative Exploration	V. Vasumathi, J. Santhanalakshmi	Asian Journal of Chemistry	2018	Scopus	Rajalakshmi Engineering College	
HOMO-LUMO analysis of multi walled carbon nanotubes doped Tetrafluoro Phthalate crystals for nonlinear optical applications	B. Latha, P. Kumaresan, S. Nithiyanantham & K. Sampathkumar	Journal of Molecular Structure	Jan. 2018	Scopus	Rajalakshmi Engineering College	1
Vickers micro hardness and etching studies of L-arginine semi-oxalate single crystal for optoelectronic applications	P. Vasudevan	Optoelectronics and Advanced Materials-Rapid Communications	Feb. 2018	Scopus	Rajalakshmi Engineering College	-
The Upper and Forcing Connected Edge-to-Vertex Detour Number of a Graph	V. R. Sunil Kumar	International Journal of Advaced Research in Dynamical & Control Systems	Feb. 2018	Scopus	Rajalakshmi Engineering College	-
Growth , Electrical,	B. Latha, P. Kumaresan, S.	Chemical Science Transactions	Jan. 2018		Rajalakshmi Engineering	-

					College	
Thermal, Optical, Physiochemical and NLO Properties of Dyes Doped Tetrafluoro Phthalate Crystals	Nithiyanantham & K. Sampathkumar				College	
Chromatic Resolving Dominator (Color class domination) Partition of A Graph	V. Praba, P. Aristotle & V. Swaminathan	Mathematical Sciences International Research Journal	March, 2018	-	Rajalakshmi Engineering College	-
Effect of CO-deposited Co(HCP) and Co (FCC) on magnetic property of Co-Ni soft magnet film prepared by Pulsed Electrodeposition	Mohandraj Anand Raj, Dhanapal Kumarasana, Stephen Arumainathana	Materials today: proceedings	2018	scopus	Rajalakshmi Engineering College	-
Oxide Tiling System and Oxide Wang System	P. Helen vijitha, Robinson Thamburaj	Internation Journal of Current Trends in Engineering & Technology	March 2018	-	Rajalakshmi Engineering College	-
Vitamin B6 Cofactor Based Chromogenic and Fluorogenic Probes for Detection of Various Analytes	D. Udhayakumari	Sensor Letters	June, 2018	Scopus	Rajalakshmi Engineering College	
Electrochemical,	R. Manonmani,	Surface	June,	Scopus	Rajalakshmi	0

mechanical and osseointegration evaluation of NBPC-coated 316L SS by EPD	S.P. Vinodhini, B. Venkatachalapathy & T.M. Sridhar	Engineering	2018		Engineering College	
Detection of Septic Arthritis using Meta Heuristic Algorithms	Jobin Christ M C, Lakshmi Narayanan A and Rahul Krishnan	Journal of Arthritis	Nov 2017	doi: 10.4172/ 2167-7921.100 0259	REC	2
Early Stage Detection of Psoriatic Arthritis Using SPECT and FDG-PET/CT	Shanthi Priya A and Jobin Christ M	Journal of Arthritis	Nov 2017	DOI: 10.4172/ 2167-7921.100 0263	REC	2
Retrofitting the Public Transport System for Visually Impaired Users in Smart Cities	Rahul Krishnan, Jobin Christ M C and Vanaja.S	International Journal Of Advanced Research In Management, Architecture, Technology And Engineering (IJARMATE)	December 2017	ISBN : 978-81-910-747-5-8	REC	3
HD video transmission on UWB networks using H.265 encoder and anfis rate controller	S.Gnanavel	Cluster Computing The Journal of Networks, Software Tools and Applications	2017	0	Rajalakshmi Engineering College	0
Feature Selection Techniques for Prediction of Neuro-Degenerative Disorders: A Case-Study with Alzheimer's And Parkinson's Disease	K. Tejeswinee	Procedia Computer Science, Elsevier	2017	0	Rajalakshmi Engineering College	0

Title	Author	Journal	Year		Institution	
Prediction of rescuable cancer mutants in p53 mutation network using centrality measures	P.Nancy	Int. J. of Biomedical Engineering and Technology	2017	0	Rajalakshmi Engineering College	0
Sentiment Analysis On Gst In Social Mediausing R	N.DuraiMurugan	Journal of Advanced Research in Dynamical and Control Systems Vol. 9. Sp– 17 / 2017	2017	0	Rajalakshmi Engineering College	0
Smart Secure Door Lock System using IoT and Eigenface Approach	R.Reeta	International Journal of Creative Research Thoughts (IJCRT)	2017	0	Rajalakshmi Engineering College	0
Integrated Detection of Open Drainage and Overflow, Current leakage and rbage monitoring in IOT Environment	R.Akila devi	International Journal of Creative Research Thoughts (IJCRT)	2017	0	Rajalakshmi Engineering College	0
Monitoring Unusual/Abnormal Behavior of Social Media Users	E.Surya,P.Sivaranjini	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2017	0	Rajalakshmi Engineering College	0
A Competent IoT Based Security Model for Smart Abode	S.Ponmani, Roxanna Samuel	International Journal of Creative Research Thoughts (IJCRT)	2017	0	Rajalakshmi Engineering College	0
SEM Image Analysis of Epoxy-multiwall carbon nantubes Using MATLAB	Dr.B.S.Charulatha	IIT,RURKE	2017	0	Rajalakshmi Engineering College	0
Web Page Categorization through Data	P.Revathy	International Journal of Scientific Research	2017	0	Rajalakshmi Engineering College	0

Mining Classification Techniques on URL Information		in Science, Engineering and Technology(IJSRS ET)				
DYNAMIC TRAFFIC CONTROL SYSTEM USING EDGE DETECTION ALGORITHM	G.Vinithra, T.Ragunthar, E.Surya	International Journal of Creative Research Thoughts (IJCRT)	2017	0	Rajalakshmi Engineering College	0
Integration of Multi User in Single Card Using HMM and Formula Authentication	E.Surya, G.Vinithra, T.Ragunthar	International Journal of Creative Research Thoughts (IJCRT)	2017	0	Rajalakshmi Engineering College	0
State of art for traffic rerouting based on Pollution Intensity	Priya Vijay	International Journal of Latest Trends in Engineering and Technology	2018	0	Rajalakshmi Engineering College	0
Fissure Detection in Lung CT Images using Back Propagation Neural Networks	Dr.K.Devaki	Journal of Industrial Pollution Control	2018	0	Rajalakshmi Engineering College	0
Fissure Detection in Lung CT Images using Back Propagation Neural Networks	R.Akiladevi	Journal of Industrial Pollution Control	2018	0	Rajalakshmi Engineering College	0
Fissure Detection in Lung CT Images using Back Propagation Neural Networks	P.Vidhupriya	Journal of Industrial Pollution Control	2018	0	Rajalakshmi Engineering College	0
Improving performance of cooperative communication in heterogeneous manet environment	Sangeetha, S.K.B., Dhaya, R. & Kanthavel, R.	Cluster Computing The Journal of Networks, Software Tools and Applications	2018	0	Rajalakshmi Engineering College	0
Survey On	Dr.P.Kumar,	International	2018	0	Rajalakshmi	0

Deduplication In Cloud Environment	E.V.Pavithra	Journal of Engineering Research & Technology (IJERT)			Engineering College	
Multi Tier Security System Using Ulk Kit For Secure Door Operation	Priya Vijay,S.Bharatwa aj S.Bharadwaj	International Journal of Pure and Applied Mathematics	2018	0	Rajalakshmi Engineering College	0
A Deterministic Approach For Smart Agriculture Using Iot And Cloud	Reeta R,Pushpavathi .V,Sanchana .R,Shanmugapriy a .V	International Journal of Pure and Applied Mathematics	2018	0	Rajalakshmi Engineering College	0
Enhancing Cloud Security Through Efficient Fragment Based Encryption	S.K.B.Sangeetha, V.Vanithadevi,S. K.B.Rathika	International Journal of Pure and Applied Mathematics	2018	0	Rajalakshmi Engineering College	0
Application Recommendatio n Service Using Collaborative-Filtering In A Mobile Cloud Environment	Silviya Nancy J and Udhayakumar S	International Journal of Pure and Applied Mathematics	2018	0	Rajalakshmi Engineering College	0
Incorprationofaa dharcardforsmart indianrailways	Yatheendra Pravan K M, Sujith Kumar S,Sumathy V and Thejeswari C K	International Journal of Pure and Applied Mathematics	2018	0	Rajalakshmi Engineering College	0
Context Aware And Adaptive Real Time Video Streaming With Quality Assurance In Mobile Learning Environment	E.Surya,P.Sivaran jani,K.Vijay	International Journal of Pure and Applied Mathematics	2018	0	Rajalakshmi Engineering College	0
Design Of Smart Device For Healthcare And Road Safety	Venkatesh Prasad.R, S.Harini and Swetha Sridharan	International Journal of Pure and Applied Mathematics	2018	0	Rajalakshmi Engineering College	0
Data Mining: A Perspective Study On	Thejeswari.C.K, Sumathy.V, Sivaranjani.P	International Journal of Pure and Applied	2018	0	Rajalakshmi Engineering College	0

Various Tools & Techniques With Security Applications And A Two-Stage Process To Detect Fp & Fn Alerts		Mathematics				
An Enhanced Firmware For Mobile Device Security Using E-Sim	Anush Kishan.P, Gajapathy.P, Chandan.G.K and Udhayakumar.S	International Journal of Pure and Applied Mathematics	2018	0	Rajalakshmi Engineering College	0
Optimal Detection Of Lung Cancer Using Bees	R.Abirami,L.Andrea, M.Diviya	International Journal of Pure and Applied Mathematics	2018	0	Rajalakshmi Engineering College	0
A Study And Analysis On Software Testing Tools	R.Akiladevi,P.Vidhupriya, V.Sudha	International Journal of Pure and Applied Mathematics	2018	0	Rajalakshmi Engineering College	0
Framework For Fire Detection And Mitigation Using Iot	Andrea.L, Abirami.R,Diviya.M and J.Silviya Nancy	International Journal of Pure and Applied Mathematics	2018	0	Rajalakshmi Engineering College	0
A Review Of Big Data Computing And Cloud	S.Harini, K.Jothika and K.Jayashree	International Journal of Pure and Applied Mathematics	2018	0	Rajalakshmi Engineering College	0
Task Scheduling Using Meta-Heuristic Optimization Techniques In Cloud Environment	P.Kumar, M.Jaeyalakshmi	International Journal of Pure and Applied Mathematics	2018	0	Rajalakshmi Engineering College	1
A Mobile Cloud Offloading Technique For Image Classification Service Using Hipi	Nandhini L.K, Udhayakumar. S	International Journal of Pure and Applied Mathematics	2018	0	Rajalakshmi Engineering College	0
Integration of IOT and Data Analytics: Performance Analysis System for Outdoor	Dr. B. Swaminathan, R. Rahul, S. Ragul and M. Ramavel	International Journal of Applied Engineering Research	2018	0	Rajalakshmi Engineering College	0

Title	Author	Journal	Year		Affiliation	
Sports using Electromyography and Image Data						
Fabricating modish mobile application for a visionless citizn to act as a visinoed citizen	Jananee V, Shalini P, Dhivya S	Indonesian Journal of Electrical Engineering and Computer Science (IJEECS)	2018	0	Rajalakshmi Engineering College	0
An Empirical Investigation on Hazardous Gas Detection	Reeta R,Pavithra G, Priyanka V, Raghul J S	International Journal of Applied Engineering Research	2018	0	Rajalakshmi Engineering College	0
High Performance Concrete with Copper slag for Marine Environment	Dr.S.Geetha, Dr.M.Selvakumar	Materials Today: Proceedings	2017	4	Rajalakshmi Engineering College	1

3.4.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science) :						
Title of the paper	Name of the author	Title of the journal	Year of publication	H-index of the author	Citation Index	Institutional affiliation as mentioned in the publication
Source : Scopus Author Search (https://www.scopus.com/freelookup/form/author.uri)						
Review of water based vapour absorption cooling systems using thermodynamic analysis	**Dr. Natteri M Sudharsan**	Renewable and Sustainable Energy Reviews	2017	9	2	Department of Mechanical Engineering, Rajalakshmi Engineering College(Anna University), Chennai, India
Ni-P Coated Glass Fiber/Al2O3 Nanowire	**Dr. N Venkateshwaran**	Polymer	2017	11	2	Department of Mechanical Engineering, Rajalakshmi Engineering College,

Reinforced Vinyl Ester Composite						Chennai 602105, India
Dynamic mechanical, thermal and wear analysis of Ni-P coated glass fiber/Al2O3 nanowire reinforced vinyl ester composite	**Dr. N Venkateshwaran**	Alexandria Engineering Journal	2017	11	2	Department of Mechanical Engineering, Rajalakshmi Engineering College, Chennai 602105, India
Inventory transparency for agricultural produce through IOT	**Dr. S P Srinivasan**	IOP science	2017	4	1	Professor and Head, Department of Mechanical Engineering, Rajalakshmi Engineering College, India
Microstructure and mechanical properties of Ti (C, N) based cermets reinforced with different ceramic particles processed by spark plasma sintering	**Mr. E Shankar**	Ceramics International	2017	2	10	Department of Mechanical Engineering, Rajalakshmi Engineering College, Thandalam, Chennai 602105, India
Influence of WC and cobalt additions on the micro structural and mechanical properties of TiCN-Cr3C2-nano- TiB2 cermets fabricated by spark plasma sintering	**Mr. E Shankar**	International journal of refractory metals and hard materials	2017	2	3	Department of Mechanical Engineering, Rajalakshmi Engineering College, Thandalam, Chennai 602105, India

Title	Authors	Journal	Date			Affiliation
Comparative analysis of winglets fitted on aircraft model	**Dr.Muthusamy. N**	International Journal of Mechanical Engineering & Technology	Sep 2017	1	1	Rajalakshmi Engineering College
Impact of surface adaptation and Acacia nilotica biofiller on static and dynamic properties of sisal fiber composite	**P Vimalanathan**, N Venkateshwaran, SP Srinivasan, V Santhanam, M Rajesh	International Journal of Polymer Analysis and Characterization	2018	2	4	Rajalakshmi Engineering College
Node discovery with development of routing tree in wireless networks	Vijayaraj. A, Suresh R. M., and **Poonkuzhali**. S	Cluster Computing-Springer	Oct-17	1	0	Rajalakshmi Engineering College
Posture Based Health Monitoring and Unusual Behaviour Recognition System for Elderly using Dynamic Bayesian Network	**G.Anitha**, S.Baghavathipriya	Cluster Computing-Springer	Feb-18	2	0	Rajalakshmi Engineering College
Performance Studies On Diesel Engine Using Blends Of Coconut De-Oiled Cake And Methyl Esters Of Jatropha	K. **Bhaskar**	Rasayan Journal of Chemistry	2017	9	3	Professor, Automobile Engineering

Comparative performance studies on DI diesel engine with neem de-oiled cake and Jatropha methyl ester diesel blends	K. **Bhaskar**	World Journal of Engineering	2017	9	5	Professor, Automobile Engineering
Aluminium Phosphate Supported Copper Phosphate Catalytic Converter to Reduce Nitrous Oxides and Particulate Matter from Engine Emission	K. **Bhaskar**	ORIENTAL JOURNAL OF CHEMISTRY	2017	9	15	Professor, Automobile Engineering
Analysis Of Performance, Combustion And Emission Characteristics On Biofuel Of Novel Pine Oil	K. **Bhaskar**	Rasayan J Chem	2017	9	6	Professor, Automobile Engineering
Reduction Of Nox And Opacity From Diesel Engine With Dimethyl Carbonate And	K. **Bhaskar**	Rasayan J Chem	2017	9	1	Professor, Automobile Engineering

Isopropyl Alcohol						
Performance and emission characteristics of a diesel engine with Diesel Premixed Compression Ignition and exhaust gas recirculation	K. **Bhaskar**	Heat transfer and Asian Research	2017	9	1	Professor, Automobile Engineering
Effect Of Dimethoxy-Methane (C3h8o2) Additive On Emission Characteristics Of A Diesel Engine Fueled With Biodiesel	K. **Bhaskar**	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2018	9	3	Professor, Automobile Engineering
Cost Optimization and Voltage Control of a Power System Using Genetic Algorithm ce	Thirusenthil kumaran & **Kamalakannan**	Journal of computational & theoritical nanoscience	Jul-17	1	1	St peters Institute of Higher Education and Research. St'Peters Univesity.
Analysis & Design of single phase power Factor Correction with DC-DC SEPIC converter for fast dynamic	**Umamaheswari** MG	IET Circuits, Devices and Systems	Oct-17	4	1	Rajalakshmi Engineering College

response using GA optimized PI controller						
A New Control Strategy for PMSG Based Wind Energy Conversion System Feeding Microgrid	**Kalaivani**.R, Veerapandiyan.V, Vidhyasagar.V0.	Journal of Electrical Engineering	Dec-17	6	1	Rajalakshmi Engineering College
"Antlion Algorithm Optimized Fuzzy PID Supervised Online Recurrent Fuzzy Neural Network Based Controller for Brushless DC Motor"	**Premkumar**.K	Electric Power Components and Systems,	February 2018.	6	1	Rajalakshmi Engineering College
A Hankel matrix reduced order SEPIC model for simplified voltage control optimization and MPPT	**Lekshmi Sree**.B, Umamaheswari M.G	Solar Energy	May-18	1	1	Rajalakshmi Engineering College
Modified composite power control strategy for grid connected wind-PV systems with unbalanced nonlinear current	**Sivakumar**.P	International Transactions on Electrical Energy Systems	May-18	4	1	Rajalakshmi Engineering College
Growth, structural, optical,	R. Sreedevi, G. **Saravana Kumar**, K.	Physica B: Condensed	Dec. 2017	3	0	

mechanical and quantum chemical analysis of unidirectional grown bis (guanidinium) 5-sulfosalicylate (BGSSA) single crystal	Amarsingh Bhabu, T. Balu, P. Murugakoothan, T.R. Rajasekaran	matter				Rajalakshmi Engineering College
Chromogenic and fluorogenic chemosensors for lethal cyanide ion. A comprehensive review of the year 2016	Dr. D. **Udhayakumari**	Sensors and Actuators B: Chemical	Dec. 2017	10	1	Rajalakshmi Engineering College
Fluorescence Quenching of ß -Casein by Silver Nanoparticles and Copper Nanoparticles in Presence of Sugars: A Quantitative Exploration	V. **Vasumathi**, J. Santhanalakshmi	Asian Journal of Chemistry	2018	1	2	Rajalakshmi Engineering College
Vickers micro hardness and etching studies of L-arginine semi-oxalate single crystal for optoelectronic applications	P. **Vasudevan**	Optoelectronics and Advanced Materials-Rapid Communications	Feb. 2018	3	0	Rajalakshmi Engineering College
Electrochemical, mechanical and osseointegration evaluation of	R. **Manonmani**, S.P. Vinodhini, B. Venkatachalapath	Surface Engineering	June, 2018	1	0	Rajalakshmi Engineering College

				1		
NBPC-coated 316L SS by EPD	y & T.M. Sridhar					
Feature Selection Techniques for Prediction of Neuro-Degenerative Disorders: A Case-Study with Alzheimer's And Parkinson's Disease	K. **Tejeswinee**	Procedia Computer Science, Elsevier	2017	1	2	Rajalakshmi Engineering College
Prediction of rescuable cancer mutants in p53 mutation network using centrality measures	P.**Nancy**	Int. J. of Biomedical Engineering and Technology	2017	1	0	Rajalakshmi Engineering College
Fissure Detection in Lung CT Images using Back Propagation Neural Networks	Dr.K.**Devaki**	Journal of Industrial Pollution Control	2018	2	0	Rajalakshmi Engineering College
Improving performance of cooperative communication in heterogeneous manet environment	**Sangeetha**, S.K.B., Dhaya, R. & Kanthavel, R.	Cluster Computing The Journal of Networks, Software Tools and Applications	2018	4	0	Rajalakshmi Engineering College
Integration of IOT and Data Analytics: Performance Analysis System for Outdoor Sports using Electromyography and Image Data	Dr. B. **Swaminathan**, R. Rahul, S. Ragul and M. Ramavel	International Journal of Applied Engineering Research	2018	1	0	Rajalakshmi Engineering College
Fabricating modish mobile application for a visionless citizn to act as a visinoed citizen	**Jananee** V, Shalini P, Dhivya S	Indonesian Journal of Electrical Engineering and Computer Science	2018	1	0	Rajalakshmi Engineering College

		(IJEECS)				
High Performance Concrete with Copper slag for Marine Environment	Dr.S.**Geetha**, Dr.M.Selvakumar	Materials Today: Proceedings	2017	7	1	Rajalakshmi Engineering College
Graphene oxide admixed aerated concrete composite with carbon fibres	Dr.S.**Geetha**, Dr.M.Selvakumar	Materials Today: Proceedings	2018	7	0	Rajalakshmi Engineering College
Fibre Reinforced Lightweight Composite Reinforced with Geogrid for Wall Panels	Dr.S.**Geetha**, Dr.M.Selvakumar	Materials Today: Proceedings	2018	7	0	Rajalakshmi Engineering College

3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :				
No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	17	219	179	239
Presented papers	8	80	253	45
Resource Persons	11	8	168	57

3.5 Consultancy			
3.5.1 Revenue generated from Consultancy during the year			
Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Mechanical Engineering	Modulus of Rupture & Modulus of Elasticity	Saint Gobain Glass, India	3,000/-
Mechanical Engineering	Resource balancing data and analysis: H-block, Head (weight reduction)	Ashok Leyland	-

Mechanical Engineering	AMC for existing machine vision systems	Nanchil Technologies (Super Auto Forge Pvt Ltd)	48,750/-
Mechanical Engineering	A study on the feasibility of women employability	Ashok Leyland	-
Mechanical Engineering	Ethanol Test	Anna University	2700
Mechanical Engineering	Emission Test, Smoke Test	Dhanalakshmi Engineering College	1500
Mechanical Engineering	Emission Test, Smoke Test	Performance Test	2000
Aeronautical Engineering	Lab Training Program	Ganesh Institute of Engineering	Rs. 49,500
Aeronautical Engineering	Consultancy (Research Assistance) - Supersonic Jet Mixing	P.B.College of Engineering	Rs.8,000
Aeronautical Engineering	Consultancy (Research Assistance) - Supersonic Jet Mixing	P.B.College of Engineering	Rs. 8,000
Information Technology	Sentinel	Sentinel Radiology solutions	1,50,000
Electrical & Electronics Engineering	To develop the biased transformer for hybrid heating application	TRANSPOWER Company	15000
Electrical & Electronics Engineering	Job scheduling problem in MATLAB Program	Integrum Enterprises	10000
Electrical & Electronics Engineering	MATLAB and SIMULINK with Real Time Applications	NIT-R	20000
BioMedical Engineering	Hospital Information System	Voluntary Health Services	NIL
BioMedical Engineering	RAPID3D SOLUTIONS	Design Of Heart Valves	1,50,000
Civil Engineering	Krishna Water Supply Project	Public Works Department (PWD)-Chetpet-Chennai	63,500

3.5.2 Revenue generated from Corporate Training by the institution during the year				
Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees
Dr. Suresh Chandra Khandai & Mr. Surendra Bogadi, Aeronautical Engineering	Experimental Techniques for High Speed Jet Flows	Faculty Members from Self Financed Institutions	5000	10

3.6 Extension Activities

3.6.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers **co-ordinated** in such activities	Number of students participated in such activities
SWACCHTA PAKHWADA 2017 1st Sep to 15th Sep 2017	NSS	1	50
Blind school Scribe (Victory Memorial Blind School, poonamalle,) 3rd Jan 2018	NSS	1	10
Personality development activity at Hand in hand old Kanchipuram (15th Dec 2017)	NSS	1	50
Temple Cleaning activity (Uzhavaarapani) Dilapidated Shiva Temple in Karunagaracheri 19.11.17	NSS	1	110
ChandramouleeswararKoil, Maamandur (Ocheri) (100 yr) Uzhavaarapani on 24.12.2017	NSS	1	50
KuntheeswararKoil, Dharmapuram (Madurantakam) – 11.03.2018	NSS	1	110
Awareness on Unnecessary Honking	YI & CII	2	100
Metro Smile.(Arranged a metro rail ride for Orphanage Children)	YI & CII and Chennai Metro Rail	2	100
Health Camp	YI /CII/Kauveri Hospital	2	300
Masoom	YI /CII	2	50 Faculties
Safety Programme for Bus Drivers	YI/CII	2	75 College Bus drivers
National Youth Day	YI/CII	2	300

3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year			
Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
Youth empowerment program organized by NSS Anna university	Best poster presentation	NSS Anna University Chennai	**3**

3.6.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers co-ordinated such activities	Number of students participated in such activities
NSS	NSS (REC) & Alert – We care	Basic first aid workshop (28/03/2018)	2	50
NSS	NSS REC	Thulir (Awarness to formers on modern agriculture and discussed about benefits of organic forming) Phase 3	1	50
Bharath Yatra	YI/ Confederation of Indian Industry and Kailash Satyarthi Children Foundation	Awareness campaign against child sexual abuse and child trafficking	2	150
YI Annual day	CII	Creating Leaders through Empowerment	2	5
YI Youth day celebrations	CII & Kalakshetra Foundation	Awareness and Cultural Programmes	2	100

3.7 Collaborations

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of Activity	Participant	Source of financial support	Duration
SWINBURNE	1	SELF	03-06-2018 to 16-06-2018

3.7.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant
Training	Training	REC BOSCH JCC	July 2017-June 2018	491
Training	Training	WIPRO	July 2017-June 2018	450
Training	Training	Infosys Campus connect	Aug 2017 – Oct 2017	300
Training	Training	Wipro GE Healthcare Private Limited	28-05-2018 to 08-06-2018	14
Training	Training	PALS	July 2017 – June 2018	47

Training	Training	BARRY WEHMILLER	29-01-2018 to 04-02-2018	71
Training	Training	PEGA	11-07-2017 to 22-03-2018	100
Training	Training	TCS irep	13-02-2017 to 01-04-2017	236
Training	Training	LEED V4 Workshop	05-03-2018 to 07-03-2018	14
Training	Training	ZCCA	29-08-2017 to 16-09-2017	165
Training	Training	CLOUD/VM WARE	21-08-2017 to 14-09-2017	88
Training	Training	REVIT	27-09-2017 to 12-10-2017	30
Training	Training	Big Data and Hadoop	06-03-2018 to 21-03-2018	65
Industry-Institute Interaction	Projects, Consultancy, Training, Placement	TIDC (TI Diamond Chain - A Murugappa Group Company)	6-March-2018	Faculty & Students
Internship	Summer Projects	Neyveli Lignite Corporation	June 2017 to Aug 2017	2
Internship	Summer Projects	Carborundum Universal Ltd (Murugappa Group)	June 2017 to Aug 2017	4
Internship	Summer Projects	Simpsons	June 2017 to Aug 2017	3
Internship	Summer Projects	Indian Overseas Bank	June 2017 to Aug 2017	2
Internship	Summer Projects	TI Cycles	June 2017 to Aug 2017	4
Internship	Summer Projects	Chennai Port Trust	June 2017 to Aug 2017	6
Internship	Summer Projects	Sundaram Clayton	June 2017 to Aug 2017	4
Internship	Summer Projects	Orchid Pharma	June 2017 to Aug 2017	9
Internship	Summer Projects	Hatsun Agro Products	June 2017 to Aug 2017	7
Internship	Summer Projects	Big Bazaar	June 2017 to Aug 2017	22
Internship	Summer Projects	Aditya Birla Capital	June 2017 to Aug 2017	6
Internship	Summer Projects	Siemens	June 2017 to Aug 2017	4
Internship	Summer Projects	Ashok Leyland	June 2017 to Aug 2017	1
Internship	Summer Projects	TVS	June 2017 to Aug 2017	3
Internship	Summer Projects	TNSC	June 2017 to Aug 2017	4

3.7.3 MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year			
Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
Wipro GE Healthcare Private Limited	16-03-2018	TRAINING	14

University of A Coruña, Spain	04-07-2017	Exchange of Faculty, Students, Seminars, Workshops, Dual-degree programs	-
TI-DIAMOND CHAIN, a company of The Murugappa Group ,Chennai	6 March 2018.	- Training program for Students and Staff - Offer Projects , Internship for selected students - On the field training for staff in their areas of expertise. - Joint Research by collecting data etc through projects to students and staff	25

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
30 Lakhs	34.66 Lakhs

4.1.2 Details of augmentation in infrastructure facilities during the year		
Facilities	Existing	Newly added
Campus area	27 Acres	
Class rooms	113	9
Laboratories	96	5
Seminar Halls	4	2
Classrooms with LCD facilities	12	2
Classrooms with Wi-Fi/ LAN	113	9
Seminar halls with ICT facilities	4	2
Video Centre	1	1
No. of important equipments purchased (1-0 lakh) during the current year.	21	3
Value of the equipment purchased during the year (Rs. in Lakhs)	132.5	7.19
Others		

4.2 Library as a Learning Resource			
4.2.1 **Library is automated {Integrated Library Management System (ILMS)}**			
Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
REC LIBSOFT	FULLY	3.0	1998

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	50375	17753441	1104	892780	51479	18646221
Reference Books	4025	2303896	146	119720	4171	2423616
e-Books	454492	6539108	7037	65255	461529	6604363
Journals	26695	9494648	2414	334489	29109	9829137
e-Journals	23906	8563091	2169	956647	26075	9519738

Digital Database	35	5514613	5	70800	40	5585413
CD & Video	3923	387659	243	21426	4166	409085
Library automation	20	494688	2	64000	22	558688
Weeding (Hard & Soft)	20	6000	8	1730	28	7730
Others (specify)	688	1269903	20	57000	708	1326903

4.2.2 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
All Teachers	Courses allotted for the semester	Moodle	June 2017 & Dec 2018

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	1675	1129	Connected to all PCs	35	100	30	381	155	
Added	150	146	Connected to all PCs			4 -		70	
Total	1825	1275	Connected to all PCs	35	100	34	381	225	

4.3.2 B*andwidth available of internet connection in the Institution (Leased line)*

225 MBPS /GBPS :   225 MBPS (155 + 70)

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Moodle Learning management software	Available in college Intranet

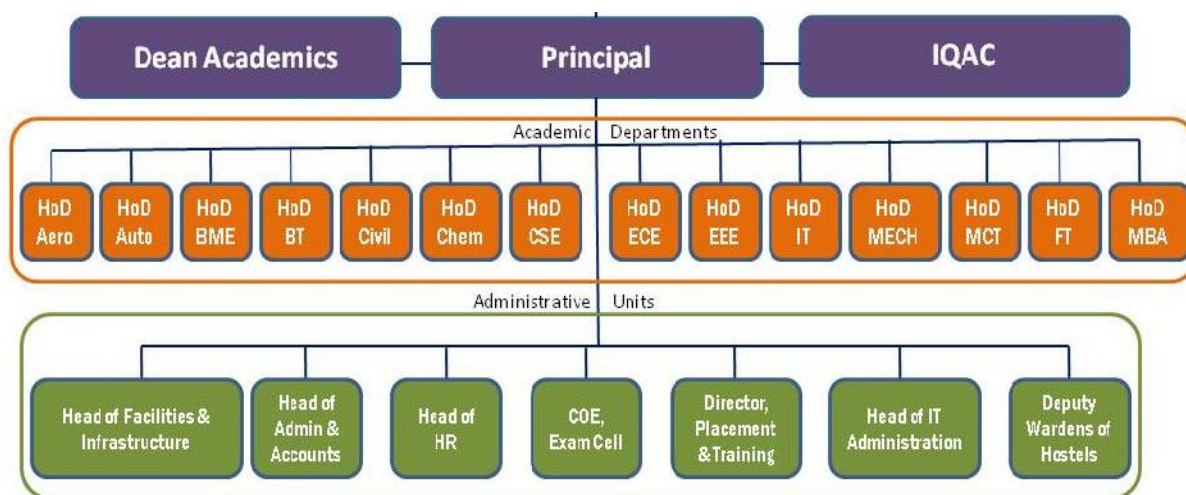| 4.4 Maintenance of Campus Infrastructure			
4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year			
Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
18.5 Lakhs	19.06 Lakhs	36.05 Lakhs	37.2 Lakhs

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

We have separate departments to maintain each type of facility. A skilled team is provided to work under the supervision of a designated head for each department including Infrastructure, EB, Finance, Administration, Library and Sports.

Unified – the management information system developed for our college policies and procedures can be used to reserve the needs of staff and students. We do have a complaint mechanism through this portal, which will be attended to and will be closed by the concerned department.

CRITERION V - STUDENT SUPPORT AND PROGRESSION			
5.1 Student Support			
5.1.1 Scholarships and Financial Support			
	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	P.A. Ramakrishnan Merit Award (Maths)	1	10000
	GCT '70 Batch Award (Best Outgoing - Mech)	1	15000
	VOC Memorial Award (Best Outgoing – Aero)	1	10000
	Sri Sankarathanu Pillai Merit (Student who contributed for social welfare)	1	12000
	Sri. S. Meghanathan Entrepreneur Award	1	25000
	Thiruvenkatam Sivasailam Endowment Prize	1	50000
	The Ragavan Memorial Award	1	48000
	The Lady Parvatham Trust Award	2	10000
	Giri Memorial Endowment Award	1	20000
	Prof.V.N.Srinivasan Memorial Award	1	10000
	REC Faculty Endowment Award	1	10000
	Prizes for sports and cultural activities	As applicable	25000
Financial support from other sources			
a) National	SC/ST Scholarship	403	11220000
	BC/MBC Scholarship	973	6443170
	Agaram Charitable foundation	9	172000
	Minority Scholarship	45	2250000
	Others	244	6100000
b) International		-	-

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,			
Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
EMPLOYABILITY TRAINING CAMP XXII	03/06/2017	1377	Smart Learning,361 degree minds, Charge
EMPLOYABILITY TRAINING	5/10/2018	1077	Six Phrase , Charge , 361

CAMP XXIII			degree minds
Value Added Program	26-12-2017	All second Year	Kings Learning
PEGA CSSA Level 2	20-11-2017	Final Year	Talent Sprint
ZCCA Technical Training	29-08-2017	Third Year	ITK Education Services Private Limited
Cloud VMware	21-08-2017	Third Year	ICT
REVIT	27-09-2017	Final Year	Faculties
HINDI LANGUAGE TRAINING	19-09-2017	Third Year	Rishi Hindi Coaching Institute
ADVANCED PRODUCT BASED TRAINING	06-01-2018	Third Year	TCS
BARRY WEHMILLER	29-01-2018	Second Year	BARRY WEHMILLER
PERSONALITY DEVELOPMENT	23-01-2018	First Year	Kings Learning
BIGDATA AND HADOOP TRAINING	06-03-2018	Third Year	Faculties
CAMPUS LECTURE PROGRAM	13-09-2017	120	PALS
ENTREPRENEURIAL EDUCATORS (EE) RESIDENTIAL BASECAMP	22-02-2018	Faculties	REC
PALS innoWAH competition	2017-2018	4	PALS
Professional Development and Creativity in Structural Engineering	24-08-2017	15	PALS
Experiences on Developing Next Generation Precision Grinding Machine Tools	7-11-2017	10 Students 3 Faculty	PALS
Data driven Automotive Design	15-02-2018	15	PALS
FDP			
Teaching Techniques	14-07-2017	2	ICT
Data Science and Big Data Analytics	11-8-2017	2	ICT
Introduction to R Programming	25-08-2017	3	ICT
Introduction to Internet of Things	04-10-2017	3	ICT
Creative Thinking	21-11-2017	3	ICT
Introduction to Mobile development	17-01-2018	3	ICT
Basics of Analytics	20-1-2018	3	ICT
R PROGRAMMING	4/5/2018	3	ICT
INTRODUCTION TO MOBILE APP DEVELOPMENT	4/9/2018	3	ICT
PROBLEM SOLVING IN C&C++	4/27/2018	3	ICT
CREATIVE THINKING	4/27/2018	3	ICT
Train the Trainer	5/17/2018	3	BRITISH COUNCIL
FDP-BIGDATA	19/06/2018	3	ICT
Autodesk Inventor	4/6/2018	3	ICT
PHP PROGRAMMING	12/6/2018	3	ICT
AUTOCAD	21/6/2018	3	ICT
Leadership Skills Level 1	13/6/2018	3	ICT
Firewall Installation, Configuration and Management	25/6/2018	3	ICT
Teaching Techniques	29/6/2018	3	ICT
PERSUASIVE SELLING SKILLS	3/26/2018	21	RSB

JAPANESE LANGUAGE	19/6/2018	45	REC
JP Gandhi Orientation	01/02/2018	1555	REC
Bosch REC			
Fuel Injection Pump	04-07-2018	186	REC BOSCH JCC
Auto Electrical	04-07-2018	166	REC BOSCH JCC
Engine Diagnostic System	04-07-2018	90	REC BOSCH JCC
REC BOSCH Inplant Training	30-11-2017	17	REC BOSCH JCC
REC BOSCH Inplant Training	22-05-2018	32	REC BOSCH JCC

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year					
Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
3rd Aug 2017	Seminar on Higher Education	184	184	NA	NA
8th Aug 2017	Seminar on Gate Forum	290	290	NA	NA
9th Aug 2017	Seminar on Higher Education	204	204	NA	NA
16th Aug 2017	Seminar on GATE	215	215	NA	NA
23rd Aug 2017	Seminar on GRE/TOEFL	290	290	NA	NA
12th Sep 2017	Seminar on Higher Education	55	55	NA	NA
8th Sep 2017	Orientation of University of Texas	211	211	NA	NA
26th Sep 2017	US Universities mini fair	72	72	NA	NA
11th Jan 2018	Seminar on Higher Education	83	83	NA	NA

27th Jan 2018	Seminar on Higher Education	197	197	NA	NA
18th Jan 2018	Study Abroad event	30	30	NA	NA
2nd Feb 2018	Seminar on GATE	57	57	NA	NA
13th Feb 2018	Seminar on CAT,GRE,TOEFL,IELTS	55	55	NA	NA
21st Feb 2018	Seminar on Higher Education	68	68	NA	NA
23rd Feb 2018	GATE Seminar	55	55	NA	NA
2nd Mar 2018	Higher Education Seminar Fair	131	131	NA	NA
6th Mar 2018	Career Development	25	25	NA	NA
29th June 2018	Digital Marketing Workshop	15	15	NA	NA
June 2017-Nov 2017	NISM (National Institute of Securities Market) – Coaching and guidance to take up NISM VII Exam	70	70	NA	NA

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year		
Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
-	-	-

5.2 Student Progression

5.2.1 Details of campus placement during the year

On campus		Off Campus	
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
ABABIL HEALTH CARE	11	2	NA
AKRIVIA AUTOMATION	55	NA	1
ALCHIMICA INDIA PVT LTD	38	NA	0
ALLIANCE GROUP	9	NA	1
AMAZON	203	15	NA
AMAZON- IT(2 days)	62	1	NA
AMERICAN MEGA TRENDS	22	0	NA
APPLIED MATERIALS	117	5	NA
APPLIED MATERIALS	22	1	NA
ARKKAYS	8	NA	1
ASG TECHNOLOGIES	27	NA	0
Ashok Leyland	150	1	NA
ASHOK LEYLAND	41	2	NA
AUTO LINK GEARS	16	9	NA
AXELS INDIA	14	NA	11
BIJU'S - INTERN	76	NA	1
BIJU'S LEARNING	86	NA	2
BLACK CACTUS	86	NA	0
BORG WARNER	39	3	NA
BORG WARNER - IT	5	NA	0
BRAKES INDIA	45	NA	2
CAPGEMINI AERO	37	3	NA
CAPGEMINI BIO	28	NA	1
CATHOLIC SYRIAN BANK	17	NA	1
CHENNAI METCO	70	NA	5
CINTANA TECHNOLOGIES	21	2	NA
CITY UNION BANK	71	9	NA
COFFEE DAY	28	NA	0
COGNIZANT	11	NA	0
COGNIZANT TECHNOLOGY SOLUTIONS	55	NA	1
COMMVAULT	11	0	NA
CONCEPTREE LEARNING	26	5	NA
CONGRUENT SOLUTIONS	14	NA	0
COVENANT CONSULTANTS	46	NA	2
DATALOGICS INDIA PVT LTD	24	NA	0
DETROIT EQUIPMENTS INDIA	36	NA	0
DIRECTI INTERNET SOLUTIONS	30	0	NA
DOODLE BLUE	356	3	NA
DXC TECH	47	NA	0
DXC TECHNOLOGY	26	NA	3
D-ZINE	2	NA	0

EMBEDUR SYSTEMS	59	0	NA
EMERSON FISHER CHENNAI ENGINEERING	19	NA	1
ENCORE IT SERVICES	21	1	NA
EPISOURCE	35	NA	11
EXETER PREMEDIA	33	1	NA
F22 LABS	15	NA	2
FINANCIAL EXPRESS	4	NA	1
FOCUS ACADAMY	39	7	NA
FULL CREATIVE	50	3	NA
GESCO Health Care	44	1	NA
GREY ORANGE	278	NA	0
HCL - PEGA HIRING	42	NA	4
HCL TSS	24	5	NA
HDFC SALES	12	NA	0
HEALTHWATCH	18	10	NA
HEALTHWATCH	13	NA	0
HEXAWARE - PEGA HIRING	12	NA	4
HFFC	16	1	NA
HIPBAR	136	NA	2
HSBC	31	0	NA
ICICI SECURITIES	60	5	NA
IDBI FEDERAL LIFE	43	15	NA
IDBI FEDERAL LIFE	354	66	NA
INDUS TEQSITE	8	NA	1
INFOSYS	12	NA	1
INTELENET	19	0	NA
IRETEX	36	2	NA
JARO EDUCATION	43	NA	0
JOHNSON CONTROLS	170	NA	0
JUSPAY(2 days)	126	NA	0
JUST DIAL	103	20	NA
KAAR TECHNOLOGIES	59	2	NA
KOTAK CREDIT	44	4	NA
KOTAK LIFE	36	NA	2
KUMARAN SYSTEMS	22	0	NA
L & T INFOTECH - PEGA HIRING	91	0	NA
LEELA PALACE	9	0	NA
LUCID TECHNOLOGIES	24	1	NA
MAARGA SYSTEMS	46	2	NA
MAESTRO STEEL DETAILING	29	NA	0
MAZENET SOLUTIONS	142	4	NA
MBIT WIRELESS	21	NA	0
MOUNTBLUE	49	0	NA
MPHASIS(2 days)	137	9	NA
MR.COOPER	78	19	NA
MR.COOPER - IT	138	NA	2
MSC TECHNOLOGIES	68	NA	1

NINJA CART	49	0	NA
NTT DATA	9	NA	2
ODESSA TECHNOLOGIES	687	1	NA
ODYSSEY TECHNOLOGIES	32	0	NA
OMICS INTERNATIONAL	45	NA	11
PAYPAL	231	0	NA
PAYPAL	9	0	NA
PEGASYSTEMS(2 Days)	33	5	NA
PON PUR LOGISTICS	14	NA	2
POWERTECH GROUP	11	0	NA
PREETHI KITCHEN APPLICANCES	26	0	NA
PREETHI KITCHEN APPLICANCES	5	NA	1
PRODAPT SOLUTIONS	45	NA	5
PROLEC GE	13	NA	5
QMAX SYSTEMS	19	0	NA
R. STAHL	13	NA	1
RANE GROUP	30	NA	5
RDC CONCRETE	38	NA	3
ROBERT BOSCH	12	NA	1
S10 HEALTHCARE	110	19	NA
SAI SYSTEMS	56	NA	2
SAINT GOBAIN	9	NA	2
SAINT GOBAIN	27	NA	0
SAINT GOBAIN	1	NA	0
SAKSIN LIFE SCIENCES	49	NA	0
SANMAR	105	0	NA
SANMINA	14	NA	0
SAP LABS	21	0	NA
SCOPE E KNOWLEDGE	30	NA	10
SEOYON E-HWA AUTOMOTIVE INDIA	78	NA	29
SERENDEBYTE INC - PEGA HIRING	29	8	NA
SL LUMAX	39	NA	5
SPIC	26	NA	0
SPIRAL UP SOLUTIONS	74	5	NA
SRF LTD	20	NA	1
SUNDARAM CLAYTON	12	1	NA
SUNDARAM INDUSTRIES	11	4	NA
SUTHERLAND	196	65	NA
SUTHERLAND - NV	329	22	NA
SVS INFOTECH	76	11	NA
SYNTEL	126	NA	3
SYRMA TECHNOLOGY	44	1	NA
SYSTECH SOLUTIONS(2 Days)	128	5	NA
TATA COMMUNICATIONS	45	NA	0
TCS - CODEVITA	476	5	NA
TCS - GENERIC HIRING(2 Days)	802	264	NA
TCS - PEGA HIRING	78	23	NA

TIKONA INFINET	3	NA	1
TNQ BOOKS AND JOURNELS	27	6	NA
TPF SOFTWARE	130	1	NA
TRIMBLE TECHNOLOGIES	16	1	NA
TVS LOGISTICS	45	NA	1
UNMETRIC TECHNOLOGIES	41	0	NA
VALUED EPISTMICS	99	0	NA
VALUED EPISTMICS	22	0	NA
VEMBU TECHNOLOGIES	89	NA	0
VERIZON	132	0	NA
VERNALIS	186	5	NA
VERNALIS - QA Role	74	2	NA
VIRTUSA	18	NA	2
VIRTUSA POLARIS - PEGA HIRING	41	10	NA
VOLANTE	4	NA	0
VYSHNAVI INFOTECH	5	0	NA
WIPRO (2 Days)	275	7	NA
ZIFO RnD SOLUTIONS	115	3	NA
ZOHO	206	0	NA
ZOHO CORPORATION (content writer position)	17	0	NA
ZOHO CORPORATION(intern - 5 placed & campus-1 placed)(2 Days)	511	6	NA
ZOOM RX	72	0	NA
ZOOM RX	12	NA	0
ZOUSE RENTALS	5	NA	3

5.2.2 Student progression to higher education in percentage during the year 17-18					
Year	Total Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2017-18	20	B.E Aero	Dept. of Aeronautical Engineering	IOWA STATE UNIVERSITY, USA	M.S., Aerospace
		B.E Aero	Dept. of Aeronautical Engineering	MIT, Anna University	M.E., Avionics

		B.E Aero	Dept. of Aeronautical Engineering	MIT, Anna University	M.E., Aerospace
		B.E Aero	Dept. of Aeronautical Engineering	Central University of Tamilnadu	M.Sc., Material Science
		B.E Aero	Dept. of Aeronautical Engineering	Rajalakshmi Engineering College	M.E., Engineering Design (Mechanical)
		B.E Aero	Dept. of Aeronautical Engineering	MIT, Anna University	M.E ., Avionics
		B.E Aero	Dept. of Aeronautical Engineering	MIT, Anna University	M.E., Aerospace
		B.E Aero	Dept. of Aeronautical Engineering	PSG, Coimbatore	MBA
		B.E Aero	Dept. of Aeronautical Engineering	CEG, Anna University	M.E., Material Science
		B.E Aero	Dept. of Aeronautical Engineering	MIT, Anna University	M.E., Aerospace
		B.E Aero	Dept. of Aeronautical Engineering	MIT, Anna University	M.E ., Avionics
		B.E Aero	Dept. of Aeronautical Engineering	MIT, Anna University	M.E ., Avionics
		B.E Aero	Dept. of Aeronautical Engineering	MIT, Anna University	M.E ., Avionics
		B.E Aero	Dept. of Aeronautical	DELT UNIVERSITY	M.sc., Aerodynamics

				Engineering		
		B.E Aero	Dept. of Aeronautical Engineering	Great Lakes Inst. of management,Chennai	MBA
		B.E Aero	Dept. of Aeronautical Engineering	MIT, Anna University	M.E., Aerospace
		B.E Aero	Dept. of Aeronautical Engineering	MIT, Anna University	M.E ., Avionics
		B.E Aero	Dept. of Aeronautical Engineering	IIT, Kanpur	M.E., Aerospace
		B.E Aero	Dept. of Aeronautical Engineering	IOWA STATE UNIVERSITY, USA	M.S., Aerospace
		B.E Aero	Dept. of Aeronautical Engineering	IIT, Kanpur	M.E., Aerospace
2017-18	5	B.E AUTO	Department of AUTOMOBILE ENGINEERING	University of south Florida.USA	Master of Science in Industrial Engineering
		B.E AUTO	Department of AUTOMOBILE ENGINEERING	Fanshawe College, London, Canada	Mechanical Engineering
		B.E AUTO	Department of AUTOMOBILE ENGINEERING	PSG-Anna university	M.E, product Design and Commerce
		B.E AUTO	Department of AUTOMOBILE ENGINEERING	University of Windsor Canada	MS –Industrial Engineering
		B.E AUTO	Department of AUTOMOBILE ENGINEERING	The University of Wollongong. Australia.	Master of Engineering, Major: Management
2017-18	4	BE BME	Department of BioMedical	Sweden. Umea	M.S in Robotics and control.

			Engineering	university	
		BE BME	Department of BioMedical Engineering	Toronto University	M.S in Biomedical
		BE BME	Department of BioMedical Engineering	Ramachandra Medical College	MBA in Hospital and Health Systems Management
		BE BME	Department of BioMedical Engineering	Ramachandra Medical College	MBA in Hospital and Health Systems Management
2017-18	17	B.Tech	Biotechnology	University of Milano, Italy	MS Safety Assessment of Xenobiotics and Biotechnological Products
		B.Tech	Biotechnology	Trinity College, Dublin	MSc Translational Oncology
		B.Tech	Biotechnology	Australian National University	MS Biological Science(Advanced)
		B.Tech	Biotechnology	Australian National University	Ms Biotechnology (Advanced)
		B.Tech	Biotechnology	Australian National University	Ms Biotechnology (Advanced)
		B.Tech	Biotechnology	Australian National University	Ms Biotechnology(Advanced)
		B.Tech	Biotechnology	Australian National University	Ms Biotechnology
		B.Tech	Biotechnology	Australian National University	Ms Biotechnology
		B.Tech	Biotechnology	Australian National University	Ms Biotechnology(Advanced)
		B.Tech	Biotechnology	Australian National University	Ms Neuroscience
		B.Tech	Biotechnology	University of Queensland	Ms Biotechnology Research Extensive
		B.Tech	Biotechnology	NC State University, Us	PhD Bioinformatics

		B.Tech	Biotechnology	Duke University	Masters Of Engineering Management Programme
		B.Tech	Biotechnology	University of California Irvine	Ms Biotechnology Management
		B.Tech	Biotechnology	University Of Tasmania	Ms Marine and Antarctic Science
		B.Tech	Biotechnology	Curtin University	Ms Biotechnology
		B.Tech	Biotechnology	Curtin University University of Queensland	Ms Biotechnology
		B.Tech	Biotechnology	University of Edinburgh, UK	MSc Psychology of Mental Health
		B.Tech	Biotechnology	McGill University, Canada	MSc Cell Biology
2017-18	4	B.E	Civil Engineering	NATIONAL INSTITUTE OF CONSTRUCTION MANAGEMENT AND RESEARCH (NICMAR)	Post Graduate Programme in Project Engineering and Management (PGP PEM)
		B.E	Civil Engineering	SRM university	Construction Engineering and Management
2017-18	9	BE	CSE	GEORGIA INSTITUTE OF TECHNOLOGY	COMPUTER SCIENCE
		BE	CSE	LIAUTAUD GRADUATE SCHOOL OF BUSINESS	BUSINESS ANALYTICS
		BE	CSE	ROBINSON COLLEGE OF BUSINESS	BUSINESS ANALYTICS

		BE	CSE	RAJALAKSHMI ENGINEERING COLLEGE	COMPUTER SCIENCE AND ENGINEERING
		BE	CSE	UNIVERSITY COLLEGE OF CORK,IRELAND	COMPUTING SCIENCE
		BE	CSE	DALHOUSIE UNIVERSITY	APPLIED COMPUTER SCIENCE
		BE	CSE	STEVENS INSTITUTE OF TECHNOLOGY	SOFTWARE ENGINEERING
		BE	CSE	THE UNIVERSITY OF ILLINOIS,CHICAGO	COMPUTER SCIENCE
2017-18	11	B.E ECE	Department of Electronics & Communications Engineering	University of Cincinnati, Illinois Institute of Technology	MS in Computer Engineering
		B.E ECE	Department of Electronics & Communications Engineering	Portland State University	Engineering and Technology Management, MS
		B.E ECE	Department of Electronics & Communications Engineering	National College of Ireland	MS in Data Analytics
		B.E ECE	Department of Electronics &	San Jose State University	MS in Electrical Engineering

Year	No.	Degree	Department	University	Program
					Communications Engineering
		B.E ECE	Department of Electronics & Communications Engineering	Deakin University	Master of Information Technology
		B.E ECE	Department of Electronics & Communications Engineering	Chettinad Academy of Research and Education, Kelambakkam	M.Sc psychology
		B.E ECE	Department of Electronics & Communications Engineering	University of Colorado Boulder	Electrical, Computer & Energy Engineering
		B.E ECE	Department of Electronics & Communications Engineering	University of Cincinnati	MS program in Electrical Engineering.
		B.E ECE	Department of Electronics & Communications Engineering	Computer Engineering (Electrical Engineering) (MS)	Computer Engineering (Electrical Engineering) (MS)
		B.E ECE	Department of Electronics & Communications Engineering	Rajalakshmi Engineering College	ME Communication Engineering
2017-18	8	B.E EEE	Department of Electrical & Electronics Engineering	UNIVERSITY OF ALABAMA	MASTER OF SCIENCE IN ELECTRICAL ENGINEERING
		B.E EEE	Department of Electrical & Electronics Engineering	UNIVERSITY OF ADELAIDE	MASTER OF SCIENCE IN ELECTRICAL ENGINEERING
		B.E EEE	Department of Electrical & Electronics	UNIVERSITY OF RMIT	MASTER OF SCIENCE IN ELECTRICAL

			Engineering		ENGINEERING
		B.E EEE	Department of Electrical & Electronics Engineering	DELFT UNIVERSITY OF TECHNOLOG	MASTER OF SCIENCE IN ELECTRICAL ENGINEERING
		B.E EEE	Department of Electrical & Electronics Engineering	UNIVERSITY OF TEXAS AT DALLAS	MASTER OF SCIENCE IN ELECTRICAL ENGINEERING
		B.E EEE	Department of Electrical & Electronics Engineering	INTO UNIVERSITY OF SOUTH FLORIDA	GRADUATE PATHWAY-ELECTRICAL ENGINEERING
		B.E EEE	Department of Electrical & Electronics Engineering	UNIVERSITY 0F WINDSOR	MASTER OF SCIENCE IN ELECTRICAL ENGINEERING
		B.E EEE	Department of Electrical & Electronics Engineering	Institute of Chartered Accountant of India	CHARTERED ACCOUNTANT
		B.E EEE	Department of Electrical & Electronics Engineering	Anna University	MASTER OF ENGINEERING
2017-18	10	B.Tech IT	Department of Information Technology	RMIT, Australia	M.S
		B.Tech IT	Department of Information Technology	University of New York at Buffalo	M.S
		B.Tech IT	Department of Information Technology	New Jersy Institute of Technology	M.S
		B.Tech IT	Department of Information	National College of	M.S

				Technology	Ireland	
		B.Tech IT	Department of Information Technology	Green State University	MS
		B.Tech IT	Department of Information Technology	IFMR-Chittur	MFM
		B.Tech IT	Department of Information Technology	REC	M.E
		B.Tech IT	Department of Information Technology	Anna University - Chennai	M.E
		B.Tech IT	Department of Information Technology	University of Bridgeport	M.S
		B.Tech IT	Department of Information Technology	University of Ireland	M.S
2017-18	8	BE Mech	Department of Mechanical Engineering	Eswari Engineering College, Chennai	MBA
		BE Mech	Department of Mechanical Engineering	Institute of Financial Management and Research, Andra Pradesh	MBA
		BE Mech	Department of Mechanical Engineering	National Power Training Institute Nagpur	PGDC
		BE Mech	Department of Mechanical Engineering	ICFAI Business School, Hyderabad	MBA
		BE Mech	Department of Mechanical	Annamalai University,	M.A Criminology

		BE Mech	Department of Mechanical Engineering	University of Texas, Arlington	MS
		BE Mech	Department of Mechanical Engineering	D G Vaishnav College	M.A Journalism
		BE Mech	Department of Mechanical Engineering	AMET University, Chennai	M.E Marine Engineering

(Note: first visible row shows "Engineering" / "TamilNadu")

5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)		
Items	No. of Students **selected/ qualifying**	**Registration number/roll number for the exam**
NET		
SET		
SLET		
GATE	10	
GMAT	26	
CAT	5	
GRE		
TOFEL	2	
Civil Services		
State Government Services	5	
Any Other **IELTS**	7	

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year		
Activity	Level	Participants
College Sports Day	College	600
College Culturals Day	College	425
Women's Day	College	650
Zonal Tournament – Badminton	Zonal	180
Zonal Tournament – Handball	Zonal	180

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2017-18	Winners - Anna University Zonal Badminton Tournament	Zonal	Ball badminton (Men)		College Ball badminton (Men) team	College Ball badminton (Men) team
2017-18	Anna University Zonal Cricket Tournament	Zonal	Cricket (Men)		College Cricket (Men) team	College Cricket (Men) team
2017-18	Anna University Inter Zonal Badminton Tournament conducted by KSR Engineering College Tiruchengode	Zonal	Ball badminton (Men)		College Ball badminton (Men) team	College Ball badminton (Men) team
2017-18	Silver Medal - Hammer throw and Discuss throw in Anna University Zone-2 Athletic Meet.	Zonal	Atheletics			S.Arun of IIV Mech
2017-18	Gold Medal in Javelin throw in Anna University Zone-2 Athletic Meet.	Zonal	Atheletics			B.Y.KISHAN TH of I Aero
2017-18	Gold Medal in Half marathon in Anna University Zone-2 Athletic Meet.	Zonal	Atheletics			K.Koushik
2017-18	Silver Medal in High Jump in Anna University Zone-2 Athletic Meet.	Zonal	Atheletics			U.S.Udhayan III Mech
2017-18	Bronze Medal in 110m Hurdles in Anna University Zone-2 Athletic Meet.	Zonal	Atheletics			T.Sakthivel of III-Civil
2017-	Gold Medal in Short put and silver medal in	Zonal	Atheletics			Sruthi G Srinivas of IV

18	discuss throw in Anna University Zone-2 Athletic Meet					Bio-Tech
2017-18	Second position in State level Inter collegiate Volleyball Tournament conducted by VIT Vellore on 13.02.18.	State	Volleyball		College Volleyball (women) team	College Volleyball (women) team
2017-18	Winners - State level Inter collegiate Throw ball Tournament conducted by Tamil Nadu Throw ball Association from 09.02.18 to 11.02.18.	State	Throwball		College Throw ball (Men) team	College Throw ball (Men) team
2017-18	Winners - State level Inter collegiate Cricket Tournament conducted by Sri Venkateshwara college of Engineering, Sriperumpudur from 20.02.2018 to 25.02.2018.	State	Cricket		College Cricket (Men) team	College Cricket (Men) team
2017-18	Title in State level Inter collegiate Throw ball Tournament conducted by MNM Jain Engineering College from 28.02.18 to 01.03.18.	State	Throwball		College Throw ball (women) team	College Throw ball (women) team
2017-18	Title in State level Inter collegiate Football Tournament conducted by Alpha Engineering College from 27.02.2018 to 01.03.2018	State	Football		College Football (Men) team	College Football (Men) team
2017-	Title in State level Inter collegiate Throw ball				Throw ball (women)	Throw ball

18	Tournament conducted by Saveetha Engineering College on 07.03.18 & 08.03.18				team	(women) team
2017-18	Title in State level Inter collegiate Cricket Tournament conducted by Saveetha Engineering College from 22 to 26th March 2018				College Cricket (Men) team	College Cricket (Men) team

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)
Students are members in the following committees • Class committee for each class • Anti ragging committee • IQAC • Grievance redressal committee • Women harassment prevention cell Students are members of various committees. Class committee meeting is held in the department with representation from students for understanding academic & non-academic related issues. Class committee meeting is conducted twice in a semester for each class. Anti-ragging committee, IQAC, Grievance Redressal committee and women harassment prevention cell has student members to provide a conducive atmosphere in the campus for students. Regular meetings are conducted and students actively participate in all the meetings.

5.3 Alumni Engagement
5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):
Yes. Alumni Association is administered by an Alumni Committee. The alumni association is very active in promoting interactions and camaraderie among the alumni, staff and the management. Besides helping the alumni in all possible ways, it also lends its support to the college to achieve its cherished goals, its vision and mission. Alumni students are invited to offer guest lectures, mentor student projects and judge student competitions. Alumni do refer their juniors for suitable placements and other opportunities.

5.3.2 No. of registered Alumni: **6242**
5.3.3 Alumni contribution during the year (in Rupees) **:   Rs. 1,00,000**

5.3.4 Meetings/activities organized by Alumni Association **:**

- Demonstration of Shock Tunnel at IISc, Bangalore by **Karthik S.K of Aero Dept on 8-7-17**
- The Alumni interaction of Biotechnology department on 25/2/17 and 15-07-2017 for the current third and final year students by **Mokshika Kaushik** (2013-17 batch Biotech) – M.S in Nutrition Science, University of Reading ,UK
  Madhumita Suresh (2013-17 batch Biotech)– M.S in KECK graduate Institute of Applied Life Science , California
  Vignesh R.A (2012-16 batch Biotech) – Entrepreneur
  Sreenidhi.K.S (2011-15 batch Biotech) – Project Assistant
  Sriram K (2012-16 batch Biotech)- Research Associate, Novazyme
  Sachin (2009-13 batch biotech)- Project Associate, CCMB
- A Workshop on Bootstrap by **Mr. Ashwin Irudayarajan (B.E. CSE)**, Freelancer, Precision Infinite Ventures, Chennai on 13-9-17
- Guest Lecture on Cloud Computing and its Applications by **Mr. G. Vishnu Deepak on 24-6-17**
- One Day Seminar on Methodologies to overcome Security Breach in Networks by **Mr. N. Arun Kumar & B. Divya on 24-6-17**
- Mentors in Technical Event - Hack4Throne -

  Mr.E.Yogesh   2011-2015 & IT
  Mr.G.Vishnu Deepak   2013-2017 & IT
  Mr.S.R.N.Santhosh Kumar 2012-2014 & M.E-SE
  Mr.R.Muthubharathi   2007-2011 & CSE
  Mr.K.Vaishak   2013-2017 & IT
  Mr.P.Parthiban   2011-2013 & M.E-SE
  Mr.S.Sudharshan   2011-2015 & IT
  Mr.T.Kirubakar 2006-2010 & CSE
  Mr.M.Arul   2006-2010 & CSE
  Mr.Mithun Mohan   2014-2016 & M.E-SE
  Mr.Rathnakanth 1998-2002 & IT
  Mr. A. Ramakrishnan   2011-2015 & IT
- Guest Lecture on "Recent Trends in Engineering" by **Mr. J. Karthik on 23-8-17**
-

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT
6.1 Institutional Vision and Leadership
6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)
Enrichment of knowledge and academic performance : Faculty development programmes and student workshops are identified and organised at the discretion of HoD of every department. Departments are empowered to organise any event or industrial visit that would benefit in the knowledge enrichment of the faculty and students. Coaching classes for weak students and coaching for competitive exams are planned and delivered at department level. Heads and faculty members are part of all college level committee that include Event organising committee, statutory committee, Board of Studies, Academic Council, College Development Council, IQAC, disciplinary committee, All types of monitoring committee and academic Guardians.

6.1.2 Does the institution have a Management Information System (MIS)? Yes/No/Partial:
Yes

6.2 Strategy Development and Deployment
6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each)**:**
❖ **Curriculum Development** – Board of Studies of each department meets every year and updates the curriculum. Members from affiliating university, reputed institutions and industry provide their suggestions and ensure technical updates in the courses and syllabi
❖ **Teaching and Learning** – Faculty are allotted courses based on their preference and expertise. A mentor is made available for reference and monitoring. A systematic faculty preparation programme is in place, which get the lesson plan and delivery schedules in advance. Appropriate suggestions to adopt modern teaching methodologies are provided and necessary teaching aids are provided. Students and faculty are encouraged to learn open online courses and due facilities are extended from the college. Taking up online certification exam from reputed institutes, after approval of the authorities are considered for credit of their coursework.
❖ **Examination and Evaluation** – Continuous assessments tests are conducted centrally by examination department. Question papers for the courses offered are collected in 2 sets from the faculty and one of them is chosen by controller of examinations. After evaluation, the answer scripts

are audited by external experts with reference to the answer keys prepared by the faculty. End semester exams are conducted with a well discussed schedule and evaluated with external experts.

❖ **Research and Development** – A Centre for Scientific Research & Consultancy
Centre for Sponsored Research and Consultancy (CSRC) was constituted to strengthen research activities, enhance industry interaction and foster industry relevant research. It also works towards nurturing research culture. CSRC regularly keeps track of all sponsorships given by Government and Government bodies for research and update the information to faculty members. Faculty members are encouraged for applying for various research funds, their applications are verified by CSRC and support is given for applying for various funded projects. Faculty members are encouraged to pursue doctoral degree and on-duty facility is provided for the same.

❖ **Library, ICT and Physical Infrastructure / Instrumentation** : Library is functioning well with full-fledged staff members, automated system and has latest edition books. Students make the best use of it. Each student is given library card and they make the best use of the facility. ICT is utilized to the fullest extent with the digital room made available with adequate computers and digital content. Physical Infrastructure like classrooms, auditorium, seminar halls, computer labs and other labs are available in sufficient numbers for usage. Our college focuses on continuous updation of curriculum based on industry requirements. With this in mind the laboratory facilities and the instruments used therein is updated accordingly with the latest equipments each year alongside curriculum updation.

❖ **Human Resource Management** : Human Resources are managed well with a special department to take care of all the processes like recruitment, compensation, appraisal and exit processes. Training and Placement department takes care of the faculty training and development programs. Faculty are encouraged to constantly update their knowledge by participating and involving in seminars, conferences and development programs. Management encourages faculty with funds which reimburses payments for attending various programs.

❖ **Industry Interaction / Collaboration**: Industry Institute Interaction (III) is given high priority. Our college decides on the curriculum based on inputs from industry experts and academicians. Each year Board of Studies Meeting is conducted in each department to align and update the curriculum with the latest revisions & technology. Apart from this, industry experts are invited to share their expertise with students through guest lectures. Industry visits are organized for students to understand the practical applicability of their knowledge. MoUs are signed with various organizations technical and academic. Technical institutions provide internships, projects and offer placements to students. Academic institutions help our college in higher studies, exchange programs, etc.

❖ **Admission of Students** : Admissions happen in the college through government quota (Anna University counselling) and through management quota and by category. For Under-graduation programs minimum pass percentage in HSC is fixed for each category for admissions. Lateral entry admissions have minimum pass percentage in their diploma programs. For Post-graduation programs, appropriate under-graduation degree in Anna University or other university accepted by Syndicate of Anna University with minimum pass percentage is necessary for admissions.

6.2.2 : Implementation of e-governance in areas of operations:

"Unified" – the management information system developed for our college serves as a complete suite to carry out all the academic and support functionalities required for the institution. It covers each and every task performed and provides dynamic reporting with all parameters as required. It covers the tasks in all the following broad modules as,

- ❖ Planning and Development
    - o Resources reservation & Utilization
    - o Service requests
    - o Purchase requests
    - o Procurement procedure
    - o Training schedules
- ❖ Administration
    - o Event request and approvals
    - o Issue of LoR
    - o Faculty database
    - o Leave applications and approval
- ❖ Finance and Accounts
    - o Budget request and approvals
    - o Purchase Indent and payment
    - o Faculty and staff salary
    - o Student Fee details
- ❖ Student Admission and Support
    - o Student data
    - o Class and section allocation
    - o Elective choice and grouping
    - o Faculty allotment
    - o ID card request
    - o Bonafide request
    - o Attendance reports
- ❖ Examination
    - o Course registration
    - o Internal marks uploading and consolidation
    - o Hall ticket generation
    - o Grade sheet generation

6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2017-18	P K Dinesh Dinesh Kumar	International Conference On Composite Materials		15754.00
2017-18	Balaji Rajendran	Vibrations And Aero Elasticity		1100.00
2017-18	Balaji Rajendran	Fea Simulation Of Composite Structures- Impact And		764.00
2017-18	Lakshmipriya V	Rasperry Pi Based Industrial Application With Iot		2000.00
2017-18	Anbalagan Ranganathan	Cdamies 2018		4000.00
2017-18	Nanthakumar AJD	CDAMIES2018		4000.00
2017-18	Edwin Joseph R	3rd Edition Conference On Automotive Design And St		2500.00
2017-18	Arunkumar R	Automotive Design & Styling Conference		2500.00
2017-18	Nanthakumar AJD	National Technical Seminar FTS 2018		1500.00
2017-18	Anbalagan Ranganathan	One Day National Workshop On Concept Development		800.00
2017-18	Manjusha M	NPTEL EXAM		1100.00
2017-18	Padmasini N	Nptel Exam		1100.00
2017-18	Sudha Singaram	Nptel Exam		1100.00
2017-18	Sudha Singaram	Advances In Material Science And Technology		3500.00
2017-18	Vasantharani R	International Conference On "Trends In Biochemical		5000.00
2017-18	Karuppathal E	International Conference On "Trends In Biochemical		5000.00
2017-18	Jobin Christ M C	Meetcon'17		2500.00
2017-18	Padmasini N	Deep Learning		1500.00
2017-18	Neela Harish	Nasscom -Driving Ms.Self		1000.00
2017-18	Neela Harish	Arm Cortex Programming		2000.00
2017-18	Ramya Varatharajan T	Certificate Course On Effective Patent Drafting		5000.00
2017-18	Padmasini N	Major Challenges Of Medical Imaging And Big Data A		750.00
2017-18	Millicent Mabel M	Bioeconomy India Conclave 2018		4501.00
2017-18	Haripriya Dayalan	Winter Internship		5100.00

2017-18	Rekha Ravindran	Winter Internship Program		5380.00
2017-18	ANITHA THULASI Thulasi	WINTER INTERNSHIP PROGRAM		5380.00
2017-18	Jayasree Ravindran	Winter Internship Program		5380.00
2017-18	Mary Rosana Nt	Nptel		1100.00
2017-18	Ambigadevi J	NPTEL ONLINE COURSE		1100.00
2017-18	Sowmiya S	NPTEL Online Course		1100.00
2017-18	Ambigadevi J	Applications Of Process Simulation Using Aspen Plu		1200.00
2017-18	Suresh Babu Babu K	2nd International Conference On Recent Advances In		1500.00
2017-18	Jasmine S	Advancement And Challenges In Chemical Sciences		950.00
2017-18	Suresh Babu Babu K	Ican 2018 2nd International Conference On Advances		2500.00
2017-18	Manonmani Mani R	ICORTAC -2018		3100.00
2017-18	Udhayakumari D	Icortac-2018		3776.00
2017-18	Mohandoss S	Icortac-2018		3500.00
2017-18	Mohan S	On Advancements And Chalnges In Chemical Science		1000.00
2017-18	Janaki S	Advances In Innovative Materials For Energy		800.00
2017-18	Anu Subramonia Bharathy	National Conference		300.00
2017-18	Ramadevi P	Recent Innovations In Applied Chemistry And Advanc		500.00
2017-18	Manonmani Mani R	2ES2C'18		450.00
2017-18	Udhayakumari D	2es2c'18		730.00
2017-18	Sureshkumar Sundaravel	"Recent Trends Micro Fluidics, Lab-On-A-Chip And		1500.00
2017-18	Sureshkumar Sundaravel	Corrosion Control In Biomedical Devices -Ccbd 2018		1250.00
2017-18	Manonmani Mani R	NASSCOM		1450.00
2017-18	Manoharan Moorthy	Nptel		1100.00
2017-18	Divya Susanna K	Nptel		1100.00
2017-18	Madhava Perumal R	International Journal Of Engineering And Techniqu		1280.00
2017-18	Jeyaarthi A J	Ijlemr		1500.00
2017-18	Premkumar Shanmugam	Ijlemr		1550.00
2017-18	Muthu Lakshmi S	International Journal Of Innovative Research Explo		1500.00
2017-18	Muthu Lakshmi S	International Research Journal Of Engg. & Tech.		1537.00
2017-18	Muthu Lakshmi S	Lice 2018		600.00
2017-18	Muthu Lakshmi S	Ncetset-2018		1000.00
2017-18	Mahamood Ul Hasan N	EMERGINGTRENDS ON PCC		1000.00
2017-18	Udhayakumar S	NPTEL EXAM		1100.00
2017-18	Udhayakumar S	NPTEL EXAM		1100.00
2017-18	Silviya Nancy J	Nptel Exam		1000.00

2017-18	Vijayakumar R	NPTEL Exam		1100.00
2017-18	Devaki Kalyankumar	Nptel Online Certification Exam		1100.00
2017-18	Jaeyalakshmi M	Programming, Data Structures And Algorithms Using		1100.00
2017-18	Rajeswari P	International Conference On Advanced Information		2000.00
2017-18	Ponmani S	Ijcrt		1500.00
2017-18	Surya Elango	Ijraset		1175.00
2017-18	Jayashree K	SCOPUS INDEXED JOURNAL		6500.00
2017-18	Jananee V	Ijeecs		5000.00
2017-18	Shalini Ponnusamy	Ijeecs		5000.00
2017-18	Dhivya S	Ijeecsf		5000.00
2017-18	Devaki Kalyankumar	Aicte Sponsored National Seminar		1000.00
2017-18	Anu Barathi B U	Nptel		1100.00
2017-18	Nirmala M G	NPTEL		1100.00
2017-18	Surya Elango	Nptel		1100.00
2017-18	Vaidhya Gk	Nptel Ceritification		1100.00
2017-18	Gnanavel S	Nptel Online Course		1100.00
2017-18	Susmita Mishra	Nptel Online Course		1100.00
2017-18	Ponmani S	Nptel Online Course		1000.00
2017-18	Ponmani S	Nptel Online Course		1100.00
2017-18	Tejeswinee K	Nptel Online Course		1100.00
2017-18	Rajeswari P	NPTEL ONLINE EXAM		1100.00
2017-18	Nandhini LK	NPTEL ONLINE EXAM		1100.00
2017-18	Vijayakumar R	Smart India Hackthone		1730.00
2017-18	Nirmala M G	CFP Workshop On Change Management		531.00
2017-18	Jaeyalakshmi M	Change Management		531.00
2017-18	Udhayakumar S	Deep Learning		2000.00
2017-18	Durai Murugan Murugan N	Deep Learning		2000.00
2017-18	Narayana K E	Mentoring Educators In Information Technology		1700.00
2017-18	Suresh Kumar Srinivasan	Npet		1250.00
2017-18	Diviya M	NPTEL		1100.00
2017-18	Abirami R	NPTEL CERTIFICATION		1100.00
2017-18	Narayana K E	Nptel Certification Exam		1100.00
2017-18	Andrea L	NPTEL Certification Exam		1100.00
2017-18	Karthick K	IOT For Industrial Applications		1500.00
2017-18	Meena R	Nptel		2200.00
2017-18	Karthick K	NPTEL ANALOG COMMUNICATIONS		1000.00
2017-18	Anitha Mary Mary M	Nptel Course On Analog Circuits		1000.00
2017-18	Anitha Mary Mary M	Nptel Course On Electromagnetic Theory		1100.00
2017-18	Benazir Begam R	Nptel Exam		1000.00
2017-18	Jhanani Shree U	Nptel Exam Fee		1100.00
2017-18	Benazir Begam R	Nptel Exam Fee		1100.00
2017-18	Thilakavathi B	NPTEL- RESEARCH WRITING		1100.00

2017-18	Jamuna Devi C	Nptel Exam		1000.00
2017-18	Shanmugapriya P	Nptel Exam		1000.00
2017-18	Pavithra S	ACE International Conference On Applied Science En		1500.00
2017-18	Pavithra S	CONTEMPORARY ENGINEERING AND TECHNOLOGY 2018		2200.00
2017-18	Bharathy R	Icsie 2018		5900.00
2017-18	Jhanani Shree U	Icsie 2018		6000.00
2017-18	Anitha Mary Mary M	Icsie 2018		6000.00
2017-18	Radhamani V	A Multisignal Acquition Systemusing Iot		1175.00
2017-18	Sathish M	Journal Of Information And Communication Technolog		1000.00
2017-18	Thasleem Bhanu Shaik	Journal Of Information And Communication Technolog		3000.00
2017-18	Sasirekha D	Cii Indian Women Network Tamil Nadu Womencon-Press		750.00
2017-18	Palanivelan M	Nptel		1100.00
2017-18	Senthil Kumar Kumar K	Nptel Online Exam		1100.00
2017-18	Hod Ece	Nptel Online Exam		1100.00
2017-18	Manikandan Thiyagarajan	Nptel Online Exam		1100.00
2017-18	Sushma S Jagtap	Journal Of Information And Communication Technolog		4000.00
2017-18	Sathish M	Journal Of Information And Communication Technolog		4000.00
2017-18	Anitha S	Publication In Journal Of Information And Communic		4000.00
2017-18	Radhamani V	Driving Ms.Self Nasscom Diversity And Inclusion		1000.00
2017-18	Sasirekha D	5-Day Refresher Course On Antennas		2400.00
2017-18	Karthi J	5-DAY REFRESHER COURSE ON ANTENNAS		2400.00
2017-18	Gururaj D	Coupling-Matrix Design Of Advanced RF/Microwave		5000.00
2017-18	Sheena Christabel Pravin	Fdp On Machine Learning Using R-Programming		1500.00
2017-18	Jamuna Devi C	Image Processing ,Computer Vision&Machine Learning		3500.00
2017-18	Shanmugapriya P	Image Processing,Computer Vision &Machinelearning		3500.00
2017-18	Helanvidhya Vidhya T	Iot For Industrial Applications		1500.00
2017-18	Anitha Mary Mary M	Matlab Integrated With Fpga In Image Processing		600.00
2017-18	Benazir Begam R	Matlab Integration With Fpga In Image Processing		600.00
2017-18	Sasirekha D	Memsta'18		900.00

2017-18	Radhamani V	Nptel		1000.00
2017-18	Tamilarasi M	Nptel		1100.00
2017-18	Asha Ayyappan	Nptel		1100.00
2017-18	Devi Bhagavathi	Nptel _ Control Engineering		1000.00
2017-18	Thasleem Bhanu Shaik	Nptel Course On "Antennas"		1100.00
2017-18	Devi Bhagavathi	Nptel Exam		1100.00
2017-18	Helanvidhya Vidhya T	Nptel Online Exam		1100.00
2017-18	Chitra S	Nptel- Basics Of Software Defined Radio		1100.00
2017-18	Chitra S	Nptel- Introduction To Wireless And Cellular Commn		1000.00
2017-18	Priya B	Patent Draft		5000.00
2017-18	Manikandan Thiyagarajan	Rf Circuits And Antenna Design Using Ads,Cst &Hfss		1000.00
2017-18	Chitra S	Software Defined Radio- Enabling Technology		1000.00
2017-18	Bhagyalakshmi L	Software Defined Radio- Enabling Technology		1000.00
2017-18	Pavithra S	Three Days Faculty Development Program On Internet		1500.00
2017-18	Thasleem Bhanu Shaik	Training On Rf Circuits And Antenna Design		1000.00
2017-18	Satheesh Kumar Kumar S	Two Days Handson Iot And Embedded System		1580.00
2017-18	Radhamani V	Wireless Networks For Smart City Applications		1000.00
2017-18	Thirusenthil Kumaran Panchatcharam	Nptel		1100.00
2017-18	Venkatesh V	NPTEL		1100.00
2017-18	Umamaheswari MG	NPTEL		1100.00
2017-18	Amutha C	NPTEL		1100.00
2017-18	Anitha P	NPTEL - Introduction To IOT		1000.00
2017-18	Sivagami V	Nptel -Auomatic Control		1100.00
2017-18	Sivagami V	Nptel -Auomatic Control		1100.00
2017-18	Jeny Sophia S	Nptel Course		1000.00
2017-18	Jayashree K	Nptel Course		1000.00
2017-18	Jayashree K	Nptel Course		1100.00
2017-18	Sivagami V	Nptel Course On Electrical Machines		1000.00
2017-18	Sivagami V	Nptel Course On Electrical Machines		1000.00
2017-18	Arulmozhi M	NPTEL EXAM		1100.00
2017-18	Santhana Krishnan T	Nptel Online Course		1100.00
2017-18	Lekshmisree B	Icperes 2018		7000.00
2017-18	Sivamani D	Icperes-2k18		2000.00
2017-18	Anitha P	ICPRES II		2000.00
2017-18	Sivamani D	Nptel Examination		1000.00
2017-18	Rajalakshmi Alavanthan	Panel Of Conference Organizers		2500.00

		(Mini Poco)-2018		
2017-18	Kavitha R	International Seminar On Power Sector Sustainabili		2000.00
2017-18	Mariammal Thirumeni	Nptel		1100.00
2017-18	Mariammal Thirumeni	Nptel		1000.00
2017-18	Kavitha R	NPTEL		1000.00
2017-18	Sangari A	Automation Using Internet Of Things		1000.00
2017-18	Anto Sheeba J	Automation Using Iot		1000.00
2017-18	Geethapriya V	E Yantra Teacher Training Workshop		4750.00
2017-18	Ponnalagu Rn	E-Yantra		5290.00
2017-18	Kavitha Jayapalan	E-Yantra Teacher Training Workshop		4750.00
2017-18	Ponnalagu Rn	Emc Standards And Measurements		2000.00
2017-18	Devimaheswaran Maheswaran V	EMC Standards And Measurements		2000.00
2017-18	Padmavathi R	Fdtp On Power System Transients		1001.00
2017-18	Anitha P	IOT For Industrial Applications		1500.00
2017-18	Ron Carter S B	Pals Training Program		2130.00
2017-18	Padmavathi R	Renewable Power Generation & Recent Emb. Ctrllers.		1000.00
2017-18	Jayashree K	Renewable Power Generation &Recent Embedded Contro		1000.00
2017-18	Amutha C	RENEWABLE POWER GENERATION AND RECENT EMBEDDED		1000.00
2017-18	Lekshmisree B	Renewable Power Generation And Recent Embedded Con		1000.00
2017-18	Anto Sheeba J	Renewable Power Generation And Recent Embedded Con		1000.00
2017-18	Sangari A	RENEWABLE POWER GENERATION AND RECENT EMBEDDED CON		1000.00
2017-18	Arulmozhi M	RENEWABLE POWER GENERATION AND RECENT EMBEDDED CON		1000.00
2017-18	Jeny Sophia S	Renewable Power Generation And Recent Embedded Con		1000.00
2017-18	Sreemallika R	Renewable Power Generation&Recent Embedded Control		1000.00
2017-18	Sivamani D	Renewable Power Generation&Recent Embedded Control		1000.00
2017-18	Alamelu G	Nptel Course		1100.00
2017-18	Janet Gnanakkan	Nptel Online Course		1100.00
2017-18	Janet Gnanakkan	Diversity And Inclusion Initiative		1100.00

Year	Name	Description		Amount
2017-18	Nisha R S	Exam Fee-NPTEL 8 Weeks Course On Data Analytics		1000.00
2017-18	Anitha G	NPTEL		1100.00
2017-18	Anitha G	NPTEL		1100.00
2017-18	Baghavathipriya Sankaralingam	Nptel		2200.00
2017-18	Dyanaa A	NPTEL		1100.00
2017-18	Nagendra Kumar S	Nptel		1100.00
2017-18	Irumporai A	Nptel Exam		1100.00
2017-18	Poornimathi K	NPTEL EXAM		1100.00
2017-18	Nisha R S	Nptel Exam On Data Mining		1377.00
2017-18	Sree Subha Subha S	Csi Convention-Social Transformation Digital Way		5000.00
2017-18	Mehfooza M	ICAIEA 2018		4500.00
2017-18	Dyanaa A	IJMER		3000.00
2017-18	Poonkuzhali S	Csi 52nd Annual Convention		21000.00
2017-18	Joslin Iyda J	Nptel Examination Data Mining		1377.00
2017-18	Irumporai A	3d Printing		1396.00
2017-18	Babu R	A To Z Of 3D Printing		1500.00
2017-18	Babu R	Database Management System		1100.00
2017-18	Nisha R S	FDTP On Data Analytics		1000.00
2017-18	Nisha R S	Hands On Training Programme On Big Data Analytics		1000.00
2017-18	Anitha G	Machine Learning Using R-Programming		1500.00
2017-18	Visalaxi Sankaravadivel	Nptel Certification Exam		1100.00
2017-18	Usha Sarangapani	Nptel Examination		1100.00
2017-18	Raisha Banu A	NPTEL Online Exam		1100.00
2017-18	Sindhuja M	Statistical Analysis Using R		500.00
2017-18	Senbagamalar Malar J	Mathematical Computer Science		1500.00
2017-18	James V	Iccameet		1000.00
2017-18	Sivakumar B	Iccameet-2018		1000.00
2017-18	Nathiya R	ICCAMEET-2018		1000.00
2017-18	Sunil Kumar V R	International Conference On Pure And Applied Math		2000.00
2017-18	Santhana Lakshmi Lakshmi C	Pure And Applied Mathematics		2000.00
2017-18	Helen Vijitha P	Mathematics And Computer Applications		1700.00
2017-18	Sylvia Elizabeth S	Mathematics And Computer Applications		1948.00
2017-18	Senbagamalar Malar J	National Conference On Emerging Trends In Mathemat		2500.00
2017-18	Velankanni A	NCETMAET-2018		2500.00
2017-18	Krithika R	NCETMS-2017		400.00
2017-18	Hema R	Ncrtfma		1200.00
2017-18	Sudha S	Recent Trends In Fuzzy Mathematics And Its App		1227.00

2017-18	Kalpana B	Diversity And Inclusion Initiative		1200.00
2017-18	Venkatesan J	Exploring Computational Fluid Dynamics		850.00
2017-18	Uma K	Fluid Dynamics And Its Applications		710.00
2017-18	Sunil Kumar V R	Iwgie2018_Workshop		1481.00
2017-18	Lakshmi V	Workshop On Fluid Dyanmics And Its Application		600.00
2017-18	Venkatesan J	Workshop On Fluid Dynamics And Its Appliations		600.00
2017-18	Suresh S	Contemporary Management Pratices In Digital India		1000.00
2017-18	Thomas T C	Bullet Proof Investing		3500.00
2017-18	Deborah Sharon Stanley	Case Analysis And Teaching		1000.00
2017-18	Prasannakumari V	NPTEL Certification Exam		1100.00
2017-18	Santhanam V	Internet Of Things For Industrial Applications		2500.00
2017-18	Ramkumar S	Iot-RIT		2500.00
2017-18	Ramkumar S	Iot-RIT		2500.00
2017-18	Shankar Emarose	Nptel		1100.00
2017-18	Devanathan C	Patent Drafting For Begineers		1400.00
2017-18	Arumugam P	Cdamis 2018		5000.00
2017-18	Srinivasan Sp	Icaiea 2018		4000.00
2017-18	Vidhushini P	ICAIEA 2018		3530.00
2017-18	Arulmurugan S	Int. Conf. On Automobile, Marine & Mechanical Engg		5000.00
2017-18	Abraham Anthony Anthony D	Nptel		1300.00
2017-18	Abraham Anthony Anthony D	Nptel		1300.00
2017-18	Santhanakrishnan M	Exploring Patent Drafting & Filing		300.00
2017-18	Abraham Anthony Anthony D	Vibration And Noise Engineering		1885.00
2017-18	Abraham Anthony Anthony D	Vibration And Noise Engineering		1885.00
2017-18	Thirumalaikannan K	Iot For Industrial Applications		2500.00
2017-18	Santhanakrishnan M	Art Of Doing Research		1231.00
2017-18	Aruna R	Engineering Mechanics		600.00
2017-18	Venkateshwaran N	Fdp On Vibration And Noise Engineering		1885.00
2017-18	Abraham Anthony Anthony D	Fea Simulation Of Composite Structures		600.00
2017-18	Abraham Anthony Anthony D	Fea Simulation Of Composite Structures		600.00
2017-18	Dhanaraj R	FRICTION MATERIAL CONCEPTS Formulation, Testing &		500.00
2017-18	Dhanaraj R	FRICTION MATERIAL		500.00

Year					
		CONCEPTS Formulation, Testing &			
2017-18	Vidhushini P	Hands On Training In Process Automation			400.00
2017-18	Vinoth Babu Babu Nagam	Nptel Certification Exam			550.00
2017-18	Vinoth Babu Babu Nagam	Nptel Certification Exam - Or			550.00
2017-18	Sankar Kumar M	Fdp On Material Science & Phy.For Civil Engineerin			600.00
2017-18	Vijayanarasimhan K	Three Day FDP On Materials Science And Phy For Cvl			600.00
2017-18	Kavitha Ravi	2nd International Conference On 'NEW MATERIALS'			1250.00
2017-18	Infantshyamkumar M	Ican-2018			2500.00
2017-18	Anumantha Kannan G	Icortac '18			3500.00
2017-18	Bhavani R	Icortac18			3000.00
2017-18	Rubarani P Gangadharan	National Conference On Recent Trends In Physics Of			750.00
2017-18	Saravana Kumar G	Ncrtpm - 2018			750.00
2017-18	Infantshyamkumar M	Ncrtpm-18			750.00
2017-18	Rubarani P Gangadharan	Nptel Online Certification Exam			1100.00
2017-18		**Total**			**5,14,107.00**

6.3.2 Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year					
Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2017-18	Three days Workshop on Autocad .		12-Jun-18 to 14-Jun-18	30	
2017-18	Workshop on, CATIA		05-Dec-17 to 08-Dec-17	25	
2017-18	Workshop on, PYTHON PROGRAMMING and INTERNET OF THINGS.		14-Dec-17 to 16-Dec-17	28	
2017-18	A 3 days workshop on "Matlab & Scilab "		28-Nov-17 to 30-Nov-17	30	
2017-18	International Conference on Green Manufacturing:		28-Mar-18 to 29-Mar-18	69	

	Analysis, Automation, Processes, Products, Energy & Structures				
2017-18	AVION18 Technical Symposium Organized by the department		08-Jan-18 to 08-Jan-18	85	
2017-18	Three days Workshop on Data Acquisition using LabVIEW for Aerospace Applications		12-Jun-18 to 14-Jun-18	26	
2017-18	FDP on Experimental Techniques for High Speed Jet Flows, at Heritage Centre, REC.		07-Jul-17 to 08-Jul-17	46	
2017-18	ONE DAY WORKSHOP ON INTRODUCTION TO SOLID WORKS		10-Mar-18 to 10-Mar-18	34	
2017-18	ONE DAY WORKSHOP ON PLAN CADD NEXT		12-Mar-18 to 12-Mar-18	38	
2017-18	SAE Students Convention Tier 1		25-Sep-17 to 25-Sep-17	115	
2017-18	ADVANCEMENT IN AUTOMOTIVE SAFETY		02-Mar-18 to 02-Mar-18	68	
2017-18	ONE DAY WORKSHOP ON ADVANCEMENT IN CREO PARAMETRIC		01-Feb-18 to 01-Feb-18	30	
2017-18	Practical exposure to Petrol engine fuel system		22-Sep-17 to 23-Sep-17	29	
2017-18	Electronics Circuits		19-Aug-17 to 19-Sep-17	30	
2017-18	Medical Equipment Demo		15-Sep-17 to 16-Sep-17	38	
2017-18	Pattern Recognition and Neural networks		05-Jun-18 to 12-Jun-18	30	
2017-18	Basic Science workshop		15-Feb-18 to 15-Feb-18	40	

2017-18	Analog Electronic Design Using ASLV kit and simulation PRO and TINA		21-Dec-17 to 22-Dec-17	60	
2017-18	Non Invasive Ventilators		09-Sep-17 to 09-Sep-17	20	
2017-18	Designing of Analog and Digital Circuits		05-Dec-17 to 07-Dec-17	40	
2017-18	Basic Electronics		14-Jul-17 to 14-Jul-17	40	
2017-18	Electronics Circuits		22-Aug-17 to 22-Aug-17	45	
2017-18	entrepreneurship awareness Program		14-Sep-17 to 16-Sep-17	40	
2017-18	Bio Photonics		20-Sep-17 to 21-Sep-17	28	
2017-18	HPLC Workshop		12-Jun-18 to 12-Jun-18	20	
2017-18	iQUEST		28-Feb-18 to 28-Feb-18	50	
2017-18	Introduction to Health Sector		26-Jun-18 to 26-Jun-18	50	
2017-18	HPLC Workshop		12-Jun-18 to 12-Jun-18	26	
2017-18	Journal writing		05-Sep-17 to 05-Sep-17	30	
2017-18	ENTREPRENEURSHIP: CURRENT SCENARIO, SCOPE AND OPPORTUNITIES IN FOOD & BIOPROCESSING SECTOR		15-Sep-17 to 16-Sep-17	50	
2017-18	"Hands-on training of ETABS"		15-Feb-18 to 15-Feb-18	30	
2017-18	Corrosion Resistant concrete		29-Nov-17 to 30-Nov-17	30	
2017-18	Design of High rise Buildings using ETABS		10-Jan-18 to 10-Jan-18	30	
2017-18	"Hands-on training of		15-Feb-18 to	30	

2017-18	ETABS"		15-Feb-18		
2017-18	"Hands-on training of ETABS"		23-Feb-18 to 23-Feb-18	30	
2017-18	Autodesk Revit Architecture Training		19-Mar-18 to 19-Mar-18	40	
2017-18	Autodesk Revit Architecture Training		26-Mar-18 to 26-Mar-18	40	
2017-18	Building Information Modelling		14-Feb-18 to 14-Feb-18	35	
2017-18	Autodesk Revit Architecture Training		13-Mar-18 to 13-Mar-18	40	
2017-18	Primavera and MS Project		05-Jul-17 to 05-Jul-17	30	
2017-18	Training on STAADPro		07-Jul-17 to 07-Jul-17	30	
2017-18	ETABS for structural design and Analysis		20-Jul-17 to 20-Jul-17	30	
2017-18	Training on Revit Architecture		21-Jul-17 to 21-Jul-17	30	
2017-18	Workshop on BIM		29-Jul-17 to 29-Jul-17	30	
2017-18	Engineers Day-E creation-Poster and Model competition		14-Sep-17 to 14-Sep-17	50	
2017-18	Use of Total Station for Civil Engineering Applications		04-Aug-17 to 04-Aug-17	25	
2017-18	ETABS for Structural Design		24-Aug-17 to 24-Aug-17	26	
2017-18	BIM / VDC for Construction		15-Mar-18 to 15-Mar-18	30	
2017-18	FACULTY DEVELOPMENT TRAINING PROGRAM ON DESIGN OF		05-Dec-17 to 12-Dec-17	30	

	REINFORCED CONCRETE AND BRICK MASONRY STRUCTURES				
2017-18	Autodesk Revit Architecture Training		05-Mar-18 to 05-Mar-18	30	
2017-18	Introduction to Sustainable Buildings & LEED v4 Rating Systems		05-Mar-18 to 07-Mar-18	35	
2017-18	International Conference on Green Manufacturing:Analytics, Automation, Processes, Products, Energy & Stucture (GM:AAPPES 2018)		28-Mar-18 to 29-Mar-18	80	
2017-18	BIM / VDC for Construction		07-Mar-18 to 07-Mar-18	30	
2017-18	UTLP Training		12-Dec-17 to 16-Dec-17	30	
2017-18	Webinar on Technology Assessment		22-Mar-18 to 22-Mar-18	40	
2017-18	Webinar on A modernized device management strategy with Vmware by Rizwan Shaikh, Workspace Architect, VMware		09-May-18 to 09-May-18	40	
2017-18	Webinar on A modernized device management strategy with Vmware by Rizwan Shaikh, Workspace Architect, VMware		09-May-18 to 09-May-18	43	
2017-18	Workshop on Object Oriented Programming with Graphics		19-Jun-18 to 19-Jun-18	30	

2017-18	Orientation on Block chain		18-Jan-18 to 18-Jan-18	43	
2017-18	Basics of Data Analytics		21-Jan-18 to 21-Jan-18	30	
2017-18	Environmental Sustainable Health and Safety Sessions - Green IT & Road Safety		24-Jan-18 to 24-Jan-18	35	
2017-18	Texas Instruments Hands on Workshop on Internet of Things (IoT)		30-Mar-18 to 31-Mar-18	30	
2017-18	Technical Hands-on Session titled " Incident Response & Disk Encryption Forensics		03-Mar-18 to 03-Mar-18	30	
2017-18	Big Data and Hadoop - Training Programme II		20-Mar-18 to 22-Mar-18	30	
2017-18	Big Data and Hadoop - Training Programme I		14-Mar-18 to 19-Mar-18	30	
2017-18	Data Science and Big Data Analytics		06-Mar-18 to 10-Mar-18	35	
2017-18	Nasscom Product Market Fit		19-Apr-18 to 19-Apr-18	30	
2017-18	UEM Analytics Engine - Mobile Device and App Usage Analytics-Driven Business Intelligence		12-Apr-18 to 12-Apr-18	30	
2017-18	Best Practices for Effective Endpoint Security		24-Apr-18 to 24-Apr-18	35	
2017-18	Webinar: Fighting Back Against Cryptojacking		25-Apr-18 to 25-Apr-18	50	
2017-18	Webinar on Protect your data everywhere, from physical to virtual to cloud		14-Sep-17 to 14-Sep-17	50	

2017-18	Webinar on Discover Dell Endpoint Security.		13-Sep-17 to 13-Sep-17	50	
2017-18	webinar on Modeling and Pricing Cloud Migration Scenarios		02-Sep-17 to 02-Sep-17	50	
2017-18	National Conference on Innovative Research Trends in Digital India (IRDIGIN-2K18)		23-Mar-18 to 24-Mar-18	85	
2017-18	Mobile Application Development		19-Jul-17 to 26-Jul-17	45	
2017-18	Problem Solving Prelims		09-Aug-17 to 09-Aug-17	40	
2017-18	Debugging Prelims		10-Aug-17 to 10-Aug-17	48	
2017-18	Quiz Prelims		11-Aug-17 to 11-Aug-17	40	
2017-18	Tutorial on Web Application Development Using Hibernate with Spring MVC		11-Sep-17 to 11-Sep-17	45	
2017-18	Training program on Sales Force		25-Sep-17 to 25-Sep-17	30	
2017-18	Webinar on Operationalising Threat Intelligence		27-Sep-17 to 27-Sep-17	40	
2017-18	Webinar on Empower Your Digital Workplace		20-Sep-17 to 20-Sep-17	40	
2017-18	Webinar on Virtual Reality Simulation & Training for Education		26-Sep-17 to 26-Sep-17	40	
2017-18	Webinar on Understanding Real World Storage Workloads		19-Sep-17 to 19-Sep-17	40	
2017-18	Webinar on VM World 2017 Wrap Up: Top Trends You Need to		13-Sep-17 to 13-Sep-17	35	

	Know				
2017-18	Webinar on Campus Fabrics & Future Ready Networking solutions.		26-Sep-17 to 26-Sep-17	45	
2017-18	webinar on IoT and Smart Buildings: The New Construct		20-Sep-17 to 20-Sep-17	50	
2017-18	Webinar on Bridging the Memory-Storage Gap to Accelerate Fast Data Analytics		19-Sep-17 to 19-Sep-17	45	
2017-18	Webinar on Drive Faster Breakthroughs Using Vectorization and Intel Xeon Scalable Processors		25-Sep-17 to 25-Sep-17	40	
2017-18	Webinar on Providing Security and Threat Protection for the Enterprise - Why It Matters		19-Sep-17 to 19-Sep-17	40	
2017-18	Webinar on Information Centric Security The Convergence of Data Protection Technologies		16-Sep-17 to 16-Sep-17	35	
2017-18	Webinar on modern infrastructure demands All-Flash		20-Sep-17 to 20-Sep-17	45	
2017-18	IoT workshop		01-Jul-17 to 31-Jul-17	30	
2017-18	Mobile App Development		19-Jul-17 to 26-Aug-17	30	
2017-18	Spoken Tutorial		01-Jul-17 to 31-Jul-17	25	
2017-18	IoT workshop		01-Jul-17 to 31-Aug-17	30	
2017-18	Cloud computing		19-Aug-17 to 19-Aug-17	30	

2017-18	Protection Domination & E-Discovery Prototype A Holistic Approach Through Cloud Computing Field		18-Aug-17 to 19-Aug-17	45	
2017-18	One day Seminar on Bootstrap Mr. Ashwin Irudayarajan Freelancer, Precision Infinite Ventures, Chennai		13-Sep-17 to 13-Sep-17	40	
2017-18	Two Days National Level Seminar on Data Analytics Techniques to Predict Epidemics from Public Health Records		22-Sep-17 to 23-Sep-17	80	
2017-18	One day Seminar on Cyber Forensics Dr.Harish Ramani, Founder & CTO, Internettechies		05-Sep-17 to 05-Sep-17	50	
2017-18	Technical Seminar on IoT		19-Jan-18 to 19-Jan-18	40	
2017-18	Webinar: Fighting Back Against Cryptojacking by Alex Vaystikh, CTO and cofounder of SecBI Ltd		04-Apr-18 to 04-Apr-18	25	
2017-18	Summer FDP on "Problem Solving and Advanced Programming"		21-May-18 to 31-May-18	30	
2017-18	Webinar on Modernizing Your Data Center Smarter & More Intelligent by Mandar Bhide, Technical Director, APAC - Data Management & Protection Global Field and Industry Solutions, Hitachi Solutions		25-May-18 to 25-May-18	35	
2017-18	FDP & Student workshop		29-Jun-18 to	85	

	on Green IT & sustainability		29-Jun-18		
2017-18	Workshop on IOT		27-Jun-18 to 27-Jun-18	30	
2017-18	Webinar on Data Governance Strategy		14-Sep-17 to 14-Sep-17	30	
2017-18	Webinar on Hybrid & Multi-cloud environments: Strategies for migration & app modernization		06-Sep-17 to 06-Sep-17	25	
2017-18	Webinar on The Four Requirements of a Cloud-Era File System		15-Sep-17 to 15-Sep-17	30	
2017-18	Webinar on Industrial IoT - Digitization of Manufacturing: from Theory to Practice		09-Sep-17 to 09-Sep-17	25	
2017-18	Webinar on Preparing for Cyber Attacks Expect the Unexpected by Paul Fletcher, Cyber Security Evangelis		12-Sep-17 to 12-Sep-17	30	
2017-18	Intel AI DevCloud Webinar		28-Mar-18 to 28-Mar-18	20	
2017-18	Infosys FEP		23-May-18 to 27-May-18	25	
2017-18	Webinar on modern infrastructure demands All-Flash		20-Sep-17 to 20-Sep-17	20	
2017-18	Webinar on Oracle Migrate to Cloud without Compromise		05-Sep-17 to 05-Sep-17	20	
2017-18	Lecture Demonstration on Scilab		12-Oct-17 to 12-Oct-17	20	
2017-18	Two-Day Weekend Training Programme		16-Dec-17 to 17-Dec-17	25	

	Saptahaant Shikshak Prashikshan (SSP) on Introduction to Machine Learning				
2017-18	Workshop on Advanced Python and IoT Applications		14-Dec-17 to 16-Dec-17	30	
2017-18	Integrated Project Development for Foundation Program		05-Dec-17 to 09-Dec-17	30	
2017-18	Learning IoT using Aurdino		26-Dec-17 to 30-Dec-17	26	
2017-18	IETE professional society		27-Jul-17 to 27-Jul-17	30	
2017-18	Electronics in mobiles and troubleshooting		07-Mar-18 to 08-Mar-18	30	
2017-18	National Programming Aptitude Test - NPAT 2017		13-Aug-17 to 13-Aug-17	10	
2017-18	MCQ Training, EC 6504 - Microprocessor and Microcontroller		18-Jul-17 to 18-Jul-17	15	
2017-18	MEMS and its Applications		16-Aug-17 to 17-Aug-17	25	
2017-18	Ham Radio Awareness Program		23-Sep-17 to 23-Sep-17	20	
2017-18	Make-A-Thon REC2k17		11-Sep-17 to 12-Sep-17	15	
2017-18	Electronic Expo 2017		15-Sep-17 to 15-Sep-17	20	
2017-18	Digital Design Exhibit 2017		27-Sep-17 to 27-Sep-17	25	
2017-18	NPTEL Awareness Program		08-Jul-17 to 08-Jul-17	60	
2017-18	Digital Circuits Lab and		12-Jul-17 to 12-Jul-17	50	

	Signals and Systems Lab				
2017-18	Robot Design using ATmega Controller		12-Jul-17 to 12-Jul-17	20	
2017-18	Software Defined Radio-Hands on Approach		08-Jul-17 to 08-Jul-17	20	
2017-18	UTLP Training Programme		20-Jul-17 to 20-Jul-17	25	
2017-18	Speech Expo Contest		08-Sep-17 to 08-Sep-17	20	
2017-18	ANTENNA DESIGN USING HFSS		25-Sep-17 to 26-Sep-17	20	
2017-18	Analog Systems Learning Kit (ASLK) under Texas Instruments University Program		17-Jul-17 to 18-Jul-17	20	
2017-18	Antenna Design Using HFSS-Hands on Training		21-Jul-17 to 22-Jul-17	20	
2017-18	Electronic Product Design and Development Cell (EPDDC)		18-Jul-17 to 18-Jul-17	25	
2017-18	Embedded Design Contest		27-Sep-17 to 27-Sep-17	20	
2017-18	Small Signal Analysis of Transistor		19-Jul-17 to 19-Jul-17	25	
2017-18	ISER-307th International Conference on Nanoscience, Nanotechnology & Advanced Materials (IC2NAM)		05-Feb-18 to 06-Feb-18	80	
2017-18	Cisco Packet Tracer		08-Feb-18 to 08-Feb-18	20	
2017-18	Analog Systems Lab Kit		16-Feb-18 to 17-Feb-18	25	
2017-18	Power Management under TI India University		05-Jan-18 to 06-Jan-18	20	

	Program				
2017-18	National Level Technical Symposium Revotronics 18		26-Feb-18 to 26-Feb-18	55	
2017-18	UTLP Training Programme		02-Jan-18 to 06-Jan-18	25	
2017-18	Two-days hands-on workshop on Embedded system and IOT applications using CC3200 EVM		30-Mar-18 to 31-Mar-18	30	
2017-18	Medical Electronics Expo		28-Mar-18 to 28-Mar-18	25	
2017-18	Project Expo using Arduino		15-Mar-18 to 15-Mar-18	30	
2017-18	Project Expo using Arduino		09-Mar-18 to 09-Mar-18	30	
2017-18	Cortex M0+		21-Jul-17 to 21-Jul-17	25	
2017-18	FDP on Advances in Communication and Networking		17-Jul-17 to 21-Jul-17	30	
2017-18	IoT Based Amplifiers Design Challenges and Opportunities		23-Aug-17 to 24-Aug-17	25	
2017-18	UTLP Training Programme		08-Jan-18 to 12-Jan-18	25	
2017-18	PYTHON Programming		29-Jan-18 to 29-Jan-18	30	
2017-18	Power Management under TI India University Program		05-Jan-18 to 06-Jan-18	20	
2017-18	VLSI System Design using CADENCE Tool		22-Mar-18 to 22-Mar-18	30	
2017-18	PCB based product design		05-Feb-18 to 06-Feb-18	35	

2017-18	Electronic Design Challenge		13-Feb-18 to 13-Feb-18	25	
2017-18	Control System Design Contest		15-Feb-18 to 15-Feb-18	25	
2017-18	Renewable Power Generation and Recent Embedded Controllers		14-Dec-17 to 15-Dec-17	30	
2017-18	Circuit simulation using LTspice		06-Feb-18 to 07-Feb-18	25	
2017-18	Power Management under TI India University Program		05-Jan-18 to 06-Jan-18	20	
2017-18	Quad copter Development		14-Mar-18 to 15-Mar-18	25	
2017-18	Analog Systems Learning Kit under Texas Instrument University Program		16-Feb-18 to 17-Feb-18	30	
2017-18	2 weeks ISTE workshop on Electric Power system		10-Jul-17 to 15-Jul-17	30	
2017-18	Circuit simulation using LTspice		06-Feb-18 to 07-Feb-18	25	
2017-18	Analog System Learning Kit under Texas Instrument University Program		17-Jul-17 to 18-Jul-17	25	
2017-18	MATLAB/SIMULINK WITH REAL TIME ARDUINO INTERFACING		19-Sep-17 to 20-Sep-17	25	
2017-18	Predictive Data Modeling		28-Jul-17 to 28-Jul-17	30	
2017-18	Python Programming		16-Aug-17 to 17-Aug-17	25	
2017-18	Python Programming		19-Aug-17 to 22-Aug-17	25	
2017-18	3D Object Recognition		17-Aug-17 to	25	

	Techniques		19-Aug-17		
2017-18	HACK4THRONE		26-Aug-17 to 27-Aug-17	30	
2017-18	Role of Data Analytics in Health Care Surveillance system		01-Jul-17 to 01-Jul-17	30	
2017-18	Research trends in Diabetes Prediction and Classification		27-Jul-17 to 27-Jul-17	20	
2017-18	Predictive Analytics		25-Jul-17 to 25-Jul-17	20	
2017-18	Python Programming		18-Dec-17 to 19-Dec-17	25	
2017-18	Deep Learning		21-Dec-17 to 21-Dec-17	25	
2017-18	Object Oriented Programming with Graphics		19-Jun-18 to 19-Jun-18	30	
2017-18	Java Programming		27-Jun-18 to 28-Jun-18	25	
2017-18	Innovision18		17-Mar-18 to 17-Mar-18	19	
2017-18	National Conference on Innovative Research Trends for Digital India		23-Mar-18 to 24-Mar-18	80	
2017-18	Internet of Things Solving Global Issues- Climate , Education, Poverty & Terrorism		09-Nov-17 to 11-Nov-17	25	
2017-18	FDP on "Advances in Statistical Methods"		20-Dec-17 to 20-Dec-17	30	
2017-18	One Day Faculty Development Programme on Advances in Statistical Methods		20-Dec-17 to 20-Dec-17	25	
2017-18	ED awareness		07-Mar-18 to 07-Mar-18	30	
2017-18	Understanding India's		18-Jul-17 to 18-Jul-17	25	

	most important tax				
2017-18	How to invest like a legendry investors		06-Aug-17 to 06-Aug-17	30	
2017-18	Business Heckathon		11-Apr-18 to 11-Apr-18	35	
2017-18	Career guidance for under graduate students		11-Apr-18 to 11-Apr-18	60	
2017-18	Rynekkshetra		20-Apr-18 to 20-Apr-18	25	
2017-18	SEM using AMOS		27-Oct-17 to 28-Oct-17	40	
2017-18	International conference on Economic transformation with Inclusive growth		30-Jan-18 to 31-Jan-18	85	
2017-18	How to invest like a legendry investors		06-Aug-17 to 08-Aug-17	40	
2017-18	Integrated Bluetooth Controlled Pick and Place Buggy		12-Mar-18 to 13-Mar-18	30	
2017-18	Integrated Bluetooth Controlled Pick and Place Buggy		16-Mar-18 to 17-Mar-18	30	
2017-18	Advanced Training on Design & Fabrication of Affordable CNC Machines		12-Dec-17 to 16-Dec-17	25	
2017-18	GM - AAPPES 18		28-Mar-18 to 29-Mar-18	30	
2017-18	Ingenious 2018		05-Mar-18 to 05-Mar-18	150	
2017-18	Noesis 18		27-Feb-18 to 27-Feb-18	90	
2017-18	Edex Engine		19-Aug-17 to 31-Oct-17	45	
2017-18	STEM 17		18-Aug-17 to 18-Aug-17	40	
2017-18	5S & Kaizen		12-Feb-18 to 12-Feb-18	50	

2017-18	Advanced Training on Design & Fabrication of Affordable CNC Machine		12-Dec-17 to 16-Dec-17	30	
2017-18	FEA		14-Dec-17 to 16-Dec-17	25	
2017-18	Thingworx and IoT		04-Nov-17 to 04-Nov-17	25	
2017-18	Kridayanthrik 2017		25-Sep-17 to 25-Sep-17	115	
2017-18	FDP on "Advanced Material Characterization Techniques"		16-Feb-18 to 16-Feb-18	30	

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year		**1129**
Title of the professional development programme	Host Institution	Date and Duration (from – to)
AWS & DevOps	REC	27-Nov-17 TO 28-Nov-17
2 weeks ISTE workshop on Electric Power system	IIT Kharagpur	10-Jul-17 TO 15-Jul-17
Analog System Learning Kit under Texas Instrument University Program	REC	17-Jul-17 TO 18-Jul-17
5S & Kaizen	REC	12-Feb-18 TO 12-Feb-18
CII Indian women network	Confederation of Indian society, Guindy	15-Nov-17 TO 15-Nov-17
Current Trends in Advanced Computing	REC	14-Oct-17 TO 14-Oct-17
A to Z of 3D Printing	Computer Society of India, Chennai Chapter	07-Apr-18 TO 07-Apr-18
AICTE approved FDP Programme	IIT-BOMBAY	03-Aug-17 TO 22-Oct-17
Basics of Analytics	REC	20-Jan-18 TO 20-Jan-18
Basics ofSoftware -Defined Radios and practical	NPTEL	10-May-18 TO 10-May-

applications"		18
Change Management	CSI Chennai chapter at Taramani	23-Jun-18 TO 23-Jun-18
Digital Marketing	RSB & Times of India	30-Jun-18 TO 30-Jun-18
Adopting ICT AV Solutions for Digital Growth & Transformation	ITC Grand Chola	09-Aug-17 TO 09-Aug-17
Advanced material Characterization techniques	REC	16-Feb-18 TO 16-Feb-18
Antenna Design Using HFSS-Hands on Training	REC	21-Jul-17 TO 22-Jul-17
AUTOMOTIVE DESIGN AND STYLING	ITC GRAND CHOLA	13-Oct-17 TO 13-Oct-17
Basics on Analytics by HP	REC	20-Jan-18 TO 20-Jan-18
Electromagnetic theory	Velammal Engineering College	13-Jun-18 TO 19-Jun-18
(Covering Innovation, Design Thinking, Disruptive Technologies, Internet of Things (IoT), Patents, Licensing and Intellectual Property)	IEEE Computer Society, Madras Chapter and IEEE Technology Engineering Management Society, Madras Chapter	29-Jun-18 TO 29-Jun-18
An IoT Based LPG Monitoring and Level Prediction System using NODEM	Chennai Gate Way Hotel, Chennai	06-May-18 TO 06-May-18
CII conference-"BE Bold To Change"	Hotel Ramada Plaza Chennai	07-Dec-17 TO 07-Dec-17
Creative Thinking	KCS Naadar Arts and Science College	21-Nov-17 TO 22-Nov-17
Deep Learning for computer vision	Loyola Institute of Technology	02-Sep-17 TO 03-Sep-17
Effective Engineering Teaching in practice	REC	28-Apr-18 TO 29-Apr-18
52nd Annual convention of Computer Society of India(CSI 2017)	Science city Kolkata	19-Jan-18 TO 21-Jan-18

AICTE approved FDP "Foundation Program in ICT for Education (FDP101X)"	REC	08-Mar-18 TO 25-Mar-18
Basic Electronics	REC	28-Apr-18 TO 29-Apr-18
Big Data Analytics	Alpha Arts & Science College	04-Dec-17 TO 05-Dec-17
3D Object Recognition Techniques	REC	17-Aug-17 TO 19-Aug-17
Advanced Analytics and Data Mining	Saveetha University	11-Nov-17 TO 11-Nov-17
APPLICATIONS OF PROCESS SIMULATION USING ASPEN PLUS	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	09-Mar-18 TO 10-Mar-18
Atmega 16 micro controller for robotics applications	MIT	16-Sep-17 TO 17-Sep-17
Automata Theory and Compilers	SA Engineering College	13-Dec-17 TO 15-Dec-17
Automation using Internet of Things	Panimalar Institute of Technology	29-Nov-17 TO 30-Nov-17
Bahubali Case Study: OOP using Python	REC	21-Nov-17 TO 21-Nov-17
Basic Electrical,Electronics,Measurement and Instrumentation Engineering	RIT	08-Nov-17 TO 11-Nov-17
Big Data Technologies and Applications	Anna Malai University	21-May-18 TO 26-May-18
Bioinspired Optimization	REC	30-Aug-17 TO 31-Aug-17
Concept Development for Inspiring Innovations to Bind Science & Society	Saveetha University	19-Aug-17 TO 19-Aug-17
CSI Day(Project Presentation)	Taramani	17-Mar-18 TO 17-Mar-18
Cyber Crypto currency-Unplugged	CSI Chennai chapter at	25-Sep-17 TO 25-Sep-

	Taramani	17
Data analytics techniques to predict epidemics from public records	REC	22-Sep-17 TO 23-Sep-17
Data Mining and Big Data Analytics	Sri Sairam Engineering College	11-Sep-17 TO 15-Sep-17
DBT ABLE Conference	DBT	15-Mar-18 TO 17-Mar-18
Design and Analysis of Aglorithm	Loyola Institute of Technology	15-Nov-17 TO 22-Nov-17
DESIGN AND FABRICATION OF INTELLIGENT ROBOTIC WHEELCHAIR FOR PHYSICALLY CHALLENGED PEOPLE	Prince Shri Venkateshwara Padmavathy Engineering College	10-Mar-18 TO 10-Mar-18
Digital Skills Readiness Program sabbatical Training	Wipro,Bangalore	02-Apr-18 TO 13-Apr-18
Embedded system and IOT applications using CC3200 EVM	REC	30-Mar-18 TO 31-Mar-18
EMC Standards and Measurements	SAMEER-Centre for Electromagnetics	06-Oct-17 TO 06-Oct-17
14th International Conference on Natural Language Processing	Jadavpur University, Kolkata, India	18-Dec-17 TO 21-Dec-17
2 days FDP on Introduction to IOT	S.A.Engineering college	29-Dec-17 TO 30-Dec-17
2 Weeks AICTE approved FDP on Pedagogy for Online and Blended Teaching-Learning	IIT Bombay	03-May-18 TO 30-May-18
2017 IEEE mini POCO	IEEE Madras Section	29-Oct-17 TO 29-Oct-17
2nd International Conference on Recent Advances in Material Chemistry (ICRAMIC-2018)	Dept. Of Chemistry, SRM Institute of Science and Technology	14-Feb-18 TO 16-Feb-18
2nd international conference on research trends in science, engineering and management	Karpaga Vinayaka College of engineering and technology,	23-Feb-18 TO 24-Feb-18

	Madhuranthagam	
2nd meeting on Ak-Edusat development	Er. Perumal Manimekalai College of Engineering, Hosur	18-Aug-17 TO 18-Aug-17
3D Printing Technology	n/a	03-Apr-18 TO 03-Apr-18
3rd International Conference on Innovative Design, Analysis & Development Practices in Aerospace and Automotive Engineering, Presented a paper titled, Computational Charaterization of a C D Nozzle with Variable Geometry Translating Throat.	Vel Tech, Chennai	22-Feb-18 TO 24-Feb-18
4 Weeks Induction Program	Teaching learning Center IIT Madras	23-Apr-18 TO 18-May-18
4th Workshop on Text Analysis and Information Extraction and Retrieval- TIER	SSN	22-Oct-17 TO 23-Oct-17
5 days FDP on Machine learning using R Programming	SRM University	27-Dec-17 TO 01-Jan-18
8th International Conference on Science and Innovative Engineering 2018 - Design of wing with combined Flap and Aileron.	Jawahar Engineering College, Chennai	01-Apr-18 TO 01-Apr-18
A Creative Approach to Problem solving	Madras Management Association	20-Oct-17 TO 20-Oct-17
A Review on analysis of cognitive function using different techniques	St.Xavier Catholic College of Engineering	05-Oct-17 TO 06-Oct-17
ACM faculty summit 2017	SRM university	11-Sep-17 TO 13-Sep-17
ADOPTING ICT - AV SOLUTIONS FOR DIGITAL GROWTH AND TRANHSFORMATION	ICT ACADEMY AND INFOCOMM INTERNATIONAL	09-Aug-17 TO 09-Aug-17
Advanced Composite Material research perspective	B.S. ABDUR RAHMAN CRESCENT INSTITUTE OF SCIENCE & TECHNOLOGY	02-Feb-18 TO 02-Feb-18

Advances in Manufacturing Technology	College of Engineering, Guindy	16-Mar-18 TO 17-Mar-18
Advances in Technology for Sustainable Energy based Applications	St Joseph's College of Engineering	04-Aug-17 TO 04-Aug-17
AICTE S1118	JECDRC	28-Mar-18 TO 31-Mar-18
Alumini Meet	IIT MADRAS	16-Mar-18 TO 16-Mar-18
ANNUAL MEET	CSI	17-Mar-18 TO 17-Mar-18
Applications of solid Works in Engineering Design	Advanced Training institute, Chennai	11-Dec-17 TO 22-Dec-17
Art of Doing Research	Anna Univerisity	31-Mar-18 TO 31-Mar-18
ASLK	Rec	17-Jul-17 TO 18-Jul-17
Attending CSI national convention in science city kolkata	CSI	19-Jan-18 TO 22-Jan-18
Autodesk Inventor	Sri Sairam Institute of Technology	04-Jun-18 TO 08-Jun-18
AWS Academy Educators Meet 2018	Hotel Radisson Blu, Chennai	15-Feb-18 TO 15-Feb-18
AWS Educate Day 2017	ICT ACADEMY	24-Jul-17 TO 24-Jul-17
AWS Training program	Tensor Infotech, T nagar	21-Nov-17 TO 24-Nov-17
Basic Electrical and Instrumentation	Jeppiar Maamallan Engineering college	22-Nov-17 TO 29-Nov-17
Bioactive compound of Elephant foot yam	School of Engineering, Dayananda Sagar University, Bangalore, India	02-Nov-17 TO 04-Nov-17
BIO-DEGRADABLE, GREEN AND NANO COMPOSITES FOR INDUSTRIAL APPLICATIONS: MANUFACTURING METHODOLOGIES AND	SAIRAM INSTITUTE OF TECHNOLOGY	20-Oct-17 TO 02-Nov-17

PROPERTIES		
Bio-electrochemistry	REC	28-Apr-18 TO 29-Apr-18
Bluemix	ICTACT,Perungudi	23-Sep-17 TO 24-Sep-17
Brain Control Interface	Anna University	21-Sep-17 TO 22-Sep-17
BRAINWAVE ENTRAINMENT USING VISUAL-AUDITORY STIMULATION AS THERAPY FOR SLEEP DISORDERS	Banaras Hindu University	13-Mar-18 TO 15-Mar-18
Business Transformation Series 2018	D & B(Dun & Bradstreet Information Service India Pvt Ltd)	28-Feb-18 TO 28-Feb-18
C++	TCS	22-Jan-18 TO 25-Jan-18
case study analysis	Sathyabama university	23-Nov-17 TO 24-Nov-17
CDAMIS 2018	NIT,Trichy	18-Jan-18 TO 20-Jan-18
certificate course on Patent drafting (PAT DRAFT)	CIPR Anna university	08-Nov-17 TO 12-Nov-17
Chemical,Environmental & Energy Engineering	SNN College of Engineering, Chennai	15-Feb-18 TO 16-Feb-18
Chennai as a Global City	MCCI	09-Nov-17 TO 10-Nov-17
CII Workshop on Restructuring and Redesigning the Higher Education Curriculum to Meet Industry Needs	Jeppiar Engineering College	23-Aug-17 TO 23-Aug-17
Cloud Practitioner Workshop	Sri Ramakrishna Engineering College	24-Apr-18 TO 24-Apr-18
CNC Turning and Milling	Ramco Institute of Technology	08-Dec-17 TO 09-Dec-17
CNC Turning Programming & operation with FANUC OJ - TF	Advanced Training institute, Chennai	04-Dec-17 TO 08-Dec-17

Computational fluid dynamics	Jain College	23-Jan-18 TO 23-Jan-18
Data Acquisition Using Lab View in Aerospace Applications	SRM University	16-Sep-17 TO 19-Sep-17
Deep learning	CEG campus, Anna university	10-Nov-17 TO 11-Nov-17
Design And Analysis Of Fiber Reinforced Composite Material For Car Instruments Panel	REC	28-Mar-18 TO 28-Mar-18
Design And Development Of Battlefield Debris Clearance Robot	REC	29-Mar-18 TO 29-Mar-18
Design and Development of Blood Sample Analyser using Machine Vision Techniques	SNS College of Engineering	26-Mar-18 TO 26-Mar-18
Design And Prototyping Of A Continuum Manipulator	REC	29-Mar-18 TO 29-Mar-18
Design of Affordable 3-DOF Rehabilitation ROBOT.	REC	21-Mar-18 TO 21-Mar-18
Design of Stand Alone & Grid Connected Solar PV Systems	VIT Chennai	08-Sep-17 TO 09-Sep-17
Designing, verifying and deploying automotive systems using MATLAB and Simulink	Mathworks, Chennai	05-Oct-17 TO 05-Oct-17
DEVELOPEMENT OF CHEMICAL ENGG THERMODYNAMICS LABORATORY FOR UNDER GRADUATES	INDIAN INSTITUTE OF TECHNOLOGY MADRAS	22-Jan-18 TO 27-Jan-18
E - RAMS	Velaammal Engineering College	14-Mar-18 TO 14-Mar-18
EDI	Anna university	28-Nov-17 TO 30-Nov-17
Embedded software Security	LDRA at Le -Meridian	25-Sep-17 TO 25-Sep-17
		00-Jan-00 TO 00-Jan-00
Emotional Inteligence	Mohamed Sathak college,Chennai	28-Jul-17 TO 29-Jul-17

Empowering Education Inspiring Students and Enabling Educators	Microsoft at ITC-Chennai	20-Jun-18 TO 20-Jun-18
Enabling Superior Digital Engagement	REC	12-Dec-17 TO 12-Dec-17
Engine Emission Technology	REC	12-Dec-17 TO 12-Dec-17
Engineering Mechanics	Dun & bradstreet	12-Dec-17 TO 12-Dec-17
English Syllabus Workshop	Dun & bradstreet	12-Dec-17 TO 12-Dec-17
Entrepreneurship, Current scenerio in food and Bio process sector	Hindustan UIniversity	29-Jun-18 TO 29-Jun-18
EPICS Workshop	Saveetha Engineering College	29-Dec-17 TO 30-Dec-17
Experimental Investigation of Mixing Enhancement by Ramp Induced Vortices in Rectangular Nozzle.	saveetha Engineering College	29-Dec-17 TO 30-Dec-17
Experimental Study Of Aluminium (A356) Metal Matrix With Glass Powder For Oil Pan Used In Marine Engine	VIT, Vellore	02-Aug-17 TO 03-Aug-17
Exploring Patent drafting and filling	Dhanalakshmi Srinivasan College of Engineering and Technology	23-Mar-18 TO 23-Mar-18
e-Yantra Robotics	Dhanalakshmi Srinivasan College of Engineering and Technology	23-Mar-18 TO 23-Mar-18
Fabrication and Thermal Characterization of Carbon Nano Particle.	Dhanalakshmi Srinivasan College of Engineering and Technology	23-Mar-18 TO 23-Mar-18
Fabrication of RTD Temperature Controller in Ambu Bag for effective Organ preservation	REC	28-Mar-18 TO 28-Mar-18
Faculty development program on CE 6405 - Soil mechanics	Velammal Engineering College	09-Apr-18 TO 09-Apr-18
Faculty Development Programme on Advances In Gas	IIT Bombay	09-Mar-18 TO 10-Mar-

Dynamics & Jet Propulsion.		18
Faculty Development Programme on Engineering Mechanics.	Velammal Institute of Technology	17-Mar-18 TO 17-Mar-18
FACULTY DEVELOPMENT TRAINING PROGRAM ON DESIGN OF REINFORCED CONCRETE AND BRICK MASONRY STRUCTURES	SNS College of Engineering	26-Mar-18 TO 26-Mar-18
Faculty Enablement Program on Foundation Program 4.1	REC	05-Dec-17 TO 12-Dec-17
Faculty enablement program on problem solving and PYTHON programming	REC	05-Dec-17 TO 12-Dec-17
Faculty Upskilling Programme on Talend	REC	21-May-18 TO 30-May-18
Faculty Workshop on SMAC	REC	21-May-18 TO 31-May-18
Fault Detection in Underground Cable using ARDUINO	REC	23-Sep-17 TO 23-Sep-17
FDP	REC	23-Sep-17 TO 23-Sep-17
FDP for INTRODUCTION TO INTERNET OF THINGS	Sankara university	22-Dec-17 TO 23-Dec-17
FDP for INTRODUCTION TO R PROGRAMMING	TCSILP	22-Jan-18 TO 27-Jan-18
FDP on Advance Material Characterization Techniques.	TCSILP	22-Jan-18 TO 27-Jan-18
FDP on internet of things for industrial applications	TCSILP	22-Jan-18 TO 27-Jan-18
FDP on Introduction to R Programming	RMK Engineering College	04-Oct-17 TO 04-Oct-17
FDP on JAVA Programming and JAVA Fundamentals	Shri ShankarlalSundarbai Shasun Jain College for Women	11-Dec-17 TO 12-Dec-17
FDP on Leadership Skills level 1	REC	16-Feb-18 TO 16-Feb-18

FDP on Probability and Random Processes	Rajalakshmi Institute of Technology	07-Dec-17 TO 09-Dec-17
FDP on Problem Solving and Python Programming	Dept. Of Humanities and Sciences, Rajalakshmi Institute of Technology	26-Dec-17 TO 26-Dec-17
FDP on R Programming	REC	21-May-18 TO 31-May-18
FDP on Stress Management	REC	21-May-18 TO 31-May-18
FDP on Vibrations and Aero Elasticity.	REC	21-May-18 TO 31-May-18
FDP onInternet of Things for Ambient Assistive Living	Rec	21-May-18 TO 31-May-18
FDTP on Digital Electronics	ICT Academy, Hindustan College of Arts & Science, OMR, Chennai	19-Jun-18 TO 20-Jun-18
FDTP on GE8292 Engineering Mechanics	ICT Academiy, JNN Institute of Engineering	04-Dec-17 TO 05-Dec-17
FDTP on Process calculations	Bharath Institute of Higher Education and Research	31-May-18 TO 02-Jun-18
FDTPon Digital Electronics	Bharath Institute of Higher Education and Research	31-May-18 TO 02-Jun-18
FDTPon EC6501-Digital Communication	KCG College of Technology	30-Oct-17 TO 13-Nov-17
FEA	Jeppiar Maamallan Engineering College	22-Jun-18 TO 22-Jun-18
Five days Faculty Development Programme on "AUTODESK INVENTOR"	REC	14-Dec-17 TO 16-Dec-17
Flight Training Programme	REC	14-Dec-17 TO 16-Dec-17
Foundation Program 4.1	REC	14-Dec-17 TO 16-Dec-

		17
Foundation Program 5.0	Panimalar Engineering College	26-Nov-17 TO 27-Nov-17
Foundation Program in ICT for Education	IIT Kanpur	08-Jul-17 TO 24-Jul-17
Fracture toughness analysis of Algae powder reinforced polymer composite	REC	03-Aug-17 TO 03-Aug-17
Frontiers in Bioinformatics	REC	03-Aug-17 TO 03-Aug-17
Frost and Sullivans session on Emerging Technologies disrupting the failure of Industries and Jobs	REC	19-Aug-17 TO 20-Aug-17
Fundamentals of Electronic Materials and Devices	REC	19-Aug-17 TO 20-Aug-17
Gait Analysis Rehabilation	REC	28-Apr-18 TO 29-Apr-18
GIAN course on "Coupling - Matrix design of Advanced RF/Microwave filters	NPTEL	10-May-18 TO 10-May-18
Global Entrepreneurship Summit 2017	IIT, Chennai	07-Nov-17 TO 07-Nov-17
Global women entrepreneurship summit	IIT, Chennai	07-Nov-17 TO 07-Nov-17
GST:Understanding india's most important tax	IIT -M	07-Nov-17 TO 07-Nov-17
Guest Lecture on OOP	IIT -M	07-Nov-17 TO 07-Nov-17
HACKATHON	IIT-M	07-Nov-17 TO 07-Nov-17
Hands on Training in the process automation through PLC in industrial Applications	IIT-M	07-Nov-17 TO 07-Nov-17
Hands on training on UTLP (Unified Technology Learning Platform for embedded systems applications.	Varaha academy	18-Jul-17 TO 18-Jul-17
Hands-on Training on RF circuits and Antenna design	GSSJV	20-Jan-18 TO 20-Jan-18

using ADS,CST and HFSS		
High Frequency Design using ADS	NAGPUR	28-Mar-18 TO 31-Mar-18
How to Publish Research in the IEEE Transactions and Journals	SKR Engineering College	24-Nov-17 TO 24-Nov-17
ICISSE'18	SKR Engineering College	24-Nov-17 TO 24-Nov-17
iDravidian 2017 (Department of Information Science and Technology)	Rajalakshmi engineering college	13-Dec-17 TO 16-Dec-17
IIIE Website Launch	MIT Campus, Anna University	27-Nov-17 TO 29-Nov-17
IIT Bombay Workshop on College to Corporate Program on Soft Skills and Workplace Communication	IIIE Chennai Chapter	07-Oct-17 TO 07-Oct-17
Illumination Design Using Dialux	REC	09-Sep-17 TO 17-Sep-17
Indian Association of Biomedical Scientists	REC	09-Sep-17 TO 17-Sep-17
Indian finance forum-challenges	REC	09-Sep-17 TO 17-Sep-17
Induction Training Program	REC	09-Sep-17 TO 17-Sep-17
Industrial Visit to TI Metal Forming	PALS training Program - L&T	10-Oct-17 TO 10-Oct-17
Industrial Visit-GE T&D India	PALS training Program - L&T	10-Oct-17 TO 10-Oct-17
Infosys FEP	GE T&D India Ltd, Pallavaram	22-Aug-17 TO 22-Aug-17
INGENIOUS'18 (Symposium) - One of the Judge for Paper presentation - Stream - Robotics and Automation	REC	23-Apr-18 TO 27-Apr-18
Integrated Bluetooth Controlled Pick and Place Buggy	REC	05-Mar-18 TO 05-Mar-18

Integration of IOT in robotics and automation	REC	16-Mar-18 TO 17-Mar-18
Interactive Session on Traversing the Labyrinth	REC	16-Feb-18 TO 17-Mar-18
Internal Combustion Engines	REC	16-Mar-18 TO 17-Mar-18
International conferance on Biotechnology and Health care	REC	16-Mar-18 TO 17-Mar-18
International Conference ADMMS - 17 (SAE India)	IIITDM	10-Jul-17 TO 15-Jul-17
International Conference on Advanced Scientific Innovation in Science, Engineering and Technology (ICASISET 2018) - Design of wing with combined Flap and Aileron.	CII	15-Nov-17 TO 15-Nov-17
International Conference on Advancements and Challenges in Chemical Sciences (ICACCS 2018)	Indian Institute of science	27-Nov-17 TO 01-Dec-17
International Conference on Advances in industrial engineering Applicatioins 2018	PJTSAU, Hyderabad	26-Oct-17 TO 27-Oct-17
International Conference on Applied science, Engineering, Technology and management	Bharath Institute of Higher Education and Research	11-Apr-18 TO 11-Apr-18
International Conference on Green manufacturing: Analysis, Automation, Processes, Products, Energy & Structures	PG & Research Department of Chemistry Pachaiyappa's College, Chennai	02-Feb-18 TO 03-Feb-18
International Conference on GREEN MANUFACTURING: ANALYTICS, AUTOMATION, PROCESS, PRODUCTS, ENERGY &; STRUCTURES (GMAAPPES 2018	Anna Univerisity	03-Jan-18 TO 05-Jan-18
Investigation on Influence of Solid Lubricant Hexagonal Boron Nitride on Mechanical Performances of PEEK Polymer.	Panimalar Institute of Technology	16-Nov-17 TO 17-Nov-17
Investigation on Power conditioning Circuits for Photovoltaic Systems	Hindustan College of Arts and Science	19-Jun-18 TO 20-Jun-18

IOT	SA engineering collge	29-Jan-18 TO 30-Jan-18
IoT Based Amplifiers - Design Challenges and Opportunities	Loyola Institute of Technology	13-Dec-17 TO 14-Dec-17
IOT for Industrial Applications	REC	29-Mar-18 TO 29-Mar-18
ISER-307th International Conference on Nanoscience, Nanotechnology & Advanced Materials (IC2NAM)	RIT	07-Dec-17 TO 09-Dec-17
ISIGCSE Faculty Summit	RIT	07-Dec-17 TO 09-Dec-17
IT 8201 Information Technology Essentials	Malacca, Malaysia	05-Feb-18 TO 06-Feb-18
IT7702- Data Analytics	SRM University, Kattankulathur	11-Sep-17 TO 13-Sep-17
Java fundamentals & programming	Department of Information Science & Technology (IST),Anna University, Chennai	21-Nov-17 TO 27-Nov-17
Kick off Meeting at L&T Machinery	TCS	22-Jan-18 TO 25-Jan-18
Lab Scale Subsonic RAMJET Engine Powered by Green Technology.	TCS	22-Jan-18 TO 25-Jan-18
Laboratory Facility Visit (Accompanied with 6 students)	RIT	17-Jul-17 TO 21-Jul-17
Latest Cloud Technologies	RIT	17-Jul-17 TO 21-Jul-17
Leadership skills	IISc, Bangalore	01-Jul-17 TO 01-Jul-17
lecture demonstration on Scilab	VelTech	12-Apr-18 TO 13-Apr-18
Machine Learning with Business Application	REC	12-Oct-17 TO 12-Oct-17
Manufacturing Stream - Session 2 - Session Chair	REC	12-Oct-17 TO 12-Oct-17
Master Training Program for "IBM Bluemix"	REC	12-Oct-17 TO 12-Oct-

		17
MATHEMATICS OF MACHINE LEARNING	REC	12-Oct-17 TO 12-Oct-17
MATLAB Integrated with FPGA in Image Processing and Digital Communication	REC	12-Oct-17 TO 12-Oct-17
Mechanical properties analysis of Saw dust powder reinforced polymer Material	IFET COLLEGE OF ENGINEERING	14-Oct-17 TO 14-Oct-17
Medical Biomaterials	St.Joseph's Institute of Technology	08-Nov-17 TO 10-Nov-17
MEMS AND IT'S APPLICATIONS	REC	28-Mar-18 TO 28-Mar-18
MEMSTA18	REC	28-Apr-18 TO 29-Apr-18
Microfluidics at MEMSTA '18	REC	28-Apr-18 TO 29-Apr-18
Microprocessor and Microcontroller	NPTEL	10-May-18 TO 10-May-18
"mini POCO 2018 - Conferences in the changing world"	REC	28-Apr-18 TO 29-Apr-18
Mobile Application Development	IEEE India council with IEEE Hyderabad section, at Visakhapatinam, Andhra Pradesh	20-May-18 TO 20-May-18
Mode-1 fracture toughness analysis of Ground nut shell powder reinforced polymer Material	Dhaanish Ahmed College of Engineering	18-Jan-18 TO 19-Jan-18
Modelling of common carotid artery from MRA images for early cerebral stroke detection	ICTACT	17-Jan-18 TO 18-Jan-18
Modern Biophysical Techniques - Continuing Education and Quality Improvement Programmes (CE&QIP)	Panimalar Engineering College	14-Dec-17 TO 15-Dec-17
Multi Core Architecture and Programming	Panimalar Engineering College	14-Dec-17 TO 15-Dec-17

Multi Core Artitecture and Programming	Banaras Hindu University	13-Feb-18 TO 15-Feb-18
Multi faced approach towards new India	IIT Bombay- QIP	11-Dec-17 TO 15-Dec-17
Multiskill Training on Milling And Grinding	Panimalar Engineering College	13-Nov-17 TO 20-Nov-17
Mushroom cultivation	Panimalar Engineering College	13-Nov-17 TO 20-Nov-17
NASSCOM Diversity and Inclusion Initiative	Advanced Training institute, Chennai	11-Dec-17 TO 22-Dec-17
'National Conference on Advances in Functional Materials"	Tamil Nadu Agricultural University Training centre, Anna Nagar, Chennai	29-Aug-17 TO 29-Aug-17
National Conference on Advances in Innovative Materials for Enginergy & Environment (AIMEE - 2017)	D&I Foum- Driving, Hotel Courtyard by Mariott, Anna Salai, Chennai	24-Nov-17 TO 24-Nov-17
National conference on Biotechnology for sustainable development	D&I Foum- Driving, Hotel Courtyard by Mariott, Anna Salai, Chennai	24-Nov-17 TO 24-Nov-17
National Conference on Emerging Trends in English Language & Literature	Dept. Of Chemistry, St. Joseph's College of Engineering, Chennai	05-Aug-17 TO 05-Aug-17
National conference on Entrepreneurship, current, scenario, scope, opportunities in food and bio processing sector	Dept. Of Chemistry, SRM University, Ramapuram	13-Oct-17 TO 13-Oct-17
National conference on Entrepreneurship, current, scenario, scope, opportunities in food and bio processing sector	Arunai Engineering College, Thiruvannamali	16-Mar-18 TO 17-Mar-18
"National Conference on Mathematics and Computer Applications" - NCMCA 2018	Rajalakshmi Engineering College	15-Sep-17 TO 16-Sep-17
National Conference on "Recent Developments of	Rajalakshmi Engineering	15-Sep-17 TO 16-Sep-

Chemistry in Engineering Applications (NCEA 2018)	College	17
National Conference on "Recent Innovations in Applied Chemistry and Advanced Materials"	Rajalakshmi Engineering College	15-Sep-17 TO 16-Sep-17
National enclave	Dept. Of Chemistry, Sriram Engineering College, Chennai	26-Sep-17 TO 26-Sep-17
NATIONAL SEMINAR ON CLEAN HEALTHY ENVIRONMENT BY SUSTAINABLE TECHNOLOGIES	Dept. Of Chemistry, Sriram Engineering College, Chennai	26-Sep-17 TO 26-Sep-17
National Seminar on the Influence of Literature in the modern world	SRM University, Ramapuram	03-Nov-17 TO 04-Nov-17
National Seminar on the Influence of Literature in the modern world	SRM University, Ramapuram	03-Nov-17 TO 04-Nov-17
National Technical Seminar on Future Technologies for combat vehicle electronics	SRM University, Ramapuram	03-Nov-17 TO 04-Nov-17
National Workshop on ARM Cortex M4	CII	16-Feb-18 TO 16-Feb-18
Network Planning Using Advanced Power System Simulation Tool	Dept of English, Sri Sankara Arts and Science college	08-Dec-17 TO 08-Dec-17
New Zealand - India Sustainability Challenge	Dept of English, Sri Sankara Arts and Science college	08-Dec-17 TO 08-Dec-17
Numerical Investigation of a Multi Orifice Injector With Air Core.	NITTR	05-Oct-17 TO 07-Oct-17
One day FDP on Thingworx and IoT	Siemens Ltd. , Anna Salai Service Ln	08-Aug-17 TO 08-Aug-17
One day Preconference Tutorial Workshop on "Recent Trends in Micro Fluidics, Lab-on-a Chip and Nano Biosensors"	TERI-SRC, Bangalore	05-Sep-17 TO 05-Sep-17
One day Sabbatical Training program at TIMF (TI Metal Form)	REC	10-Jan-18 TO 10-Jan-18
One day workshop on "Corrosion Control in	REC-NPTEL	22-Nov-17 TO 22-Nov-

Biomedical Devices" (CCBD-2018)		17
One day Workshop on Electromagnetics and RF communication	Rec	29-Mar-18 TO 29-Mar-18
ORACLE JAVA FUNDAMENTALS AND JAVA PROGRAMMING	Dept. Of Analytical Chemistry, University of Madras, Guindy Campus	14-Mar-18 TO 14-Mar-18
Orientation Course on Ionizing and Non ionizing Radiation and its Applications	Nemilicherry, near Thiruninravur	09-Dec-17 TO 09-Dec-17
PALS Faculty Development Programme	REC	28-Apr-18 TO 29-Apr-18
Predictive Analytics	REC	25-Jul-17 TO 25-Jul-17
Principals Meet	REC	25-Jul-17 TO 25-Jul-17
Python Programming	ANNA UNIVERSITY	22-Nov-17 TO 29-Nov-17
Received the best paper award in International Conference on Computing, Communication and Drastic Innovations in Energy Thrive - IC3DIET 18	Womens christian college, Chennai.	18-Jan-18 TO 19-Jan-18
Recent advancement in Chemical, Environmental and Energy Engineering	RMD Engineering college, Chennai.	30-Jan-18 TO 31-Jan-18
Recent Advances in Welding	Annai violet art and science college	25-Sep-17 TO 26-Sep-17
Recent Advances in Welding of Ferrom Alloys	CCEIIS Bengaluru	10-Jul-17 TO 14-Jul-17
Recent and Future Trends in Automobile Engineering	CCEIIS Bengaluru	10-Jul-17 TO 14-Jul-17
Red Hat Satellite 6	University college of Engineering, Panruti	28-Feb-18 TO 28-Feb-18
Refresher Course in Antennas	SSN College, Chennai	15-Feb-18 TO 16-Feb-18
Refrigeration and airconditioning	Sri Venkateshwara College of Engineering	24-Nov-17 TO 25-Nov-17
Renewable power generation and recent embedded controllers	Sri Venkateshwara College of Engineering	24-Nov-17 TO 25-Nov-17

Renewable Power Generation and Recent Embedded Controllers	Madras Institute of Technology Campus, Anna university	09-Mar-18 TO 10-Mar-18
research interests being Speech and Language Processing, Machine-Learning, Healthcare and Entrepreneurship	REC	23-Nov-17 TO 23-Nov-17
Research planning, Paper writing and Research Tools	SSN College of engineering	30-Oct-17 TO 03-Nov-17
Restructuring and Redesigning the Higher Education Curriculam to meet industry needs	REC	28-Apr-18 TO 29-Apr-18
Roadshow for the DST-Lockheed Martin-Tata Trusts India Innovation Growth Programme (IIGP) 2.0	Jeppiaar Engineering College	23-Aug-17 TO 23-Aug-17
R-programming on Machine Learning	DRDO, Bangalore	16-Feb-18 TO 16-Feb-18
SABBATICAL TRAINING	DRDO, Hyderabad	22-Feb-18 TO 23-Feb-18
Sabbatical Training	FICCI	11-May-18 TO 11-May-18
Saptahaant Shikshak Prashikshan (SSP) on Introduction to Machine Learning	SAE India , Pithampur	19-Jan-18 TO 01-Feb-18
Smart Mobility as key enabler for the Smart City	JECRC University, Jaipur	28-Mar-18 TO 31-Mar-18
Social Security Mobile Analytics Cloud	sai ram college	10-Jan-18 TO 10-Jan-18
TECHNOLOGY INNOVATION	Digital Impact Square (DISQ)	16-Aug-17 TO 16-Aug-17
Thingworx and IoT	SRI VENKATESHWARA COLLEGE OF ENGINEERING	06-Nov-17 TO 21-Nov-17
THINK EDUCLAVE	Rajalakshmi Engineering College	04-Nov-17 TO 04-Nov-17
Thought Leadership Meet on future of making things	Rajalakshmi Engineering College	04-Nov-17 TO 04-Nov-17

Three Day Workshop on Deep Learning	Rajalakshmi Engineering College	04-Nov-17 TO 04-Nov-17
Three days National level workshop on Multivariate Analysis Using SPSS, AMOS and Spreadsheet	Rajalakshmi Engineering College	04-Nov-17 TO 04-Nov-17
Three days National Seminar on "Convergence of IoT, Big Data Analytics and Cloud Computing for Smart Governance"	AUTODESK, ICT Academy	12-Dec-17 TO 12-Dec-17
TIMF Program	SSN	23-Nov-17 TO 25-Nov-17
Two-day hands-on training workshop on Python Programming	Anna University	21-Sep-17 TO 22-Sep-17
User Summit Thors E Learing	Loyala-ICAM- collge of engineering and technology	07-Dec-17 TO 08-Dec-17
UTLP	Department of Computer Science and Engineering, CEG Campus, Anna University	17-Aug-17 TO 18-Aug-17
Vibration & Noise Engineering	Thors - Hyatt Regency Chennai	14-Feb-18 TO 14-Feb-18
VISIT	REC	11-Dec-17 TO 15-Dec-17
VLSI System design using CADENCE TOOL	REC	11-Dec-17 TO 15-Dec-17
Wipro UTLP training programme	MavenSiliconSoftech Pvt. Ltd., Bangalore	11-Oct-17 TO 11-Oct-17
Wireless networks for smart city applications"	online seminar	21-Sep-17 TO 21-Sep-17
Word Dibetes Day	Sri Ramakrishna Engineering College, Ciombatore	06-Dec-17 TO 08-Dec-17
Workshop on ATMEGA 16 Microcontroller for Robotic Application	Sri Ramakrishna Engineering College,	06-Dec-17 TO 08-Dec-17

	Coimbatore	
Workshop on Change Management	ITC Grand Chola, Guindy	14-Nov-17 TO 14-Nov-17
Workshop on Cisco Packet Tracer	MIT	16-Sep-17 TO 17-Sep-17
Workshop on Construction Automatation and Roboticss	MIT	16-Sep-17 TO 17-Sep-17
workshop on deep learning	MIT	16-Sep-17 TO 17-Sep-17
Workshop on Fluid Dynamics and its Applications (WFDA - 2018)	VIT-chennai	01-Feb-18 TO 03-Feb-18
Workshop on HPLC Techniques	Institute for Energy Studies, Dept. Of Mechanical Engineering , Anna University	18-May-18 TO 18-May-18
Workshop on Object Oriented Programming with Graphics	Rajalakshmi Engineering College	12-Jun-18 TO 12-Jun-18
Workshop on Proposal writing	University of Texas, Dallas and Computer Society of India	19-Jun-18 TO 19-Jun-18

6.3.4 Faculty and Staff recruitment (no. for permanent recruitment):			
Teaching		Non-Teaching	
Permanent	Fulltime	Permanent	Fulltime
54	54	12	12

6.3.5 Welfare schemes for	
Teaching	▪ Subsidised canteen facility ▪ Free Lunch ▪ Free Transport ▪ Rs.5000 every year for knowledge enrichment ▪ Rs.5000 per research paper published in Scopus Indexed Journals ▪ Maternity leave, Medical benefits and Health Centre are provided ▪ Salary advance facility
Non teaching	▪ Subsidised canteen facility ▪ Free Lunch ▪ Free Transport ▪ Salary advance facility ▪ Maternity leave, Medical benefits and Health Centre are provided
Students	▪ Merit Scholarships are awarded ▪ Guidance and assistance to get government scholarships ▪ Proportionate prize money is awarded to students who win in symposiums and project competitions

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly : Yes

 (with in 100 words each)

Internal Audit is carried by officials deputed from head office periodically and the reports are obtained prior to the conduct of the external audit which is normally done after the closure of the accounts.

During the course of Internal audit, all procedures are followed to regularize the accounts and to obtain confirmations for the credit balances, to collect documentary evidences wherever inadequate in respect of payments, compliances of T.D.S and statutory formalities and reconciliation of unit wise balances with the control accounts and banks reconciliations

External audit is done by statutory auditors after June 30 of every year. External statutory audit is conducted by the auditors and the final audit report with audit findings are submitted to the management. The consolidation of the findings of the Institutions with trust central office will be completed and the annual returns are submitted to all concerned authorities of the state and central governments.

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)	Name of the non government funding agencies/ individuals	Purpose
Nil	NA	NA

   6.4.2 Total corpus fund generated :   108.15 Lakhs

6.5 Internal Quality Assurance System

6.5.1 Whether Academic and Administrative Audit (AAA) has been done?				
Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	NBA	Yes	IQAC
Administrative	Yes	External Auditors	Yes	IQAC

6.5.2 Activities and support from the Parent – Teacher Association (at least three)
▪ Parents provide valuable feedback on curriculum, employability and general matters of discussion, which are analysed and taken for appropriate remedial actions
▪ Parents provide references to experts, who deliver lectures for students
▪ Parents support the administration in counselling their wards in improvement of academic performance.

6.5.3 Development programmes for support staff (at least three)
➢ Support staff are sponsored to undergo training programmes.
➢ All staff get trained in latest equipment handling and technologies.
➢ Staff are encouraged to pursue higher studies in their field of specialization

6.5.4 Post Accreditation initiative(s) (mention at least three)
✓ Institution has been conferred Autonomous status and hence Boards of Studies are formed and curriculum is revised to align with industry requirements
✓ Provision for Industry expert lectures on Saturday
✓ Constituted IPR cell and a system to motivate and facilitate patent application submission

6.5.5

a. Submission of Data for AISHE portal　　: **Yes**
b. Participation in NIRF　　　　　　　　: **Yes**
c. ISO Certification　　　　　　　　　　: **No**
d. NBA or any other quality audit　　　　: **Yes**

6.5.6 Number of Quality Initiatives undertaken during the year				
Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to------)	Number of participants
2017	Awareness on Online courses like NPTEL	08-08-2017	10.30 am to 12.30 pm	125
2017	Internal Auditor Training	20-7-2017	8 am to 3 pm	28
2017	Importance of Accreditations and Faculty Orientation	16-9-2017	8.30 am to 3 pm	36
2018	One Day Workshop on Target, Tracking and Testing for Attainment of Objectives and Outcomes	23-6-2018	9am to 3 pm	30

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period **(from-to)**	Participants	
		Female	Male
Rexona Women Empowerment Programme	24-Oct-2018	185	-

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:
Percentage of power requirement of the College met by the renewable energy sources

Solar Power Water heaters were instatlled in Hostels and they have been found helping to reduce usage of power by 40% in hostels.

More than 1000 trees are being planted and maintained in our campus. A dedicated full time team of gardeners is available for maintaining the greens around. Every block has a good number of flowering plants and lawns well maintained.

Papers utilised by the institution are recycled in association with ITC and this ensures usage of reusability and reduction in cut of trees for papers.

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities		No. of Beneficiaries
Physical facilities –Wheel Chairs	2	
Provision for lift	9	
Ramp/ Rails	In All Academic blocks, Library, Canteens and Hostels	
Braille Software/facilities	-	
Rest Rooms	In All Academic blocks, Library, Canteens and Hostels	
Scribes for examination	Available	
Special skill development for differently abled students	NA	
Any other similar facility		

7.1.4 Inclusion and Situatedness						
Enlist most important initiatives taken to address locational advantages and disadvantages during the year						
Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2017 - 2018	Close to SIPCOT : Locational advantage for Industrial visits, Adjunct facility and industry interaction		1 - 15 September, 2017	Swachhta Pakhwada		Student : 50 Staff : 1
2017 - 2018			19 November, 2017	(Uzhavaarapani) Dilapidated Shiva Temple in Karunagaracheri (NSS)	Temple Cleaning	Student : 110 Staff : 1
2017 - 2018			15 December, 2017	Personality development activity at Hand in hand, Old Kanchipuram (NSS)	Personality Development	Student : 50 Staff : 1
2017 - 2018			24 December, 2017	Chandramouleeswarar Koil,Maamandur (Ocheri) (100 yr) Uzhavaarapani (NSS)	Temple Cleaning	Student : 50 Staff : 1
2017 - 2018			3 January, 2018	Blind School Scribe, Victory Memorial Blind School, Poonamallee. (NSS)	Scribe - Blind School	Student : 10 Staff : 1
2017 - 2018			11 March, 2018	KuntheeswararKoil, Dharmapuram (Madurantakam) (NSS)	Temple Cleaning	Student : 110 Staff : 1
2017 - 2018				Thulir (Awareness to farmers on modern agriculture and discussed about benefits of organic farming) Phase 3 (NSS)	Organic Farming	Student : 50 Staff : 1
2017 -			28 March,	Basic First Aid	First Aid	Student : 50

| 2018 | | | 2018 | workshop (NSS) | | Staff : 2 |
| 2017 - 2018 | | | | Bharat Yatra (YI) | Awareness campaign against child sexual abuse and child trafficking | Student : 150 Staff : 2 |

7.1.5 Human Values and Professional Ethics		
Code of conduct (handbooks) for various stakeholders		
Title	Date of Publication	Follow up (maximum 100 words each)
Student handbook	June 2017	Updated information on internal assessment and final exam, mark calculation, credit system
Faculty - HR handbook	June 2017	Updated information on Leave policy, vacation, duties, workload
Student Calendar	June 2017	Semester wise - academic planner with working days, exam dates, holidays, dress code, important phone numbers, leave forms, on-duty forms

7.1.6 Activities conducted for promotion of universal Values and Ethics		
Activity	Duration (from-------to-------)	Number of participants
Motivational Lecture on Swami Vivekananda	21st September, 2017; 3:00 pm to 5:00 pm	150
Lecture on General Ethics	13th March, 2018; 3:00 pm to 5:00 pm	150
Special Lecture to mark Sri Rama Navami	30th March, 2018; 2:00 pm to 3:00 pm	150

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)
✓ Establishment and effective functioning of Energy audit committee, Environment audit committee and Facilities audit committee
✓ Tie-up with ITC for recycling used paper
✓ Water is recycled for watering plants
✓ Greenery is maintained in the college and every year additional trees are planted
✓ Bio-degradable wastes are treated to produce compost and manure for plants
✓ Solar power is used as a renewable energy to reduce consumption of electricity
✓ Paper less organization - Usage of comprehensive software named as Unified serves for all organization processes and this reduces / eliminates the usage of paper.

7.2 Best Practices
Describe at least two institutional best practices Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
✓ Faculty Preparation Program for preparing the faculty for the upcoming semester subjects ✓ Academic Guardian Duty for establishing teacher as academic guardian during the study hours in hostel for the benefit of students

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust
 	
Research & Consultancy :
 	
Centre for Sponsored Research and Consultancy (CSRC) established
 	
    i.   To provide research ambience for all students and staff by providing seed money required to carry out the initial study and ground work for writing proposal to various funding agencies.
 	
   ii.   All proposals written by the faculty are vetted by a panel of experts who add valuable suggestions for the higher rate of success of the same.
 	
  iii.   Students are encouraged to do projects of high calibre using research facilities available in the college and best projects are awarded.
 	
  iv.   To promote Consultancy work, faculty are motivated to get in touch with leading industries of their specialisation and find all possible opportunities for collaborative research and consultancy activities
 	
   v.   Institute's PR cell constituted and provides guidance for all students and staff for developing and filing patents
 	
  vi.   Engaged a professional patent consultant to guide on patents , due to which we have registered 14 number of patents in past 3 years

8. Future Plans of action for next academic year (500 words)

1. Encouraging students and staff to get involved in more product development and projects leading to patenting

2. Skill enrichment for students in core areas of his specialisation and programming. by conducting training camps and design contests

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Signature of the Coordinator, IQAC

Dr.V.Prasannakumari
Professor – IT & IQAC co-ordinator
Rajalakshmi Engineering College

22/12/18

Signature of the Chairperson, IQAC

Dr.S.N.Murugesan
Principal
Rajalakshmi Engineering College

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