



SRI RAMAKRISHNA ENGINEERING COLLEGE

[Educational Service : SNR Sons Charitable Trust]
[Autonomous Institution, Accredited by NAAC with 'A' Grade]
[Approved by AICTE New Delhi, Permanently Affiliated to Anna University, Chennai]
[ISO 9001:2015 Certified and all eligible programmes Accredited by NBA]

Dr. N. R. Alamelu, B.E.(Hons) M.E., Ph.D.
Principal

Dt: 28-08-2018

To

The Director,
National Assessment and Accreditation Council,
P.O.Box No.1075, Nagarbhavi,
Bengaluru,
Karnataka – 560072.

Dear Sir,

Sub : Submission of Annual Quality Assurance Report (AQAR) – Reg.
Ref : Track ID TNCOGN23851.

Greeting from Sri Ramakrishna Engineering College.

Our Institution has been certified by the National Assessment and Accreditation Council (NAAC) with CGPA of 3.33 on four point scale at 'A' Grade during February 2016.

We are herewith submitting the Annual Quality Assurance Report (AQAR) for the academic year 2017-2018.

The same has been uploaded in the website of the institution.

Kindly acknowledge the same.

Thank you.

Yours Sincerely,

Dr.N.R.Alamelu
PRINCIPAL
Dr. N.R.ALAMELU
PRINCIPAL

Sri Ramakrishna Engineering College
Vattamalaipalayam, N.G.G.O. Colony Post,
Coimbatore - 641 022.



SRI RAMAKRISHNA ENGINEERING COLLEGE

[Educational Service : SNR Sons Charitable Trust]

[Autonomous Institution, Accredited by NAAC with 'A' Grade]

[Approved by AICTE and Permanently Affiliated to Anna University, Chennai]

[ISO 9001-2008 Certified and all eligible programmes Accredited by NBA]

VATTAMALAIPALAYAM, N.G.G.O. COLONY POST, COIMBATORE – 641 022.



ANNUAL QUALITY ASSURANCE REPORT (AQAR)

FOR THE ACADEMIC YEAR 2017-2018



Submitted to



National Assessment and Accreditation Council

(An Autonomous Institution of the University Grant Commission)

P. O. Box No. 1075, Nagarbhavi, Bengaluru, Karnataka 560072

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year 2017 – 2018

1. Details of the Institution

1.1 Name of the Institution

Sri Ramakrishna Engineering College

1.2 Address Line 1

Vattamalaipalayam

Address Line 2

NGGO Colony Post

City/Town

Coimbatore

State

Tamilnadu

Pin Code

641022

Institution e-mail address

principal@srec.ac.in

Contact Nos.

0422-2461588

Name of the Head of the Institution:

Dr. N. R. Alamelu

Tel. No. with STD Code:

0422-2461588

Mobile:

+91 9750952299

Name of the IQAC Co-ordinator:

Dr. S.U. Prabha

Mobile:

+91 8754955886

IQAC e-mail address:

iqac@srec.ac.in

1.3 NAAC Track ID

TNCOGN23851

1.4 NAAC Executive Committee No. & Date:

EC(SC)/12/A&A/31.1, dated: 19-02-2016

1.5 Website address:

www.srec.ac.in

Web-link of the AQAR:

<http://www.srec.ac.in/aboutus/iqac>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.33	2016	5 years
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC : DD/MM/YYYY

02/06/2014

1.8 AQAR for the year

2017 – 2018

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

- i. AQAR 17/08/2017 (DD/MM/YYYY)
ii. AQAR _____ (DD/MM/YYYY)
iii. AQAR _____ (DD/MM/YYYY)
iv. AQAR _____ (DD/MM/YYYY)

1.10 Institutional Status

University State ☐ Central ☐ Deemed ☐ Private ☐

Affiliated College Yes ☒ No ☐

Constituent College Yes ☐ No ☒

Autonomous college of UGC Yes ☒ No ☐

Regulatory Agency approved Institution Yes ☒ No ☐

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education ☒ Men ☐ Women ☐

Urban ☒ Rural ☐ Tribal ☐

Financial Status Grant-in-aid ☐ UGC 2(f) ☒ UGC 12B ☒

Grant-in-aid + Self Financing ☐ Totally Self-financing ☒

1.11 Type of Faculty/Programme

Arts ☐ Science ☐ Commerce ☐ Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☒ Health Science ☐ Management ☒

Others (Specify)

1.12 Name of the Affiliating University (for the Colleges)

Anna University, Chennai, Tamilnadu
--

**1.13 Special status conferred by Central/ State Government--
UGC/CSIR/DST/DBT/ICMR etc**

Autonomy by State/Central Govt. / University

UGC

University with Potential for Excellence

-

UGC-CPE

-

DST Star Scheme

-

UGC-CE

-

UGC-Special Assistance Programme

-

DST-FIST

✓

UGC-Innovative PG programmes

-

Any other (*Specify*)

-

UGC-COP Programmes

-

2. IQAC Composition and Activities

2.1 No. of Teachers

8

2.2 No. of Administrative/Technical staff

1

2.3 No. of students

1

2.4 No. of Management representatives

1

2.5 No. of Alumni

1

2.6 No. of any other stakeholder and

1

Community representatives

2.7 No. of Employers/ Industrialists

1

2.8 No. of other External Experts

1

2.9 Total No. of members

15

2.10 No. of IQAC meetings held

10

2.11 No. of meetings with various stakeholders:

9

2.12 Has IQAC received any funding from UGC during the year?

Yes

☐

No

☒

If yes, mention the amount

Not Applicable

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.

8

International

-

National

-

State

-

Institution Level

✓

(ii) Themes

- ✓ Importance of Continuous Quality Improvement
- ✓ Importance of Submitting AQAR and Quality Consciousness
- ✓ Knowledge dissemination about NBA – Process and procedures
- ✓ Testing and assessment – Bloom’s Taxonomy
- ✓ Best practices in pedagogy
- ✓ Auditing – Internal assessment process, practical sessions
- ✓ Curriculum restructuring and development
- ✓ Orientation for fresh teachers

2.14 Significant Activities and contributions made by IQAC

- ✓ Periodical meetings with various stake holders to formulate the plan of action for constant quality improvement and sustenance
- ✓ Implementation of online feedback systems for students
- ✓ Implementation of software for assessment of learning outcomes
- ✓ Implementation of software for data collection (both faculty and students)
- ✓ Restructuring of curriculum and syllabi under CBCS
- ✓ Enhancement of Teaching Learning process, for improved learning outcomes
- ✓ Scrutiny of question papers, test note books, assignment note books and laboratory records, to provide a feedback for improvement

2.15 Plan of Action by IQAC/Outcome

The plan of action scheduled by the IQAC in the beginning of the year towards quality enhancement and the outcomes by the end of the year

Plan of Action	Outcomes
Continuous Improvement in CBCS Curriculum	CBCS Curriculum and syllabi are devised and implemented from the academic year 2016 – 2017. To have a continuous improvement in the Curriculum, components like, online certification courses, one credit courses, etc were included
Orientation programme	Newly recruited faculty members are trained in the Teaching Learning Process, Outcome Based Education, Accreditation processes and research initiatives.
Academic networking with foreign universities	Initiatives are taken to sign MoU's with renowned universities abroad in UK and Malaysia.
To organize events to create social and environmental awareness among students	Activities are organized through NSS, Youth Red Cross, Renewable Energy Club and Social Development Club.
Students participation in international / national / state sports events	Students have bagged many prizes at International / National / State / Zonal levels
To organize national / international seminars, workshops, guest lecturers, conference, etc.	National / international seminars, workshops, guest lecturers, conference, etc. were conducted for the benefit of the faculty members and students
To enhance the placements in core and service based companies	65 % of students got placed in both core services and product Companies.

2.16 Whether the AQAR was placed in statutory body Yes ☒ No ☐

Management ☒ Syndicate ☐ Any other body ☐

Provide the details of the action taken

AQAR is placed before the management for its approval. Management provided valid suggestions for taking up more quality related activities at the institution for the forth coming academic years.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	10	1	11	-
PG	08 + MBA	-	09	09
UG	09	-	09	<u>One credit Course : 09 Career Development and Placement Division:</u> Aptitude Training, Mock Drive(Group Discussion & Interview) No. of. Beneficiaries: 957
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	28	1	29	

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

The curriculum follows Choice Based Credit System with provision for open electives, one credit courses and direct self study courses.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	Choice Based Credit System (CBCS) was introduced w.e.f. the academic year 2016 – 2017 onwards for all the Nine Under Graduate Programmes.
Trimester	NIL
Annual	NIL

UG PROGRAMMES OFFERED:

S. No.	Programmes	Year of Starting	Annual Intake
1	B.E - Mechanical Engineering	1994	180 Since 2012-13
2	B.E - Electrical and Electronics Engineering	1994	120
3	B.E - Computer Science and Engineering	1994	180 Since 2014-15
4	B.E - Electronics and Communication Engineering	1994	180 Since 2011-12
5	B.Tech - Information Technology	1998	120 Since 2014-15
6	B.E - Electronics and Instrumentation Engineering	2001	60
7	B.E - Biomedical Engineering	2006	60
8	B.E - Aeronautical Engineering	2008	60
9	B.E - Civil Engineering	2012	60

PG PROGRAMMES OFFERED:

S. No	Programmes	Year of Starting	Annual Intake
1	M.E - Power Electronics and Drives	2003	18
2	M.E - Manufacturing Engineering	2003	18
3	M.E - Computer Science and Engineering	2010	24 Since 2012-13
4	M.E - VLSI Design	2010	18
5	M.E - Control and Instrumentation	2013	18
6	M.E - Embedded System Technologies	2013	18
7	M.E - Thermal Engineering	2014	18
8	M.Tech - Nanoscience and Technology	2012	18
9	M.B.A - Master of Business Administration	2008	60

Recognized Research Departments:

- Mechanical Engineering
- Electrical and Electronics Engineering
- Electronics and Communication Engineering
- Electronics and Instrumentation Engineering
- Biomedical Engineering
- Computer Science and Engineering
- Information Technology
- Nanoscience and Technology
- Physics
- Chemistry
- Mathematics
- Management Studies

1.3 Feedback from stakeholders*

(On all aspects)

Alumni ☒ Parents ☒ Employers ☒ Students ☒

Mode of feedback : Online ☒ Manual ☒ Co-operating schools (for PEI) ☐

(Analysis of the feedback form is enclosed in the Annexure)

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Yes. There is a revision and update of both curricula and syllabi. The 2016 regulation introduced follows Choice Based Credit System (CBCS).

Highlights of the Curriculum

- Student centric learning – Choice Based Credit System
- Industry driven learning with multidisciplinary approach
- Project-based learning
- Competency enhancement courses including on-line learning
- Collaborations with Premier Institutions – National and International
- Certification courses in Foreign languages
- One credit courses offered by Industries and Research establishments
- Employability enhancement courses focusing placements
- Industry Internship opportunities
- Inculcating Innovation and Entrepreneurship
- Credit transfer for online Courses

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No.

Criterion - II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	313	239	34	33	7

2.2 No. of permanent faculty with Ph.D.

90

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
21	-	-	-	1	-	-	-	22	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

Guest faculty

-

Visiting faculty

4

Temporary faculty

-

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	5	35	-
Presented papers	155	140	-
Resource Persons	-	65	-

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Smart boards are installed in the class rooms to enhance the teaching learning process
- Introduction of Choice Based Credit System and need based Curriculum
- Higher weightage for continuous assessment
- Multi disciplinary projects
- Project Based learning
- Mini projects
- Blended Learning Approach
- Fast track system
- Value Added Courses
- Scope for Self-learning through NPTEL and Swayam and converted into equivalent credits

- Business English Certification from Cambridge University (Both Faculty and Students)
- Well defined Course Objectives and Course Outcomes
- Open electives and One credit courses

2.7 Total No. of actual teaching days during this academic year

90

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- Reforms have been initiated both in the evaluation and testing processes
- Supplementary examinations are conducted during August every year to help students qualify for degree during the same year. Online test has been introduced as part of continuous assessment with Multiple Choice Questions
- After evaluation students are eligible to apply for photocopy of answer scripts, apply for revaluation and review as well. The evaluated scripts are also subjected to audit to ensure the judicious valuation

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

BoS Members - 89
Curriculum Development - 310
Curriculum Development Workshop - 20

2.10 Average percentage of attendance of students

90%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division			
		Distinction %	I %	II %	Pass %
B.E Mechanical Engineering	202	5.94	82.18	2.97	91.09
B.E Electrical and Electronics Engineering	139	4.32	84.17	3.60	92.09
B.E Electronics and Communication Engineering	203	1.97	82.76	2.46	87.19
B.E Electronics and Instrumentation Engineering	59	13.56	72.88	5.08	91.53
B.E Computer Science and Engineering	193	3.11	76.17	7.25	86.53
B.E Biomedical Engineering	61	1.64	88.52	1.64	91.80

B.E Aeronautical Engineering	56	-	94.64	1.79	96.43
B.E Civil Engineering	71	2.82	80.28	4.23	87.32
B.Tech Information Technology	104	1.92	83.65	1.92	87.50
M.E Power Electronics and Drives	2	50.00	50.00	-	100
M.E Manufacturing Engineering	6	33.33	66.67	-	100
M.E VLSI Design	2	100.00	-	-	100
M.E Computer Science and Engineering	12	25.00	75.00	-	100
M.E Controls and Instrumentation Engineering	4	50.00	50.00	-	100
M.E Embedded System Technologies	6	33.33	66.67	-	100
M.E Thermal Engineering	6	16.67	83.33	-	100
M.Tech Nanoscience and Technology	-	-	-	-	-
M.B.A	56	5.36	92.86	-	98.21
TOTAL	1182	4.82	81.98	3.38	90.19

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- ✓ The IQAC of the institute constantly monitors and evaluates the Teaching Learning Process. It also proposes on the measures to be taken to improve and sustain the quality of the process
- ✓ Working with the departments to implement and document a formal system for students feedback
- ✓ The feedback obtained from the students are utilized in helping the faculty members in modifying the Teaching Learning Methodologies and to achieve the best
- ✓ IQAC, along with the team of faculty members from CSE & IT has developed Software for collecting the various data of faculty and students
- ✓ IQAC has suggested ICT based initiatives towards blended learning, virtual class rooms, Flip class rooms and MOOCs in addition to E-learning, Usage of Virtual Laboratories etc.,
- ✓ IQAC encourages and review the regular meetings like Class Committee Meeting, Department Advisory Board, Programme Assessment Committee, Alumni, etc., and initiate new approaches
- ✓ Scrutiny of internal test question papers and suggestions for improvement.
- ✓ IQAC, along with the team of faculty members from CSE has developed Software for Outcome based Assessment on Course Outcomes

Monitoring mechanism:

Attendance	-	Every week
Class committee meeting	-	Twice in a semester
Department meeting	-	Once in a week
HoD's meeting	-	Once in a month
IQAC meeting	-	Once in a year
Students feedback	-	Once in a semester
Internal audit	-	Once in a semester
Course exit survey	-	Once in a semester
Programme exit survey	-	Once in a year

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	16
UGC – Faculty Improvement Programme	-
HRD programmes	22
Orientation programmes	9
Faculty exchange programme	-
Staff training conducted by the university	40
Staff training conducted by other institutions	274
Summer / Winter schools, Workshops, etc.	256
Others	32

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	32	2	-	-
Technical Staff	90	2	10	5
Others	36	-	-	3

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

The following are some of the initiatives for promoting the research and development in the institution.

- Deputation of faculty members to participate in workshops, seminars and conferences
- Financial assistance to faculty members for presenting technical papers in international conferences / seminars
- Guest lectures by academicians from highly reputed institutions, research organizations and industries
- Faculty members are highly encouraged to pursue their doctoral degrees
- Faculty members are encouraged to apply for research projects from various funding agencies
- Incentives for faculty members who have fetched external grants and involved in industry consultancy activities
- Incentives for faculty members with Ph.D
- Annual SEED fund budget for research. Institutional Research fellowship of Rs 7 lakhs per annum to promote research. Encouragement to apply for patents and copyrights
- Industry sponsored innovation centre to inculcate multi-disciplinary innovative projects
- Increased number of industry linkages in the form of MoU's
- Regular reviews to encourage the progress of research through the research committee
- Appointment of Adjunct Faculty for research activities
- Awareness and encouragement to apply for copyrights and patents

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	08	-	60
Outlay in Rs. Lakhs	11,20,158	1,93,38,010	-	21,26,87,171

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	05	03	-	17
Outlay in Rs. Lakhs	45,900	2,10,000	-	35,76,010

3.4 Details on research publications

	International	National	Others
Peer Review Journals	126	-	-
Non-Peer Review Journals	130	-	-
e-Journals	-	-	-
Conference proceedings	47	-	-

3.5 Details on Impact factor of publications:

Kindly refer Annexure - I

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Industry Sponsored	2017-18	Cameron A Schlumberger Company, Houston, USA	8,00,000	8,00,000
		L & T Coimbatore	4,95,600	4,95,600
		Roots Industries Pvt.Ltd, Coimbatore	3,54,000	1,50,000
		Roots Industries Ltd, Coimbatore	1,29,500	1,00,000
		Pricol Pvt Ltd,Coimbatore	22,00,000	19,30,000
		Roots Industries Ltd	35,400	35,400
		T-Stanes Ltd, Coimbatore	3,54,000	1,75,000
		Thanyas Organic Pvt Ltd	8,00,000	8,00,000
		Alpha Consultancy Services	40,000	40,000
		Madhampatty Thangavelu Hospitality	33,040	33,040
Projects sponsored by the University/ College	2017-18	SEED Fund by the institution	1,10,000	1,10,000
TOTAL			53,51,540	46,69,040

Total Number of Funded Projects (On-going) : 11
Total Number of Funded Proposals Completed : 06
Total Grant Received :
Ongoing Projects : INR 195.48 Lakhs
Funding received during 2017 - 2018 : INR 91.29 Lakhs

S.No	Principal Investigator / Co Investigator	Title	Grants Received(Rs.)
MINISTRY OF SCIENCE AND TECHNOLOGY			
1.	Dr.N.R.Alamelu, Principal, SREC	DST-FIST	30,00,000/-
DST-INSPIRE			
2.	Dr.P.Moorthi, Associate Professor/ Nanoscience and Technology	Development of Field Induced Manipulation of evaporative Self Assembly process	7,00,000/-
DST-TSDP			
3.	Dr.P.Karuppuswamy, Professor & Head/Mech Mr.C.Bhagyanathan, Assistant Professor/Mech	Technology Development of Recycling of Aluminium Alloys for Industrial Applications	1,18,32,912/-
AICTE-RPS			
4.	Dr.M.JAGADEESWARI Professor & Head/ECE	Development of efficient architecture for noise removal in real time medical images	14,17,647/-
5.	Dr.S.Jayanthi Professor	Optimizing Data Rate and Energy Efficiency of BLE Mesh Network in Health Monitoring Systems	9,63,922 /-
6.	Dr.K.Srinivasan Professor & Head/E&I	Development of wireless network control system for waste water treatment using IOT	8,23,421/-
SREC-SEED			
7.	Dr.B.SHARMILA Professor	Electricity Generation Using Biogas from Food Waste	1,10,000/-
UGC-MRP (MINOR RESEARCH PROJECT)			
8.	Dr.Kingsy Grace, Associate Professor/CSE	UGC-MRP(Minor Research Project)	2,40,000/-
9.	Dr.A.Murugarajan, Professor/ Mechanical Engineering. Mr. K. Arunkumar, Assistant Professor/ Mechanical Engineering.	Development of a High Speed Process Setup for Manufacture of Advanced Natural Fibre reinforced Composites and Study on the Improved High Performance Properties for various Industrial Applications	3,60,000/-

GYTI - SRISTI			
10.	Ms.V.Srividhyasakthi Assistant Professor/BME,	An indigenous oxygen dosing device to conserve oxygen	50,000/-
11.	Dr.B.Balasubramanian, Associate Professor/BME	Human assist device developoment of artificial pancreas for type 1 Diabetes	50,000/-

FUNDED PROPOSALS COMPLETED			
COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR)			
1.	Dr. T. Daniel Thangadurai Professor & Head, Nano Science & Technology	Development of Colorimetric 'Selective-Ion' and 'Ion-Pair' Sensor using Fluorogenic and Chromofluorogenic Optoelectronic Materials	11,20,158/-

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	3	-	-	-
Sponsoring agencies	-	College Management	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From Funding agency 61,01,857

From Management of University/College 3,82,892

Total

64.84,749

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	11
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year

Total	International	National	State	University	Dist	College
21	18	3		-	-	-

3.18 No. of faculty from the Institution

41

who are Ph. D. Guides

and students registered under them

116

Details of Recognised Supervisors and Scholars

S.No	Department	Number of Supervisors	Internal candidates	External Candidates
1.	Mechanical	6	7	14
2.	EEE	6	7	25
3.	ECE	5	5	10
4.	E&I	3	6	7
5.	CSE	3	2	5
6.	AERO	1	1	3
7.	IT	1	0	0
8.	BME	2	2	0
9.	CIVIL	0	0	0
10.	MATHS	2	8	4
11.	PHYSICS	5	0	2
12.	CHEMISTRY	3	2	0
13.	NANO	3	0	0
14.	MBA	1	1	5
Total		41	41	75

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

<input type="text" value="01"/>	<input type="text" value="01"/>	<input type="text" value="01"/>	<input type="text" value="06"/>
JRF	SRF	Project Fellows	Any other

(CSIR Project - 1 SRF; DST Project – 2 Research Fellow; Institute Scholars - 06)

3.21 No. of students Participated in NSS events:

University level	<input type="text" value="140"/>	State level	<input type="text" value="650"/>
------------------	----------------------------------	-------------	----------------------------------

National level	<input type="text"/>	International level	<input type="text"/>
----------------	----------------------	---------------------	----------------------

3.22 No. of students participated in NCC events: NA

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
------------------	--------------------------------	-------------	--------------------------------

National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>
----------------	--------------------------------	---------------------	--------------------------------

3.23 No. of Awards won in NSS:

University level	<input type="text" value="4"/>	State level	<input type="text" value="2"/>
------------------	--------------------------------	-------------	--------------------------------

National level	<input type="text" value="2"/>	International level	<input type="text" value="-"/>
----------------	--------------------------------	---------------------	--------------------------------

3.24 No. of Awards won in NCC: NA

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
------------------	--------------------------------	-------------	--------------------------------

National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>
----------------	--------------------------------	---------------------	--------------------------------

3.25 No. of Extension activities organized

University forum	<input type="text"/>	College forum	<input type="text"/>
------------------	----------------------	---------------	----------------------

NCC	<input type="text"/>	NSS	<input type="text" value="43"/>	Any other	<input type="text" value="12"/>
-----	----------------------	-----	---------------------------------	-----------	---------------------------------

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

Workshop Conducted

S.No	Date	Name of the event/programme/Activities	Chief Guest	No of Participants
1.	20.07.2017	Dengue Awareness	Asst Commissioner Mr.Saravanan, Dr.Santhosh City Health Officer	200
2.	26.7.2017	Tree plantation – “Kalam Vanam”	Dr.Ramesh,NSS Coordinator ,Anna University,Chennai. Mrs.Vanitha Mohan ,Siruthuli	800 saplings planted
3.	22.11.2017	One day workshop on Fire Safety at IT Seminar Hall	Mr.D.Narasimhan, Fire Safety Officer SNR Sons trust	120
4.	12.9.17	Traffic Awareness, Road Safety	Mr.Ramachandran,SI, Thudiyalur Police Station	300
5.	12.10.17	Kousika River (Swachh Bharat)	Mr.Arukutti, MLA - Kavundapalayam	120
6.	06.01.18	Enhancing computer skill for government school teachers	Dr.N.R.Alamelu, Principal, SREC	20
7.	20.01.18	Enhancing computer skill for government school teachers	Dr.N.R.Alamelu, Principal, SREC	20
8.	02.02.2018	Safety and Conservation awareness programme	Mr.JayaramNagaraju, MD Super Gas, Indane	150
9.	05.3.18 to 08.03.18	Four days FDP on “District Level Training on Phonetics & Instructional Strategies for Primary Teachers” jointly with DIET	Dr.N.R.Alamelu, Principal, SREC	10

SPECIAL CAMP

S.No.	Date	Name of the event/programme/Activities	Chief Guest	No of Participants
1	02.03.18	Inaugural function at 24, Veerapandimiddle School	Mr.J.Krishnamurthy Assistant AEO PN Palayam, Mr.Pon.Dhanraj, Assistant AEO PN Palayam, Dr.R.Kesavaswamy, NSS Chairman, Mr.R.Swaminathan, Headmaster, 24 Veerapandi,	150
2	03.03.18	Road Safety awareness, & Construction & Introduction of Yoga, & Social responsibilities & Guest lecture on Renewable energy, & Cultural	Mr.Kanagasubramaniam, President, Senthmail Foundation, & Dr.R.Kesavaswamy, NSS Chairman & Mr.Mohanraj, Yoga Master & Mr.R.Shyam & Mr.Dinesh, Edudharma Dr.R.C.Ravichandran, Prof/EEE & Dr.S.Deivanayaki, AP/Phy	150
3.	04.03.18	Dengue awareness, Road Safety Awareness, Child Rights Eradication of Child Labour and Environmental Issues rally & Swachh Bharat (Clean India) School campus Cleaning & Trekking	Mr.Lakshmanadass Kauvdar Freedom Fighter & Mr.S.Karthikeyan, Librarian & Dr.R.Kesavaswamy, NSS Chairman	150

4	05.03.18	Free Dental Camp & Free Health Camp & Free Eye Camp & Implementation of computer technology in development of rural education system & Competition for NSS volunteers	Dr.M.Yuvaraju, NSS Regional Co Ordinator, Anna University, Coimbatore, Mr.Anbu krishnasamy, Mr.R.Varadharaj,24, Veerapandi Dr. M.Senthamilselvi, HoD/IT Dr.R.Kesavaswamy,NSS Chairman	150
5	06.03.18	Dengue awareness at 24, Veerapandi & Importance of Communication Skills, Competition for school children & RD parade & Child rights and eradication of Child labour & Cultural	Dr.R.Kesavaswamy, NSS Chairman & Dr.Vathana Fenn, HoD/English, Ms.M.Leena Chandrika, AP/Eng & NSS Programme officers & D.V.Vijayakumar, Project Director, Child Labour Department Collectorate, Coimbatore & Mr.R.Swaminathan, Headmaster, 24 Veerapandi	150
6	07.03.18	Veterinary Camp& Science Exhibition, & Competition for School Children	Dr.Jeya Bharathie, Assistant Veterinary Doctor Annaikatti & Dr.R.Santhi, Asso/Maths, Mr.K.Sasikumar, AP/Phy & Mr.M.Shanmuga Sundaram, AP/Phy Dr.R.Kesavaswamy, NSS Chairman	150

7	08.03.08	Tree Plantation, & Agriculture & Yoga & Valediction & Prize Distribution	K.Brabhu Sankar, TNAU, Coimbatore & Dr.R.Madhumathi, AP/CSE Dr.MR.M.Krishnappa, Asso/Phy Dr.L.Ragunath, Asso/Che Dr.R.Kesavaswamy, NSS Chairman, Mr.R.Swaminathan, Headmaster, 24 Veerapandi Mrs.J.Sheela, PO I, Mr.B.Mariappan, PO II Mr.P.Jeyapraksh,(SF) PO, Mr. Shanmuga Sundaram, Asst. HM 24,Veerapandi	150
---	----------	---	---	-----

RENEWABLE ENERGY CLUB

S.NO	DATE	ACTIVITY	CHIEF GUEST	No. of Students Attended
1	28.09.2017	Awareness Program on Power Consumption Scenario	Mr.M.Srinivasan, Assoc.Prof/EEE, Bannari Amman Institute of Technology, Sathyamangalam	140

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	42.24 acres		Management	
Class rooms	C – 89 T – 16			
Laboratories	90			
Seminar Halls	10			
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	18			
Value of the equipment purchased during the year (Rs. in Lakhs)	64,13,796			64,13,796

List of important equipments purchased during the academic year 2017-18:

Sl.No	Name of the Equipment	Amount in Rs.
Department of Civil Engineering:		
1	Marshall stability	1,17,360
2	Ultrasonic concrete tester	2,33,640
3	Kjeldhal Nitrogen Apparatus with digestion and Distillation(automatic)	2,30,483
4	Air Volume Sampler	3,54,000
5	Atomic Absorption Spectrophotometer	9,67,600
Department of Mechanical Engineering:		
6	Computer systems	3,63,586
7	Creo Essential Team (Industrial version)	3,91,200
8	InstaBot s2 -Delta 3D Printer and Palette	3,52,220
Department of Biomedical Engineering:		
9	PCR machine	4,42,880
10	Deep Freezer (-80°C)	2,78,400
11	Refrigerated Centrifuge	2,07,636
12	CO ₂ Incubator	3,96,480
13	Biosafety Cabinet	2,00,600
14	UV VISIBLE SPECTROPHOTOMETER	1,24,560
Department of Nanoscience and Technology:		
15	Freeze Drier	2,19,335

Department of Computer Science and Engineering		
16	Thin client Dual Core 2.4 GHz, 4 GB RAM ,8 GB Flash, Linux Embedded Three years With 18.5 "LED Monitor ,KBD and Mouse	7,00,000
17	Academic VMware Horizon 7 Advanced: 10 Pack (CCU) (Software)	6,72,000
Department of Electronics and communication Engineering		
18	EMDEDED SYSTEM SOLUTIONS 1.PEAK SYSTEM 1PEH-004061 2.PEAK SYSTEM 1PES-006000 SOFTWARE FOR WT/W8/W10/[32/64 BIT] 3.PEAK SYSTEM 1PES-006086 SOFTWARE 4.PEAK SYSTEM 1PES-006087 SOFTWARE PLOTTER ADD IN FOR PCAN EXPLORER VERSION 6 5. PEAK SYSTEM 1PES -006088 SOFTWARE 6.PEAK SYSTEM 1PES -006089 SOFTWARE JI939 ADD IN FOR PCAN EXPLORER VERSION 6 7. PEAK SYSTEM 1PES-006090 SOFTWARE	1,61,816
Total		Rs. 64,13,796

4.2 Computerization of administration and library

The library is fully automated through standard library software – PALPAP (Insproplus 6.1 version) and implemented Bar coded technology for all library services such as circulation (Issue, Return and Renewal of books). Online Public Access Catalogue (OPAC) at the library and in all the departments through LAN for both staff and students to know about the availability of books and other academic materials of the library such as CDs etc.,

A separate digital library is functioning in the total area of 95 Sqm. with 32 computers to access all 12 E-resources (IEEE, ASME, ASCE, ACM-DL, Springer-Electrical, Electronics and Computer Science Engineering, ELSEVIER-Science Direct and Nanotechnology, J-Gate-Engineering and Technology and Social and Management Sciences, ASTM Digital Library, EBSCO Databases and McGraw Hill-Access Engineering) and E-books. The accessing of NPTEL Video Lectures, DELNET Online databases National Digital Library (NDL) resources, Students Project Reports and Semester Question papers are also available in digital form in the digital library.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	76681	3,42,65,326	1855	8,49,757	78536	3,51,15,083
Reference Books	4226	19,27,929	358	2,90,969	4584	22,18,898
e-Books	380 (Renewed Every Year)	1,52,750	380	2,27,171	380	2,27,171
Journals						
International	66	2,10,525	63	1,84,065	63	1,84,065
National	181 (Renewed Every Year)	3,76,415	192	4,09,579	192	4,09,579
e-Journals	12 E - Resources (Renewed Every Year)	35,02,356	11 E- Resources	32,52,196	11	32,52,1966
Digital Database						
NPTEL Video Lectures	1220	56,180	---	---	1220	56,180
DELNET Online	Institutional Membership (Renewed Every Year)	11,500	DELNET	13,570	DELNET	13,570
N-LIST (INFLIBNET) programme	Institutional Membership (Renewed Every Year)	---	N-LIST	5,750	N-LIST	5,750
CD-ROMs	4792	---	43	---	4835	---
Videos	78	51,150	---	---	78	51,150
Others (specify) Braille Books	50	10,090	---	---	50	10,090

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart -ments	Others
Existing	1849	1401	260 Mbps	76	32	15	197	128
Added	77		-			1	42	37
Total	1926	1398	260 Mbps	76	32	16	239	165

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- 24x7 Internet in all Departments
- The Computer with internet access is available to all the faculty members and even to non-teaching staff members (both office and departments)
- The Classrooms, seminar halls, conference halls, Auditoriums are equipped with LCD Projectors with all accessories
- The entire office works are executed using computers

4.6 Amount spent on maintenance in lakhs:

i) ICT	12 Lakhs
ii) Campus Infrastructure and facilities	10 Lakhs
iii) Equipments	4 Lakhs
iv) Others	16 Lakhs
Total:	28 Lakhs

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- **Industry Institute Interaction:** The Industry Institute Interaction is enhanced through regular guest lectures, workshops, seminars, industry visits, in-plant training, campus connect programmes and establishing collaborative laboratories
- **Technical Value Added Courses:** Students are equipped with minimum of two globally recognized technical value added courses for improving their technical skills. The curriculum is structured in such a way that each student shall mandatorily undergo two Value Added Courses of their choice, to pursue their domain interest and have an edge over others.
- **Entrepreneur Development Cell:** AICTE sponsored EDC is functioning in order to nurture the idea of entrepreneurship among the students.
- **Grievance Redressal Cell:** Is constituted for the purpose of Redressal of Grievance of Students
- **Career Development and Placement Division:** An exclusive division with the team of highly qualified and dedicated members extend the support in training the students for betterment in their career
- **Bureau of Overseas Education:** Keeping in view the need for assisting students aspiring for higher studies abroad, an exclusive cell is functioning in the institute. The BoE has been constantly involved in organizing and conducting awareness sessions for GRE, TOEFL and IELTS examinations for the benefit of the students. It also facilitates admissions in Universities of USA, UK, Canada, Newzealand and Australia.
- **Student Feedback:** Students submit a feedback at the end of every semester through which he/she evaluates the teaching methodology of every teacher who handled a subject during the semester. The teacher is rated on a scale of 0-5 based on 12 different parameters. The analysis of the student feedback is performed by taking the class average for a teacher. The analysis is reported to the Head of the Department.
 - Rating below 3.5 - The Head of the Department may seek explanation from the faculty. Due counseling may be given to the staff member.
 - Rating above 4 – The faculty member is appreciated by the Department.

- **National Service Scheme:** To encourage students to engage in community development activities and to contribute to the society
- **Health Care, Health Insurance:** A fully functional health center with a residential doctor and nursing assistants is in place to offer medical care for minor ailments and first aid. In case of emergency, students will be taken to Sri Ramakrishna Hospital of the Trust for treatment through the ambulance service that is available round the clock at concessional rate. Group medical insurance facility for the benefit of the students.
- **Center for Innovation:** The College creates a culture for instilling and nurturing creativity and scientific temper among the students in numerous ways. Creativity is nurtured through the Centre for Innovation functioning in the college. This Centre calls for creative ideas through various contests and motivates prototype development.
- **IEEE-WIE Affinity Group:** The IEEE-WIE affinity groups regularly interact with self help groups, giving them inputs on self sustenance. The WIE has also organized computer literacy programme and career guidance programme for the students of X and XII standard of Government School in the nearby villages
- **Club and Professional Societies:**

Professional societies and clubs functioning with the students as the executive committee members and the faculty taking up the role of a facilitator helps for Developing organizational abilities, Leadership qualities, Time management, Financial management, Working in a team and Inter personal communication.

The various clubs that function in the college are listed below.

- Fine Arts Club
- Drawing & Painting Club
- English Literary Club
- Philatelic Club
- Photographic Club
- Tamil Mandram
- Quiz Club
- Consumer Club
- Aero Modelling Club
- Young Indian Students Net
- Chess Club
- FOSS Club

- Renewable Energy Club
- Software Development & Information Storage Club
- Science and Humanities Association
- Social Development Club

The various professional societies that function in the college are listed below.

- Institution of Engineers
- ISTE Students Chapter
- Society of Automotive Engineers (SAE)
- Institute of Electrical and Electronics Engineers (IEEE)
- Women in Engineering (IEEE - WIE)
- Indian Society for Technical Education (ISTE)
- Institute of Electronics and Telecommunication Engineers (IETE)
- Computer Society of India (CSI)
- Instrument Society of India (ISOI) Student's Chapter
- Bio Medical Engineering Society of India (BMESI)
- Aeronautical Society of India (AeSI)

5.2 Efforts made by the institution for tracking the progression

- **Tutor Ward Meetings:** TWM serve as a forum for students to discuss any issues or difficulties related to the teaching-learning process with their corresponding tutors, on a one-to-one interaction. Tutors record the minutes of the discussion with the students. This feedback is communicated to Academic Coordinators and Heads of Departments for a solution.
- **Class Committee Meetings:** They are convened by the Class Committee Chair Person, who is not teaching any course for that class, during that semester. The teachers who handle subjects for the class and student representatives attend the meeting to discuss issues related to the teaching learning process. The agenda for the Class Committee Meetings include:
 - Syllabus coverage
 - Availability of text books and other learning material
 - Difficulties faced in learning the subject
 - Feedback from the teacher on the caliber and cooperation of the students and remedial measures to be taken in case of difficulties
 - Feedback from the students on the quality of teaching and the teaching methodologies used
 - Performance of students in Internal Tests

- Punctuality in performing academic work
- Participation in extra-curricular activities
- Quality of Placement Training
- Convenience and Proper condition of teaching aids used in the class room

- **Result Analysis**

Internal Tests - The results of internal examinations are submitted to the test coordinator, within 3 days of the last day of the test. The results are consolidated to assess the performance of the students and the quality of teaching. Remedial measures are taken for the slow learners.

End Semester Examinations – The results of end semester examinations are assessed to identify and help the slow learners. The results are compared with the results of the previous years, to reinforce the quality of teaching.

- **Parent Teacher Meeting:** Parents are invited at least once in the semester to discuss the progress of their wards. This is in addition to the regular monitoring of the student progress by their respective Tutors, Academic Coordinators and HoD.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
4243	192	116	-

(b) No. of students outside the state 59

(c) No. of international students 12

Men	No	%	Women	No	%
	2760	62.23		1675	37.77

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
408	463	17	3527	3	4418	434	428	13	3558	2	4435

Demand ratio: NA Dropout % Nos: 87 = 1.96%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- In-house training for GRE, IELTS and TOEFL is being organized for the benefit of the students.
- A wide range of GATE coaching materials for preparation of GATE exam is available through the well-stacked college library.
- Coaching Classes are carried out to prepare the students for Placements/GATE/GRE/BEC (Business English Certificate) Examination.

No. of students beneficiaries

5.5 No. of students qualified in these examinations

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="-"/>	GATE	<input type="text" value="2"/>	CAT	<input type="text" value="2"/>
IAS/IPS etc	<input type="text" value="-"/>	State PSC	<input type="text" value="-"/>	UPSC	<input type="text" value="-"/>		
GRE	<input type="text" value="3"/>	TANCET	<input type="text" value="9"/>	ToEFL	<input type="text" value="2"/>	MAT	<input type="text" value="7"/>

5.6 Details of student counselling and career guidance

Student Counselling:

- Under the mentoring system, 20/30 students are allocated to a faculty called tutor who guides and counsels them on every aspect – academic, emotional, co-curricular and extra-curricular activities. This counselling makes them feel comfortable and helps them to address any of their problems at the early stage to find a solution.
- This system of Tutor Ward counselling and interaction with Academic co-ordinators is practised for the student during the entire period of study.
- Regular tutor-ward meetings are conducted every week to address the problems then and there. They are counselled for poor attendance, performance, disciplinary issues, etc on a regular basis. For every class, the Tutor Ward Meetings are included in the regular timetable itself.
- A progress card is maintained to record their academic performance throughout the period of study.
- To nurture their strengths and skills, the students are encouraged to participate in co-curricular and extra-curricular activities such as competitions, seminars, workshops, etc. organized by various clubs and societies, both at intra and intercollegiate levels
- Academic coordinator is a senior teaching faculty who helps the students when they are referred to by their respective tutors.

- Remedial classes are scheduled to improve the performance of the students who are unable to cope with. The mentors are available at any point in time to have one-to-one sessions with their wards. The mentoring continues for the entire duration of the program
- A psychologist visits the campus every week to conduct regular sessions on mental health and also to provide counselling individually.

Career Guidance:

Career Development and Placement Division (CDPD) trains students who opt for Placement. The CDPD has faculty with varied experience from industries coordinating with the departments and the corporate. They design, develop and implement various training programmes from first year to final year. The best practices from various leading colleges are studied and the program is designed based on the local requirements. The CDPD also provides employability enhancement programmes right from the first semester onwards with a focus on developing the technical and soft skills of the students. Training methodology is based on pre-assessment and grouping of students.

S. No	Year of Study	Training
1	First Year	1. First Comprehensive Assessment to test the analytical ability and soft skills of the first year students. 2. English Language Enhancement
2	Second year	1. Aptitude 2. English Language Enhancement 3. Outbound Training
3	Third Year	1. Aptitude, Logical Reasoning 2. Outbound Training 3. Mock Tests
4	Final Year	1. Resume Preparation 2. Group Discussions, Mock Tests, Mock Interviews

No. of students benefitted

4435

5.7 Details of campus placement

<i>On campus</i>		<i>Off Campus</i>	
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
86	693	368	31

5.8 Details of gender sensitization programmes

The cell is formed with the aim to sensitize the girl students about their duties and rights and to provide a conducive environment for women staffs and students. The Cell organizes various activities such as lectures, seminars, panel discussions, elocution, role plays, etc., promoting gender equality and gender amity. A special help line is created to help girl students in case of requirement.

The following are the list of events conducted during the academic year 2017-2018

S.NO.	Events Conducted	Date	Resource Person	No. of members participated
1	Webinar on "Women in Leadership – 7 Mantras for Success"	31.05.2018	Ms.LathaNambisan, Manager Partner, Savitur Business Consulting LLP	20 women faculty and student members attended
2	International Women's Day Celebration	08.03.2018	Srivalli.SP, Team- Central Technology Services, Titan Company Ltd IIT Madras Research Park	300 girl students attended
3	"How to ensure and assure women's safety at work place and travel"	19.02.2018	Mr. SathiyaSudhan Public relationships officer Coimbatore	92 men students attended
4	"Safety and Conservation"	02.02.2018	Employees from Super Gas(Indane Distributor)	150 Women students attended
5	Awareness programme on Child Safety	02.02.2018	Ms.Priya, Yi Team Masoom, Coimbatore.	300 women students attended
6	Self Defence Course "WUSHU"	Started on February Month	Ms.Anandhi, Wushu Trainer, Coimbatore	20 women students
7	Stress Management through Yoga and Meditation	08.11.2017	Dr.L.Ragunath,Asso.Prof/Chemistry Mr.C.Rajmohan,AP(Sl.Gr)/IT Dr.M.R.Krishnappa,Asso.Prof/Physics	58 women students attended

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	21	4,12,000
Financial support from government	2012	4,34,00,560
Financial support from other sources	0	0
Number of students who received International/ National recognitions	8	29,59,800

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

S.No.	Name of the Student & Roll.No	Class & Branch	Complaints Addressed By	Description	Action Taken	Approved By
1	V.Jaganraj 1604068	II Mech'A'	Dr.S.Venkat Prasad/Asso. professor/ME	Photocopying facility is insufficient. Always crowd in the photocopying centre at library	One another facility to be opened in the cafeteria soon as per the discussion with the Principal by HOD Mech.	Principal
2	R.Abinash 1404002	IV Mech'A'	Dr.A.Murugarajan/P-ME	At times no water available in the Lab block rest rooms.	Issue has been discussed with Campus Maintenance Department in charge and water availability has been ensured for the entire day	HOD Mechanical
3	R.Rajesh 1504205	III Mech'C'	Dr.B.A.Saravanan/P-ME	More guest lectures need to be arranged on current topics by Industrial personnel.	Mr.B.Pranesh AP/ME has been assigned as the coordinator for arranging guest lectures. Other faculty member having contacts with industries to support.	HOD Mechanical
4	Representatives of III-EEE B	III-EEE B	Dr. C. Kathirvel	LCD screen was not functioning properly in C-305	The LCD screen was replaced	HoD/EEE
5	Representatives of II-EEE B	II EEE A	Mr. V.Gopu	Projector VGA cable was not working properly in C-302	The VGA cable was replaced by new cable	HoD/EEE

S.No.	Name of the Student & Roll.No	Class & Branch	Complaints Addressed By	Description	Action Taken	Approved By
6	III-EEE Students	III-EEE A&B	Dr. C. Kathirvel	There is no air conditioner facility in EEE computer lab	The lab has been provided with sufficient air conditioner facility.	Principal
7	Arunachalam. S.P 1509064	III YEAR/ B.E-Civil	2015 -2019 BATCH	Please repair the smart board system in the class room	Smart board system was repaired in the III year class room	HoD Civil
8	Ram Nivas.R 1609037	II YEAR/ B.E-Civil	2016-2020 BATCH	Provide more no. of desks in the class rooms	Additional desks were provided in the class room as requested.	HoD Civil
9	All Students	I year EIE	HoD/English	Visibility of Blackboard in the classroom was not clear due to sun light.	Curtains were put up in the first two windows of the classroom	Principal
10	Rajashankari. V.M (1407037)	IV	Mr.P.Venkatesh AP/OG	Customize placement training requested by student	Have requested Placement division for separate training sessions for aptitude, logical reasoning and communication	Dr.G.Gopu informed to CDPD
11	Jayashree.M (1407011)	IV	Mr.P.Venkatesh AP/OG	Hand outs should be provided for each placement session	Have requested placement division to provide hand outs after each session through department placement coordinator	Dr.G.Gopu informed to CDPD

S.No.	Name of the Student & Roll.No	Class & Branch	Complaints Addressed By	Description	Action Taken	Approved By
12	AnushaSaiPriya.K (1607005)	II	Mrs.R.Rajeshwari AP/Sr.G	Bus timing	Head of the department have contacted Transport-Incharge regarding the delays, who have ensured for timely arrival of buses	Dr.G.Gopu HoD/BME
13	S.Kishore (1507028) P.T. Chandra prakash (1507013)	III	Dr.G.Gopu, Prof &Head	Hostel hygiene, and separate bus facilities for hostel students during festival holidays	The hostel senior warden has been informed about the issues who have ensured for better cleanliness. Transport incharge was requested to add atleast one additional bus to gandhipuram for hostel students during long vacations	Dr.G.Gopu HoD/BME
14	Rajashankari.V.M (1407037) AnushaSai-Priya (1607005)	IV & II	Ms.SriVidhya-Shakthi.V AP/OG	Students requested Housekeeping work to be done after class hours in the evening	Head of the department have contacted supervisor and informed him to not clean the class rooms during lunch or break hours.	Dr.G.Gopu HoD/BME

S.No.	Name of the Student & Roll.No	Class & Branch	Complaints Addressed By	Description	Action Taken	Approved By
15	Rajashankari. V.M (1407037)	IV	Mrs.R.Rajeshwari AP/Sr.G	Higher studies opted students are requesting for special coaching using their placement fees	Head of the department have informed the student to use the GATE forum already existing in the institute. Also he ensured that the students request will be taken into consideration after discussion with the higher authority	Dr.G.Gopu HoD/BME
16	PG Students	VLSI	Academic Coordinator	Request for new Value added course	FPGA implementation using LABVIEW course has been provided	HOD/ECE
17	PG Students	Embedded Systems	Academic Coordinator	Request for Additional Lab	Evening additional Lab Sessions has been provided	HOD/ECE
18	II Year	ECE A,B,C	Academic Coordinator	Difficulty in choosing the Title for the value added programme	Brain storming sessions has been arranged for the benefits of students	HOD/ECE
19	IV Year	ECE A,B,C	Project Coordinator	Lab Request during project phase	Labs has been allotted for the students those who are performing in house projects	HOD/ECE

S.No.	Name of the Student & Roll.No	Class & Branch	Complaints Addressed By	Description	Action Taken	Approved By
20	Priyanka T. 1606037 Gopi Sri M. 1606015	II EIE	Academic Coordinator	Insect problem in girls hostel rooms	Informed to Hostel Tutor Insect Net was fixed to window.	HoD/EIE
21	Kirubakaran D. 1506018 Mukesh Kumar R. 1506026	III EIE	Academic Coordinator	Tube Light Flickering in class room	Informed to Electrical Maintenance section and light was changed	HoD/EIE
22	Ajay A. 1406001 Kishore Swaminathan V. 1406015	IV EIE	Academic Coordinator	Equal opportunity to be given all students for participation in extracurricular activities	Schedule for various contest among different colleges were prepared and all the students were send accordingly.	HoD/EIE
23	Harini V.P. 1506015 Kohiladevi S. 1506019	III EIE	Academic Coordinator	Cleaning the class room during lunch break was difficult	Informed to maintenance section of our college	HoD/EIE

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION AND MISSION OF THE INSTITUTE

VISION

- To develop into a leading world class Technological University consisting of Schools of Excellence in various disciplines with a co-existent Centre for Engineering Solutions Development for world-wide clientele

MISSION

To provide all necessary inputs to the students for them to grow into knowledge engineers and scientists attaining

- Excellence in domain knowledge- practice and theory.
- Excellence in co-curricular and extracurricular talents.
- Excellence in character and personality.

6.2 Does the Institution has a management Information System

The college is automated with centralized automation software. This leading software product increases the institutions productivity by providing smart cards to students and faculty. It also helps in the process like intimation of marks and attendance through SMS and email, biometric based hostel management, touch screen based information KIOSK and centralized performance analysis.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

The institute has introduced the Choice Based Credit System from the academic year 2016 – 2017. A systematic process is being followed in the design and development of the curriculum. IQAC is constantly organising workshops and sessions for the benefit of the faculty members. These workshops has provided an insight to the faculty members who were involved in curriculum design. Feedbacks on the curriculum were collected by the respective departments from the various stake holders. These feedbacks were consolidated and presented to the Chair person - Academic Council for suggestion for improvement by the Chair person - Board of

Studies. After incorporating the suggestions, the same is presented in the Board of Studies, Standing Committee and Academic Council for approval.

6.3.2 Teaching and Learning

The teaching, learning and assessment strategies are structured in order to facilitate the achievements of the intended learning outcomes. The curriculum of every semester is completed within the stipulated time through planning of the courses of study, timely conduct of continuous evaluations, laboratory examinations, end semester examination, etc.

- The course instructor provides the course outline and course schedule to the students in the beginning of the semester.
- Self learning, ICT based learning, blended learning are given priority.
- The institute creates a culture of instilling and nurturing creativity among the learners through various academic activities.
- Fully qualified, competent and dedicated faculty members contribute to the all round development of the students.
- Introduction of online objective tests to ensure the understanding of the students about a particular subject.
- The classrooms are equipped with audiovisual aids to enhance the quality of teaching learning process.
- Smart boards are installed in few classrooms which help the teachers to demonstrate better.
- Faculty development programmes are conducted regularly to enhance the quality of the teachers.
- Faculty members are also constantly encouraged to attend FDPs at other eminent institutions.

Based on the internal test results, the following remedial measures are taken

- Guiding the weak students.
- Conducting special coaching classes for slow learners.
- Offering counselling to the students.
- Conducting additional sessions for tutorials.
- Providing reference materials.

6.3.3 Examination and Evaluation

- Transparency in internal assessments.
- The end semester examination question papers are set by both internal and external examiners. They are subjected to scrutiny by the question paper board.
- The candidates are entitled for the photocopy and revaluation of the answer script.

- Auditing of answer script is done at the end of the semester by re-scrutinizing the valued answer scripts.
- Special supplementary examinations are conducted once a year.
- Provision for withdrawal from end semester examination.
- Evaluation of answer scripts are done by both internal and external examiners.

6.3.4 Research and Development

List of Research committee Co-ordinators

S. No	Members & Designation
1	Dr.A.Murugarajan, Prof/Mech
2	Dr.B.A.Saravanan, Prof/Mech
3	Dr.M.S.Geetha Devasena, Prof/CSE
4	Dr.P.Mathiyalagan, Asso.Prof/CSE
5	Dr.B.Nataraj, Asso.Prof/ECE
6	Dr.S.P.Vimal, Asso.Prof/EIE
7	Dr.V.Karpagam, Prof/IT
8	Dr.Preethi Harris, Asso.Prof/IT
9	Dr.S.Allirani, Asso.Prof/EEE
10	Dr.R.Shanmugasundaram, Prof/EEE
11	Dr.B.Sharmila, Prof/EIE
12	Mr.J.Prasad, Asst.Prof/BME
13	Dr.C.J.Thomas Renald, Asso.Prof/Aero
14	Dr.E.Sarojini, Prof & Head/Civil
15	Dr.J.Selvakumar, Prof/CSE
16	Dr.C.S.Ravichandran, Prof /EEE
17	Mr.C.Bhagyanathan, Asst.Prof/Mech
18	Dr.A.Grace Selvarani, Prof /CSE
19	Dr.M.Jagadeeswari, Prof /ECE
20	Dr.P.Moorthi, Asso.Prof/Nano
21	Dr.S.Jayanthi, Prof /ECE
22	Dr.G.Mary Jansi Rani, Prof /ECE
23	Dr.S.Deivanayaki, Asst.Prof/Phy
24	Dr.N.Neelakandeswari, Asso.Prof/Chem
25	Dr.P.Maheswari Naik, Asst.Prof/Mathematics
26	Dr.Vathana Fenn, Asso.Prof/English

The main objective of this committee is to motivate the staff towards research and also to encourage the faculty members to enroll for pursuing Ph.D.

To promote research activities in the college, the committee

- Ensures the departments to apply for Research Centre recognition under Anna University, Chennai.
- Ensures the Ph.D holders to apply for Guide Recognition under Anna University, Chennai.
- Encouraged to publish research papers in refereed journals with high impact factor.
- Motivates to submit research proposals for various funding agencies
- Motivate to submit proposals for conducting seminars, Conferences, Workshops.
- Prompts the faculty to interact with the industry for collaborative research projects.
- Identifies and encourages various research activities of all the departments
- To publish a research journal inviting technical papers from the researchers
- To sponsor participation and presentation in International conference

Impact of the Recommendations

- The number of faculty members with Ph.D: 90
- The number of faculty members registered for Ph.D: 133
- 41 of our faculty members are recognized research supervisors of Anna University, Chennai.
- All the eligible departments are Recognized Research Departments of Anna University, Chennai
- Increase in the number of research proposals to various funding agencies
- Increase in the Cumulative impact factor of the faculty, number of citations, h-index etc.,
- Increase in the number of book publications and copy right for laboratory manuals
- A technical journal is being published by the department of Management studies
- Increase in the number of seminars, symposium, conference, workshop organized by the departments
- Number of inter-disciplinary research has increased
- Increase in the number of Industrial research

6.3.5 Library, ICT and physical infrastructure / instrumentation

The institution has an excellent library for the benefit of students, faculty and researchers. The library has a large collection of books covering various branches of Engineering and Technology, Science and Humanities and allied fields. It subscribes to 240 national and international journals and magazines with 67 international journals and 155 national journals published by reputed publishers of India and abroad. The library subscribes to more than 13 e-journals like IEEE, ACM-DL, Elsevier - Science direct, and ASTM digital library, Springer, McGraw Hill, J-Gate and EBSCO. The library is fully computerized and bar-code facility is used. It also provides access to resources through OPAC (online public access catalogue).

The Library hour is scheduled as a part of the timetable. Library is kept open on all seven days of the week. Digital Library utilization is encouraged for both students and faculty

6.3.6 Human Resource Management

- The performance appraisal of the faculty members are through self appraisal, appraisal by the Heads of the departments and appraisal presentation for fresh recruits before an expert panel
- The departments set achievable targets for the faculty members in one academic year for all parameters; teaching, results, self development, and contribution to the department etc. Any gap identified, an appropriate feedback is given for improvement
- If performance appraisal is not satisfactory for the faculty under probation period, the probation period is extended.
- Faculty performance is accountable through performance appraisal system, to maintain the continuous development in the areas of teaching, enhance their potential and to motivate the individuals in improving their area of weakness.
- Based on the continuous assessment and appraisal report by the HoD, the annual increment is postponed/stopped for the non performing faculty members.

6.3.7 Faculty and Staff recruitment

Based on the vacancy in all the departments, the staff requirement is collected well in advance by the human resource department and approval from management is obtained. The college advertises in the leading news papers in order to reach out the best faculty from the country. Scrutinizing of application is done based on the screening process which includes written test and technical interview. Interviews are conducted by the expert panel comprising of the Director, Academics, Head of the Institution, Head of the Department, Senior Faculty from the department and

External subject expert not below the rank of Professors from government colleges and reputed institutions.

6.3.8 Industry Interaction / Collaboration

The institution firmly believes in industry interaction and these interactions through MoU's with organizations like

- Pricol Technologies
- Pricol Limited
- LARSEN & TOUBRO
- Texas Instruments
- Intel
- National Instruments
- Tech Mahindra
- SIEMENS

have resulted in internship to the students, immersion programmes for the faculty, problem solving, testing and consultancy assignments for industries.

The industry institute interaction has also resulted in

- Training for the faculty in industry through immersion programmes
- Solving problems for the industry by the members of the faculty
- Collaborative work and consultancy with the industry by the faculty team with an incentive to the faculty as motivation

6.3.9 Admission of Students

- The admission process for UG programme in Engineering is followed according to the guidelines mentioned by Tamilnadu State Government.
- Through TNEA counselling system, the students are admitted based on the marks obtained in HSC through merit cum reservation basis.
- There is a centralized online system maintained by Anna University, Chennai for 65% of sanctioned intake.
- The remaining 35% of the total seats are filled by the college as per the guidelines issued by the DoTE in a highly transparent manner.

6.4 Welfare schemes

The following are the welfare schemes available for the teaching and non teaching staff of the institution.

- Provident Fund contribution by the employee and equal contribution by the Management

- Employees Deposit Linked Insurance (EDLI) - If an employee expires during service an amount of Rs. 3, 52,000/- can be claimed through this insurance scheme.
- Group Insurance - If an employee expires during service an amount up to Rs. 50,000/- can be claimed through this insurance scheme.
- Earn leave of 3 days per year is provided after the completion of two years of service from the date of joining, which can either be encashed or accumulated up to a maximum of 60 days.
- Medical leave of 5 days per year is provided after the completion of two years of service from the date of joining; it can be either availed or accumulated up to a maximum of 30 days.
- Maternity leave can be availed for 60 days with full salary for the first two deliveries, after the completion of two years of service from the date of joining.
- Rural Health centre inside the campus for both general and Dental Check up.
- Medical treatment at a concession rate of 25% is provided for the employees and their family members at Sri Ramakrishna Hospital, Coimbatore managed by the Trust of the Institution. If necessary, on the interest of the employee the medical expenses can be deducted from the monthly salary on their request and approval.
- For each teaching faculty member after completion of their Ph.D a monthly allowance of Rs.10, 000/- is given as additional incentive, irrespective of cadre.
- The individual faculty member of the institute is being rewarded by the Management, an incentive of 10% of the approved fund as a token of appreciation
- Personal loan assistance at South Indian Bank
- Non-teaching faculty using college transport can avail 50% concession in their transport charges.
- Incentive for industry projects.

The following are the welfare schemes available for the Students of the institution.

- Fee waiver to the extent of 25% to students admitted in management quota through sports achievements. Every year 8 to 10 students are benefitted by the consideration of 10 % in fee for hospitalisation at Sri Ramakrishna Hospital, managed by the trust.
- T.A and D.A are sponsored for participation in tournaments at all levels.
- For the best outgoing student recognition, 33% weightage is given for sports and games.
- Medals, certificates for sports/games/athletic activities, sponsorship to participate in international conferences, international sports and athletic events.

ENDOWMENTS AND AWARDS

BEST OUTGOING STUDENTS AWARD

1. Founder Trustee **Prof.P.R.Ramaswami Naidu Memorial Gold Medal** of one sovereign and **Dr.R.Subbayyan Rolling Trophy** are awarded to the **BEST OUTGOING BOY STUDENT** as adjudged by his contribution to the community life of students, leadership and best academic performance during the entire course.
2. **Smt.Sheila memorial Gold Medal** of one sovereign is awarded to **the BEST OUTGOING GIRL STUDENT** adjudged as above among the lady students.

Students who secure First rank (in the college) in II, III AND IV BE/B.Tech Autonomous Examinations put together, will be awarded prizes as indicated below

3. **Sr.P.Ramaswami Naidu Memorial of Rs.1000/-** to the topper in each branch of B.E/B.Tech/M.E/M.Tech /MBA Autonomous Examination.
4. **Smt.M.S.P.Nagarathinam Ammal Memorial Gold Medal** for the branch of Mechanical Engineering.
5. **Sr.V.P.S.Paramasivam Memorial Gold Medal** for the branch of Electrical and Communication Engineering.
6. **Sri.V.Verivada Chettiar Memorial Gold Medal** for the branch of Electrical and Electronics Engineerig.
7. **Smt. Sakuntala Meorial Gold Medal** for the branch of Computer Science & Engineering.
8. **Dr.R.Venkatesalu Naidu Gold Medal** for the branch of Information Technology.
9. **Sri.R.Dooraiswami Naidu Memorial Gold Medal** for the branch of Electronics and Instrumentation Engineering.
10. **Gold Medal** instituted by the college for the branch of B.E-EIEE, B.E-BME, B.E-Aero and MBA.
11. **Department of Science & Humanities institutes a cash award of Rs. 1000** for the student(s) who score(s) the maximum marks in mathematics in the I year (both semesters inclusive) in the Autonomous examinations.
12. **Smt. Dhanalakshmi Lingaraj Memorial Award** worth of Rs.3,000 /- instituted by Dr.L.Ragunath of Chemistry Department for the toppers in English, Physics and chemistry in the I year Autonomous Examinations.
13. **Valliammal Soundaram Thirukkural Award** worth of Rs 4000/- instituted by the Prof. K.Thinnappan to promote the value of Thirukkural among the students of Sri Ramakrishna Engineering College every year.

ALUMNI ENDOWMENTS AND AWARDS

14. Endowment award of Rs. 5 lakhs is instituted by the class of 1996-2000 batch students in memory of their batch mate **Mr.Vivekanandhan** for the deserving economically backward students of any branch.
15. Endowment award of Rs.1.5 lakhs is instituted by the class of 1994-1998 batch students for the deserving economically backward students of any branch
16. **Vellayappan Chidambaram Memorial Award** worth of Rs.10,000/- instituted by Mr.V.Chidamabaram father of C.Vellayappan, our student of 1996-2000 batch of B.E. Mechanical Engineering branch for the economically backward student of Mechanical Engineering Department.
17. **Mech-wiz Award** worth of Rs.4000/- per section instituted by 2009 batch Mechanical Engineering students for the economically backward and meritorious students of Mechanical Engineering Department.
18. **Harish Memorial Award** worth Rs.3000/- instituted by 2007-2011 batch of Electrical And Electronics Engineering students with the best academic performance in Electrical and Engineering Department.
19. **Preethi Memorial Award** worth of Rs.13,000/- instituted by 2009-2013 batch Computer Science and Engineering students, Staff and parents for the economically backward students of Computer Science and Engineering Department.
20. **Mustafa Memorial Award** of Rs.5000/- instituted by 1996-2000 batch Mechanical Engineering students for the economically backward students of mechanical Engineering students.
21. **Arvindaadithya memorial Award** worth of Rs.5000/- instituted by Dr.M.Rangasamy grandfather of D.Aravindaadithya, our students of 2009-219 batch of Electronics and Communication Engineering for one boy and one girl student with the Best Academic Performance in IV and V semester theory papers put together in the Department of Electronics and Communication Engineering.
22. **Vivek-Arun Memorial Award** of Rs.3,000/- instituted by 2004-2008 batch f Mechanical Engineering students for the economically backward student of Mechanical Engineering department.
23. **M.S.Nrithya Sadhana(Dance) and M.S.Sangeet Sadhana(Music &Vocal)Award** worth of Rs.6,000/- instituted by 2004-2008 batch of Information Technology student Mrs.Kousalya Nivas (Alumnus) for the students performing significantly in dance and music respectively.

6.5 Total corpus fund generated

45 Lakhs

6.6 Whether annual financial audit has been done

Yes

☒

No

☐

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Eminent Professors from Autonomous Engineering Colleges	Yes	IQAC
Administrative	Yes	-	Yes	IQAC

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes ☒ No ☐

For PG Programmes Yes ☒ No ☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

A good number of efforts have been taken to bring in reforms in examinations, to result in better learning outcomes and a transparent evaluation system.

- Scrutiny of end semester question papers by a board of external members
- Provision to obtain photocopy of the evaluated answer scripts, revaluations, and review
- Special supplementary examinations
- Scrutiny of answer scripts at the end of every semester by external members to ensure proper evaluation by all the examiners. Based on the scrutiny reports, suitable actions initiated, wherever required.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not Applicable

6.11 Activities and support from the Alumni Association

The College has a registered Alumni Association with its chapters actively functioning at Chennai, Bengaluru and North America with 14 executive committee members and 25 core group members in each group. Strength and standing of the institution is continued to be witnessed by the professionally competent Alumni proving

their worth in academia and industry all over the country and overseas. The members of the Alumni Association play a great role in the development of the college.

The alumni association plays a major role in building long-lasting relationships and creating camaraderie amongst the global community.

The activities of Alumni Association:

1. Meeting annually during the first Sunday in August at Coimbatore.
2. Annual Meeting of the Chennai Chapter on January 26th.
3. Annual Meeting of the Bengaluru Chapter on October 2nd.
4. Annual Meeting of North America Chapter during the month of June.
5. Alumni Induction Programme in March every year.
6. Alumni Reunion events every year in the month of December.
7. Publishing half yearly Alumni newsletter 'Spotlight'.

Contributions of the Alumni Association

1. Inviting senior Alumni as speakers for various programmes organized by the departments.
2. Coordinating Alumni as members of various Board of Studies.
3. Inviting Alumni to conduct mock interviews and group discussions.
4. Displaying 'Know Your Alumni' department-wise fortnightly to ensure better connect between Alumni and students.
5. Dispersing Alumni scholarships for meritorious and economically weak students annually.
6. Life membership cards to all members to ensure benefits in our group institutions and the hospital managed by the trust.
7. Endowments created by the Alumni batch every year to support scholarships for the students.
8. Campus recruitment by the Alumni into their organizations.
9. Internship opportunities through Alumni.
10. Start-up mentoring by Alumni entrepreneur in collaboration with Entrepreneurs Development Cell.
11. More than 50 Alumni Entrepreneurs interacting with and nurturing entrepreneurship in the campus.
12. The Alumni Association of the Institution provides scholarship and financial assistance to the meritorious students belonging to economically weaker sections. Every year Rs. 2,00,000/- (Two Lakhs) worth scholarship are disbursed.

6.12 Activities and support from the Parent – Teacher Association

Regular Parents-Teachers Meetings are conducted once in a semester. The tutors also interact with the parents of their wards which results in the coordinated effort for the improved performance of the students. Parent-teachers' meeting are conducted to guide them on career decisions and improved performance. During the 5th semester of study the parents of the students are met along with their wards department wise. A detailed presentation is given about the placement opportunities, options of higher education and entrepreneurship. Based on these inputs the students are directed to register for placement, higher education or for developing entrepreneurial skills. The choices by the students are duly endorsed by the respective Heads of the Departments and the parents. The parents are also part of the department advisory committee of every department.

6.13 Development programmes for support staff

- The members of non teaching staff are given appropriate in house training
- Arranging training programmes for strengthening the knowledge of using latest facilities and equipment.
- Opportunities and motivation to pursue higher education
- Special programme on safety precautions for all the drivers by the state owned training institute
- Non-teaching staff are also sponsored and deputed for training programs conducted by other institutions.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- The institution is located in a sprawling 42-acre campus with greenery in and around the campus. The institution is committed to its responsibilities to the environment and consciously monitors the up keep and maintenance of the campus.
- The College has ensured reduction in carbon emission by installing solar panels, in the college premises
- In the entire hostel blocks water heating is through solar panels, thus optimizing the use of fossil fuels.
- The campus has been made as green as possible by planting good number of trees and other plants, with an exclusive team for gardeners and NSS volunteers.
- **Energy conservation**
 - The students and staff members are aware of the importance of energy conservation. The students have been made self responsible by switching off the lights and fans whenever not in use. Energy conservation banners have been put up in the college and hostel.

- The UPS Batteries are being maintained in good condition thus reducing charging current of batteries.
 - Electrical equipments are periodically checked and monitored to ensure energy conservation.
 - Usage of CFL bulbs are used wherever possible.
 - In college, a **“Renewable Energy Club”** is active since 2006. This club is constantly organizing various awareness programs pertaining to energy management and conservation.
- **Use of renewable energy**
 - 52.8 kW solar panels have been installed on roof-top of the academic and administrative block and on an average 250 Units are harvested every day
 - Solar water heaters have been installed in the hostels
 - The lawns and saplings in the garden are watered by the recycled waste water which is treated properly in the plant.
- **Water harvesting**
 - All the buildings in the campus are provided with rain water harvesting facility, in order to increase the water table, as a part of conservation and preservation of natural resource-water.
- **Efforts for Carbon neutrality**
 - College provides bus facilities to the faculty members and non-teaching staff with an aim to avoid the use of individual vehicles and thus reducing carbon emission
 - Initiatives are taken to sensitize students and staff members in utilizing the common transport system in order to reduce the carbon emission.
 - The institute actively promotes the idea of vehicle pooling to both staff and students.
- **Plantation**
 - The campus is filled with greenery, in and around, with conscious efforts of the institution. More than 300 plants and trees are grown all over the campus.
 - Well-trained team of gardeners maintain the plantation within the campus.
- **Hazardous waste management**
 - No hazardous waste is produced within the campus.
- **e-waste management**
 - The college does not generate any e-waste. Computers, UPS and Printers are sent to approved scrap dealers for safe disposal.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

The institute practices innovations in teaching learning process such as

- Peer Enabled Learning, Resulting in enhanced outcomes
- ICT Enabled Learning:
 1. NPTEL – Local Chapter: Motivation for certification both by faculty members and students. Secured 18th rank in the country with 377 members certified.
 2. IIT-Bombay: Spoken tutorial
 3. Effective usage of Moodle
 4. Certification by Course era
 5. MHRD Amrita Virtual lab National topper
- Industry Connect
 1. One credit industry courses
 2. Value Added Courses with certifications

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Sl.No.	Plan of Action	Action Taken
1.	Implementation of CBCS for the Students admitted from the academic year 2016-17 onwards and continuous upgradation as and when required	Choice Based Credit System (CBCS) is being introduced from the 2016 regulations, to strengthen interdisciplinary and multidisciplinary approach with advances in learner-centric programmes and life-long learning opportunities with enriched and flexible contents
2.	Strengthening of Teaching-Learning Process	The following measures are taken to enhance the teaching learning process: <ul style="list-style-type: none">• Smart boards are installed in the class rooms to enhance the teaching learning process• Introduction of Choice Based Credit System and need based Curriculum• Continuous internal evaluation with higher weightage• Multi disciplinary projects• Mini projects• Blended Learning Approach

		<ul style="list-style-type: none"> • Fast track system • Value Added Courses • Scope for Self-learning • NPTEL Online Certification (Both Faculty and Students) • Business English Certification from Cambridge University (Both Faculty and Students) • Well defined Course Objectives and Course Outcomes
3.	Active Engagement of Faculty Members in research and Development activities	<ul style="list-style-type: none"> • Total Number of Funded Projects (On-going): 11 • Total Number of Funded Projects completed : 06 • Total Grant Received : Rs. 1,95,48,010/- • Total Number of Project Proposals Submitted to Funding Agencies during Academic Year 2017-18: 61 • Total Number of Proposals Submitted to Funding Agencies for conducting conferences/ workshops/ seminars during Academic Year 2016-17: 55
4.	Efforts to improve proficiency in communication skills for faculty members and students	<p>Faculty Members and Students have undergone Business English Certification (BEC) in the Academic year 2017-2018 to improve their Communication skills.</p> <p><u>BEC Certification Exam</u></p> <p>BEC Preliminary Exam:</p> <p>No of Students Certified : 970</p> <p>No of Faculty Certified : 131</p>
5.	Encouragement of students for participation in co-curricular activities	Total Number Of Students Participation In Symposia, Seminars, And Workshops During The Academic Year 2017-18: 2048
6.	Improvement in Industry Institute Interactions	<ul style="list-style-type: none"> • Students Project Awards by industries : 15 • Number of Industrial projects undertaken : 14 • Number of Visits to the Industry by faculty: 102
7.	Enhancement of Laboratory Infrastructure	<ul style="list-style-type: none"> • Upgradation of Embedded Laboratory in the department of Computer Science and Engineering for Rs.3,00,000/- • Molecular Diagnostic Laboratory is established in the Department of Biomedical Engineering with an investment of Rs. 12,89,494/-
8.	Establishment of Center for Excellence	A Centre for Excellence is being established in the Department of Computer Science and Engineering on Cloud in collaboration with Virtusa, Bengaluru

9.	Inviting experts and Industrialists for guest lectures and interactions	Total number of Industry person who visited the college during the Academic year 2017-18: 252
10.	Strengthening of Placement training	The career development and placement division constantly organizes various training sessions for the benefit of the students.

7.3 Give two Best Practices of the institution

Title of the Practice 1: *Extensive Industry Institute Interaction*

Outcomes:

- Industry defined / Industry Prescribed curriculum in all the programmes
- Industry Internship for 3 months to 6 months durations in the Industry for the students
- Technical Value added courses conducted by Industry experts
- Inplant training and Project work in industries
- Guest lectures, seminars by Industry experts
- Workshops organized in collaboration with Industries
- Faculty training in the Industries
- Consultancy services provided to the Industries
- Testing service offered to Industry
- Industry sponsored laboratories
- Enhancement in campus placement offers to the students of all the programmes

Title of the Practice 2: *Centre for Innovation*

Outcomes :

- A **Centre for Innovation** has been setup in the campus. This nurtures multi disciplinary research and takes initiatives in validating the research findings.

Sample Projects available in the innovation centre

Solar powered wheel chair developed by the department of Electronics and Instrumentation Engineering funded by IEEE – EPICS. This initiative has been taken after the discussion with the children with special needs and their inputs are taken into consideration for research.

Track ur Spot (Vehicle Tracking System): It is designed for tracking and monitoring vehicles. It is essentially a “set and forget” system that requires little or no maintenance. Track Ur Spot provides customization based on the user requirements, extensive reporting and analytics to keep fleet management cost effective and safe. It is provided with a user friendly Android application to track the vehicle on Google Map. The live tracking and performance of the vehicles is monitored through the website www.tackurspot.com which is also integrated with the cloud environment. It monitors the

Speed and provides an alert on over speed of vehicles and making the transportation more reliable and safe. Track Ur Spot is supported by extensive report reflecting the performance of the vehicle and the vehicle driver. This system is supported with a Battery Power backup

Heart Beat Monitoring System Using Light-Fidelity (Li-Fi): Usually Wi-Fi is used to monitor the patients. Wi-Fi uses RF that causes health vulnerabilities. Some people claim they are hypersensitive to radio frequencies and are looking for an alternative. Li-Fi is a good solution to this problem. The number of heart beat per minute should be 72 for a normal human. The regularity of BPM is important for heart patients. The heart beat can be continuously monitored and sent to the receiver using Li-Fi technology.

Light-Fidelity supports innumerable applications. There is a very high scope for wireless communication in the medical field. There are many devices that work on Wi-Fi such as infusion pumps, defibrillators, monitors, lung ventilators and anesthesia machine. To develop a system that detects the heart rate of a bed-ridden patient. The heart rate can be viewed through the mobile using the Li-Fi technology. The system is used to find whether the heart pulse of a patient is regular.

- Infymakers award sponsored by Infosys-**Heart Beat Monitoring System Using Light-Fidelity (Li-Fi)- won a cash award of Rs. 5 lakhs**

SLEEP : Health Care to get over Insomnia: Insomnia is one of the most prevalent sleep disorders worldwide. Some of the deficiencies of the current treatment of insomnia are side effects in case of sleeping pills and high costs in the case of psychotherapeutic treatment. This invention provides the combination of audio visual entertainment and acupressure therapy for insomnia.

NIDRA YANTRA-Audio Visual Entrainment and Acupressure Therapy for Insomnia is a portable device, which will aid in providing therapy for people suffering from stress induced insomnia, by the distinctive technology known as Audio Visual Entrainment combined with the power of the time-honoured practice of Acupressure Therapy. In this, AVE is done using differential binaural beats of **4Hz** (as this frequency corresponds to the frequency of the delta waves in the brain which are associated with sleep), along with flashes of red light using **LED** as this stimulates melatonin production which induces sleep. Concurrently, acupressure therapy is provided using a specially designed collar augmented with motors that target the specific acupressure points in the neck that are associated with relaxation. The device will be a boon to the sleepless, as it induces sleep naturally without the need of sleeping pills or counseling.

Single Seated Winch Mechanism for Improving Windmill Maintenance: Wind energy has become a main source of harnessing electric power. The global cumulative capacity of wind power by the end of 2016 is 486.6 GW and the forecast implies an increase up to 800 GW by 2021. As the wind energy harnessing capacity of the wind mills increase, their heights increase. The conventional wind mill towers range from 30 meter to 120 meter in height and is predicted to increase up to 250 meter in near future. Such Wind mills

are maintained for continuous usage throughout the year during which the accessibility to the Nacelle of the wind mills is done manually using ladders. A design proposal is presented for easy transportation of the maintenance personnel from the bottom to the upper platform. The proposed design consists of a rack and pinion elevator mechanism. The pinions are powered by suitable motor and gearboxes to achieve the rated speed of 0.15 m/s. The carriage, on which the personnel can be seated, transports the personnel upwards along the rack. Various safety features like disc brakes, emergency stops, self-locking worm gear drives are used to ensure complete safety of the personnel during travel. The system design and the components used are confirmed with industrial standards. The safety, reliability, robustness, cost- effectiveness and commercial feasibility of the elevator mechanism are tested with its scale down model.

Analyzing Agriculture Field using Autonomous Quadcopter: This project uses an autonomous quadcopter to capture various environmental parameters surrounding the agricultural field using IoT sensors mounted on the quadcopter and to capture images using a modified camera. Using the data and images captured, analysis is made to better assess the crops health and overall yield.

Hydrolated Espial Drone: Hydrolated Espial Drone is a new Algorithmic Quad Copter which is designed for HealthCare Applications. The system is built with HED algorithm which is used to navigate locations at Emergence times. Primary focus is for carrying blood samples and HealthCare devices from hospitals to Emergence Locations. Drone is designed for autonomous navigation.

Marine Growth Prevention using Nano Coating : A nanocomposite paint has been formulated by the department of Nanoscience and technology, for preventing marine biofouling which corrodes the offshore rigs and underwater structures. Excellent results were obtained interms of biofouling prevention as the mild steel specimen coated with our formulation has withstood algal attack in a simulated laboratory condition for a period of four months .

Semi automatic machine table: To design, fabricate and install a semi automatic machine table for spot welding of canisters. The proposed system improves the productivity at shop floor by Job setting with laser beam positioning helps the operator to eliminate the number of trial positioning of the spot welding electrode on the job. Clamping of the job ensures its position until the completion of work. Handling of job is a lot more easier using the proposed method. Direct human handling of job is reduced. Maneuvering the job for positioning at the specified location will be easier just by a button press

Pricol Ltd : 3D modelling & Embedded software for automotive instrument clusters

Nano Coating for Horn contact rivet pins : Nanocoating on the surface of the contact rivet pins using graphene material , to prevent corrosion and retain the conductivity for automotive applications. Coated Horn pins were subjected to contact

riveting in which six out of seven samples were found good. Further initial performance testing was conducted (few cycles of horn operation) and the horns were opened to study the coating adhesion which indicate failure in one set of samples. Remaining five set of samples, was subjected for endurance testing - 100 cycles (1 sec On and 3 sec Off) and the observation was recorded. Pulsed electrodeposition process showed promising results, while spray coating drastically effects the conductivity due to the addition of polymeric agents. Pulsed Electrodeposited by pure graphene remarkably showed better performance than the graphene composite coating.

Non invasive cost effective device to induce sleep: The non-invasive device proposed to induce sleep makes use of audio-visual entrainment (AVE) technology aided with acupressure therapy. The device deploys AVE technique with acupressure therapy to induce sleep by controlling the environment of the user. Two important parameters to induce sleep are light and sound. The sound is applied as binaural beats of frequency 4 Hz. The selected frequency will guide the brain activity to slip to delta region, responsible for sleep. RED light is flashed over a safety eye mask. The red light (645nm) promotes the secretion of melatonin, a hormone necessary for sleep and maintenance of circadian rhythm.

Permanent Magnet Synchronous Motor : Design of PM outer rotor generator with software simulation For the given specifications and part drawings, Machine model for Outer Rotor Permanent Magnet Generator was developed using Ansys Electromagnetic software in RMxpert Toolbox and simulation was done to finalize the machine parameters. With the help of Optimetrics tool box, optimization is also done for core length as well as airgap .The machine performance is studied in all aspects and simulation result summary was submitted. Then using Ansys Maxwell 2D/3D Finite Element Analysis tool, the Electromagnetic analysis as well as thermal analysis have been done and the results are submitted.

Machine vision system : Machine Vision System for Label Inspection for the production line and Machine vision system for automotive bearings to improve productivity in the production line.

Axis positioning module for pick to light with laser : The purpose of the Project Summary is to develop a 2 axis angular positioning module for laser assisted picking of parts from bins, typically in a warehouse or assembly station.

7.4 Contribution to environmental awareness / protection

- Environmental awareness is encouraged by all the departments to instill interest among the campus population on the importance of green campus
- Rain water harvesting is implemented on the campus.

- A Sewage water Treatment Plant is functioning in the campus.
- Efficient water conservation is followed in the campus

7.5 Whether environmental audit was conducted?

Yes

☐

No

☒

7.6 Any other relevant information the institution wishes to add.

Awards:

- **First Rank at the National Annual Nodal Centre Conference** by MHRD under NME-ICT for the consistent usage of Virtual Labs
- Dr.N.R.Alamelu Principal has been honored with the **Woman Achiever Award** by the PSG & Sons' Charities
- L&T Technology Services Ltd. Open innovation contest **TECHgium - National Gold Award Winner** - Cash Award **INR 5 Lakhs** – Second Consecutive Year
- Best Accredited Student Branch Award by **Computer Society of India**
- **22nd Rank** in the Sep – Oct 2017 NPTEL Examination with **AA Grade** at National Level
- Gandhian **Young Technological Innovation award** by BIRAC- Biotechnology Industry Research Assistance Council, New Delhi
- **ISTE BEST STUDENT AWARD** for performance in academic and extracurricular activities at 17th ISTE annual convention
- Best WIE Student Branch Affinity Group of the Year Award in **IEEE Asia Pacific Region**
- Dr.J.Anitha Associate Professor / IT recognized as **Silver Partner** under Inspire, Infosys Campus Connect, Infosys, Mysore
- Mr.N.Senthil Kannan AP / MECH has received **ISTE – Best Students Chapter – Faculty Advisor Award** for Engineering Colleges in Tamil Nadu & Pondicherry
- Dr.P.Perumal Professor / CSE has received the **Longest Continuous SBC Award** by Computer Society of India

Accolades:

- Top - 50 Engineering Colleges in The Week Survey.
- Ranked **AAAA** in Career 360 Survey.
- Ranked A++ and Top - 10 Institutions in Placement and Industry Interface by Business and Management Chronicle Survey.

Awards and Recognition Received by the Faculty

- **Dr. S.U.Prabha** Professor & Head / EEE, has received the **Best Teacher Award** from Institute for Exploring Advances in Engineering, Bangalore.
- **Dr. S.U. Prabha** Professor& Head/EEE has been awarded with **PROCTOR @ IEEE Xtreme 11.0 - 24 Hour Programming Contest** organized by IEEE Head Quarters, New York
- **Dr.G.Gopu** awarded as the **RASHTRIYAGAURAV AWARD** by the India International Friendship Society, New Delhi.
- **Dr.G.Gopu** awarded as the **THE BEST CITIZENS OF INDIA AWARD 2017** by the International Publishing House.
- **Dr.E.Sarojini**, Professor & Head / Civil, has received **RASHTRIYA GAURAV AWARD** from India International Society.
- **Dr.E.Sarojini**, Professor & Head / Civil, has received **BEST CITIZENS OF INDIA AWARD 2017** from International Publishing House.
- **Dr.K.Srinivasan**, Professor & Head, / EIE, **Dr.B.Sharmila**, Professor/EIE and **Mr.Y.Dharshan**, Assistant Professor (Sr.G) has Received **BEST PAPER AWARD** from IEEE International conference on Infocom Technologies and Unmanned Systems (Trends and future directions), Dubai during December 18th - 20th , 2017.
- **Dr.K.Srinivasan**, Professor & Head / EIE and **Mrs.R.Ramya**, Assistant Professor/EIE has Received **BEST PAPER AWARD** from AICTE sponsored National conference on Research issues in Image and Signal Processing organized by the department of ECE at Sri Ramakrishna Engineering College during November 23rd – 24th , 2017.
- **Dr.B.Sharmila**, Professor Department of EIE has nominated for **OUTSTANDING WOMAN IN ENGINEERING** for the initiatives and developments in the field of Electronics and Instrumentation Engineering, awarded by Venus International Foundation, Chennai.
- **Dr. M.S.Geetha Devesena**, Professor/CSE has been selected as an **OUTSTANDING WOMAN IN ENGINEERING** with an award for the initiatives and developments taken in the field of Computer Science and Engineering by Venus International Foundation Chennai.

- **Dr. R. Kingsy Grace**, AsP/CSE , **Mrs. Ezhilin Freeda**, AP/CSE and **Mr. S. Suresh kumar**, AP/CSE is recognized as **BRONZE PARTNER FACULTY** under Inspire – The campus connect faculty partnership model
- **Mrs. Sugantha Priyadharshini**, AP/CSE has been selected for **YOUNG WOMAN IN ENGINEERING AWARD** organized by Venus International Foundation, Chennai .
- **Mr. C.Praveenkumar**, Assistant Professor / EEE, has received the **Best Teacher Award** from Institute for Exploring Advances in Engineering, Bangalore.
- **Dr..R.MaryMetilda**, Professor & Head/MBA, has received **BEST PROJECT GUIDE AWARD** from Coimbatore Management Association.
- **Dr.Vathana Fenn & Mrs.C. Joanna Pauline** has received the **TOPPER AWARD** for the NPTEL Course ‘Technical English for Engineers’ Conducted in September 2017.
- **Ms. C. Premalatha**, Assistant Professor / IT has received **YOUNG WOMAN IN ENGINEERING AWARD** for the contribution and achievement in the field of Information Technology from Venus International Foundation, Chennai.
- **Dr. V. Karpagam**, Professor / IT has been awarded with Inspire-Infosys Campus Connect **FACULTY EXCELLENCE AWARD - BRONZE LEVEL** in 2017.
- **Dr. J. Anitha**, Associate Professor / IT has been awarded with Inspire-Infosys Campus Connect **FACULTY EXCELLENCE AWARD – SILVER LEVEL** in 2017.
- **Mr.K. Balamurugan**,Assistant Professor (Sl.Gr.)/EEE has been awarded with **MGM AWARD** with 20 US \$ organized by IEEE Head Quarters, New York
- **Mr.K. Balamurugan**,Assistant Professor (Sl.Gr.)/EEE has been awarded with **APPRECIATION** for organizing activities towards the advancement of IEEE and Engineering Professions, cash prize of Rs.1,000/- with B grade organized by IEEE Madras Section
- **Mr.K. Balamurugan**,Assistant Professor (Sl.Gr.)/EEE has been awarded with **PROCTOR @ IEEE Xtreme 11.0 - 24 Hour Programming Contest** organized by IEEE Head Quarters, New York
- **Dr. C. S. ManikandaBabu**, Associate Professor / ECE, has received **DR.A.P.J ABDUL KALAM AWARD** For Teaching Excellence from Marina Labs,Research and Development, Chennai.
- **Dr.S.Arul Jothi**, Assistant Professor(Sr.G) / ECE has received **YOUNG WOMAN IN ENGINEERING AWARD** for the contribution and achievement in the field of Electronics and Communication Engineering from Venus International Foundation, Chennai.

8. Plans of institution for next year

- To Continue the process of strengthening the Campus Facility / Support Systems
- To engage the faculty members and students in Self Learning
- To encourage continuous improvement in Research and Development
- To motivate the faculty members for continuous Industry Institute Interaction and Consultancy activities
- To enhance collaborative initiatives in the areas of academics, research and innovation, both at National and International level
- To strengthen the Placement Training

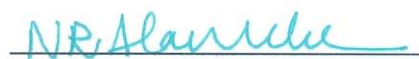
Name : Dr.S.U.PRABHA



Signature of the Coordinator, IQAC

Dr. S. U. PRABHA, M.E., MBA., Ph.D.
DIRECTOR
Internal Quality Assurance Cell
Sri Ramakrishna Engineering College
Coimbatore - 641 022

Name : Dr. N. R. ALAMELU



Signature of the Chairperson, IQAC

Dr. N.R.ALAMELU
PRINCIPAL
Sri Ramakrishna Engineering College
Vattamalaipalayam, N.G.G.O. Colony Post,
Coimbatore - 641 022.

Annexure – I

TECHNICAL PUBLICATIONS (Academic Year 2017-18)

Total Number of Books/Book Chapters Published : 12

Total Number of Publications by Faculty in Referred National / International Journals : 130

Total Number of Publications by Faculty in Peer Reviewed National / International Journals : 126

1. List of Books/Book Chapters Published

S.No	Name of the Faculty	Title	Publisher
Book Published			
1.	S.Yuvaraj Dr.C.J.Thomas Renald Dr.J.David Rathnaraj	Engineering Mechanics Laboratory-Instruction Manual	Bonfring
2.	Mrs. M. Siva Sangari AP(Sr.Gr) / IT	Problem Solving and Python Programming	Thakur Publication Pvt. Ltd., Chennai ISBN: 978-93-87093-22-5 First Edition: 2017-18
3.	Mr.P.Sooriya Narayanan, AP/CIVIL	Prediction of shear strength Parameters of sand	Lambert Academic Publishing, Germany
4.		Development of New Empirical Correlations of a sand	Lambert Academic Publishing, Omniscritum Publishing, Europe
5.		Optimization of Fresh Properties of FRSCC using SFDM	Scholar Press, Omni Scriptum Publishing, Europe
6.	Dr. N. Rajasekaran	Basic Science Laboratory Manual / Record	PEE VEE GRAPHICS
7.	Dr.M.Jagadeeswari Prof&Head/ECE Dr.C.S.Manikanda Babu.,Asso Prof/ECE Dr.B.Nataraj., Asso Prof/ECE	Proceedings of National Conference on “Research Issues in Image and Signal Processing”	BonFring USBN No: 978-93-86638-45-8

8.	Dr. K. Uthayarani Dr. R. Kesavasamy Dr.M.RM.Krishnappa	Basic Sciences Laboratory Manual Cum Record	R.K.Publishers
Book Chapter			
1.	Mr. N. Suresh Kumar Assistant Professor/IT	Chapter titled “Visualizing Online Social Networks” of the Book “Big Data Advanced Theory and Communication”	RK Publication, Vellore, Tamil Nadu ISBN: 978-81-933793-0-1 September 2017
2.	Mr. N. Suresh Kumar Assistant Professor/IT	Chapter titled “Social Network Analysis” of the Book “Integrated Research Strategies in Information Technology	Jupiter Publication Consortium ISBN: 978-93-86388-06-3 , August 2017.
3.	Dr. M.S. GeethaDevasena, R. Kingsy Grace, S. Manju, V. Krishna Kumar	Performance Testing of Web Applications in Private and Public Cloud Infrastructures	Springer Book Chapter, 2018
4.	Mrs. M. Siva Sangari Assistant Professor/IT	Problem Solving and Python Programming	Thakur Publication Pvt. Ltd., Chennai

2. List of Publications in Referred International Journals

S.No	Name of the Faculty with Designation	Title of the Paper	Name of the Journal	Month &Year of Publication
1.	Dr.P.Chandramohan Professor/Mech	Laser additive manufactured Ti- 6Al-4V alloy: Tribology and corrosion studies	International journal of advanced manufacturing technology	2017
2.		Laser additive manufactured Ti- 6Al-4V alloy: Heat treatment studies	Transactions of the Indian Institute of Metals	2017
3.	Mr.R.Sudhakar Assistant Professor/Mech Dr.J.Yoganandh Associate Professorr/Mech	Effect of automated MIG welding process parameters on ASTM A 106 Grade B pipe weldments used in high-temperature applications	Materials and Manufacturing Processes	2017
4.	Mr.R.Raghu Assistant Professor/Mech	Characterization of mechanical properties and three-body	Materialwissenschaf t und	2017

		abrasive wear of functionally graded Aluminium LM25/titanium carbide metal matrix composite	Werkstofftechnik	
5.		Effect of Centrifugal Speed in Abrasive Wear Behavior of Al-Si5Cu3/SiC Functionally Graded Composite Fabricated by Centrifugal Casting	Transactions of the Indian Institute of Metals	2017
6.	Dr. S.U. PRABHA, Professor & Head/EEE	Simulation and Performance Study of Photovoltaic (PV) Module in varied operating conditions	IJSRD - International Journal for Scientific Research and Development	October 2017
7.	Dr.S.ALLIRANI, Associate Professor/EEE	Development of Space Vector Pulse Width Modulation Algorithm for Voltage Source Inverter Using dsPIC Controller 30F4011	International Journal of Pure and Applied Mathematics (IJPAM), (online version), url: http://www.ijpam.eu	2017
8.	Dr.M.Jagadeeswari, Professor & Head/ECE	VQ, SMVQ Based Efficient Reversible Image Data Hiding with EICA Method	Asian Journal of Information Technology	Aug 2017
9.		A New Data Transfer Matrix Methodology For IP Protection Scheme	International Journal of Pure and Applied Mathematics	May 2018
10.		Design and Implementation of High Speed and Low Area Based Approximate Multiplier Architecture for Digital Image and Audio Processing Application	Jour of Adv Research in Dynamical & Control Systems	June 2018
11.	Dr.M.Jagadeeswari, Professor & Head/ECE	FPGA implementation of Speckle Noise Removal in Real Time Medical Images	Journal of Medical Imaging and Health Informatics	Oct 2017
12.		An Integrated Reversible Data hiding and compression using Enhanced Imperialist Competitive Algorithm Optimized Side-Match Vector Quantization	Journal of Computational and theoretical Nano Science	2017

		and Modified FoE Inpainting		
13.	Dr.S.Jayanthi, Professor/ECE	Machine Learning Techniques for Onto-based Emotional Classification of text	International Journal of Pure and Applied Mathematics	2018
14.	Dr.N.Sathish Kumar, Professor/ECE	Bit Error Rate Performance Analysis of Cholesky Decomposition Based Quasi ML Receiver for Large Scale MIMO System	Electronic Government, An International Journal, Inderscience Publication	Nov 2017
15.		Wireless Patient Monitoring Systems	International Journal of Pure and Applied Mathematics	April 2018
16.		A survey on Wearable health Sensor-Based System Design	International Journal of Pure and Applied Mathematics	April 2018
17.	Dr.B.Nataraj, Asso.Prof/ECE	Design of RF MEMS Phase Shifter using Capacitive Shunt Switch	International Journal of Pure and Applied Mathematics	2018
18.	Dr.C.S.Manikanda Babu, Asso.Prof/ECE	A New Data Transfer Matrix Methodology For IP Protection Scheme	International Journal of Pure and Applied Mathematics	May 2018
19.		Design and Implementation of High Speed and Low Area Based Approximate Multiplier Architecture for Digital Image and Audio Processing Application.	Jour of Adv Research in Dynamical & Control Systems	June 2018
20.	Mrs.K.R.Prabha, AP(Sr.G) /ECE	VQ, SMVQ Based Efficient Reversible Image Data Hiding with EICA Method	Asian Journal of Information Technology	December 2017
21.		Design of RF MEMS Phase Shifter using Capacitive Shunt Switch	International Journal of Pure and Applied Mathematics	2018
22.	Dr.J.Sujitha, AP(Sr.G) /ECE	Genetic Gray Wolf based Channel Estimation in Wireless Communication Systems	Wireless Personal Communications	March 2018
23.	Dr.J.Sujitha, AP(Sr.G) /ECE	Blind Channel Estimation Based Linear Precoding using MIMO	Wireless Personal Communications	December 2017

		OFCDM		
24.	Mr.M.Kasiselvanathan, AP(Sr.G)/ECE	Bit Error Rate Performance Analysis of Cholesky Decomposition Based Quasi ML Receiver for Large Scale MIMO System	Electronic Government, An International Journal, Inderscience Publication	Nov 2017
25.	Mr.K.B.Gurumoorthy, AP/ECE	Mutual Constraint Based GA Suggested Routing Algorithm for Improving QoS in Clustered MANETS	Wireless Personal Communications, Springer	Feb 2018
26.	Mrs.N.BanuPriya, AP/ECE	A Cloud Based Risk Prediction of Coronary Heart Disease	International Journal of Applied Engineering Research	May 2018
27.	Mr.N.Deepak, AP/ECE	Simulation Study of Optical and Electrical Characteristics and Its Performance Behavior of a Quantum Dot Based Solar Cells	International Journal of Pure and Applied Mathematics	Aug 2017
28.	Mrs.V.Anupriya, AP/ECE	Implementation of smart traffic management system using LabVIEW	IJSIET	May 2018
29.	Dr.S.Padmapriya, AP/ECE	An Optimized Architecture for Dynamic Reconfigurable FIR Filter in Speech Processing	Malaysian Journal of Computer Science	2018
30.	Dr.R.MADHUMATHI, AP (Sr. Gr.)/CSE	User's priorityfocusedresourceprovisioningovercloudcomputinginfrastucture	Int. J. Grid and Utility Computing	Nov 2017
31.	Mrs.R.ANURADHA, AP (Sr. Gr.)/CSE	A Novel Approach in Mining Specialized Coherent Rulesina Level-Crossing Hierarchy	International Journal of Fuzzy Systems	Aug 2017
32.	Mr.T.GUHAN, AP (Sr. Gr.)/CSE	An AccuratePrediction and Classificationof Ovarian Cancer UsingMicroarrayData	Journal of Advanced Research in Dynamical and Control Systems	Aug 2017
33.	Mr.T.GUHAN, AP (Sr. Gr.)/CSE	OvarianCancerDisease Prediction andCategorization Its Level UsingHybrid ClassificationApproach	Journal of Bio Technology	Aug 2017
34.	Mrs.S.SUGANYA, AP/CSE	AUTOMATICWATER LEVELCONTROL	ICNFESMH – UGCAPPROVED JOURNAL	Sep 2017
35.	Mrs.P.SUGANTHA	AutomobileBreathalyzer	InternationalJour	Oct

	PRIYADHARSHINI, AP/CSE	using ImageProcessing	nalofInnovations (UGCApproved)	2017
36.	Ms.A.JEYAPRIYA, AP/CSE	Density Based Traffic System and Collision Alert at Intersection of Roads	Journal of Electrical Engineering &Electronic Technology	July 2017
37.	Dr.J.SELVAKUMAR, Professor/CSE	A Novel Framework to Facilitate personalized web search in a dual mode	Springer Cluster Computing	Dec 2017
38.	Mr.S. SURESH, AP (Sr. Gr.)/CSE	Intelligent Traffic Management using Drones	IJETSR	Dec 2017
39.	Dr. M. Senthamil Selvi, Professor& Head/IT	Smart SMS Alert System to Minimize the Impact of Human Elephant Conflict in the Borders of Coimbatore Districts	IEEE R10 International Humanitarian Technology Project Competition	December 2017
40.		Spatial Variability of Crop Yield based on Soil Mapping through Precision Crop Track App	IEEE R10 International Humanitarian Technology Project Competition	December 2017
41.		Notification of Landslides through UAV based Remote Sensing	IEEE R10 International Humanitarian Technology Project Competition	December 2017
42.	Dr. Preethi Harris Assoc. Prof / IT	Post Earthquake Disaster Awareness to Emergency Task Force Using Crowd sourced Data	Proceedings of IEEE International Conference on Industrial and Information Systems, University of Peradeniya, Sri lanka	December 2017
43.		Notification of Landslides through UAV based Remote Sensing	IEEE R10 International Humanitarian Technology	December 2017

			Project Competition	
44.	Dr. J. Anitha, Asso. Prof / IT	Post Earthquake Disaster Awareness to Emergency Task Force Using Crowd sourced Data	Proceedings of IEEE International Conference on Industrial and Information Systems, University of Peradeniya, Sri Lanka	December 2017
45.	Dr. J. Anitha, Asso. Prof / IT	Notification of Landslides through UAV based Remote Sensing	IEEE R10 International Humanitarian Technology Project Competition	December 2017
46.	Mr. C. Rajmohan, AP(Sl.Gr)/IT	Efficient Mobility Prediction using Clustering Based Modified Cuckoo Search Optimization Approach Over MANET	International Journal of Printing, Packaging and Allied Sciences	2017
47.	Mr. S. Bhaggiaraj AP(Sr.Gr) / IT	A Reliable Privacy Preserving Framework for Securing Data Services in private storage Clouds	Perspectivas em Ciencia da Informacao	2017
48.	Mrs. M. Siva Sangari AP(Sr.Gr) / IT	Smart SMS Alert System to Minimize the Impact of Human Elephant Conflict in the Borders of Coimbatore Districts	IEEE R10 International Humanitarian Technology Project Competition	December 2017
49.		Spatial Variability of Crop Yield based on Soil Mapping through Precision Crop Track App	IEEE R10 International Humanitarian Technology Project Competition	December 2017
50.	Mrs. A. Kayalvizhi AP / IT	Spatial Variability of Crop Yield based on Soil Mapping through Precision Crop Track App	IEEE R10 International Humanitarian Technology Project	December 2017

			Competition	
51.	Mrs. S. Jansi Rani, AP/IT	Sentimental Analysis of Whatsapp Data Using Data Analytics Techniques	Journal of Data Mining and Management	August 2017
52.		Smart SMS Alert System to Minimize the Impact of Human Elephant Conflict in the Borders of Coimbatore Districts	IEEE R10 International Humanitarian Technology Project Competition	December 2017
53.	Ms. C. Premalatha, AP/IT	Sentimental Analysis of Whatsapp Data Using Data Analytics Techniques	Journal of Data Mining and Management	August 2017
54.	Dr.K.Srinivasan Professor & Head/EIE	Level control of three-tank system using intelligent techniques	International Journal on Image Mining, Inderscience publishers	2017
55.		Pipelined 16X16 Vedic multiplier	International Journal of Advances in Natural and Applied Sciences	2017
56.	Dr.K.Srinivasan Professor & Head/EIE	Optimization technique for networked controlled DC motor with induced delay and Noise	IEEE International conference on Infocom Technologies and Unmanned Systems (Trends and future directions)	December 2017
57.		Prenatal care diagnosis: Automatic detection of intrauterine gown restriction	AICTE sponsored National conference on 'Research issues in Image and Signal Processing	November 2017
58.		Measurement of bio signal and remote monitoring of individual using wearable device & IoT	AICTE sponsored National conference on 'Research issues in Image and Signal Processing	November 2017

59.	Dr.B.Sharmila, Professor/EIE	Fuzzy Logic Real Time Networked Control System	Journal of Electrical Engineering	2017
60.		Optimization technique for networked controlled DC motor with induced delay and Noise	IEEE International conference on Infocom Technologies and Unmanned Systems (Trends and future directions)	December 2017
61.	Dr.V.Rukkumani, Associate Professor/EIE	Analysis of Bio signal using nano devices	International journal of Multi- Disciplinary Research	2017
62.		Fabrication of SRAM Memory Devices using Co-doped SnO ₂ Nano particles	Journal of Ovanic Research	2017
63.		Analysis of Bio signal using nanoparticles	International Journal of Trend in Research and Development	2017
64.	Dr.V.Radhika, Assistant Professor/EIE	High Resolution DPWM Clustered Architecture for Digitally Controlled DC-DC Converter Using FPGA	Journal of Network, Software Tools and Applications	2017
65.		Water Desalination Technique using Graphene – Carbon Electrode	National Conference on Science, Technology and Environment: Prospects and Limitations in the 21st century, 2017	October 2017
66.	Mrs.D.Devasena Assistant Professor/EIE	FPGA Implementation Of Speckle Noise Removal In Real Time Medical Images	Journal of Medical Imaging and Health Informatics	October 2017
67.		FPGA Implementation of Noise Removal in Digital Images	Asian Journal of Convergence in Technology	December 2017
68.		Removal of Impulse Noise in Digital Images using VLSI Architecture	National conference on Research	November 2017

			issues in Image and Signal Processing,	
69.	Mr.Y.Dharshan, Assistant Professor/EIE	Electric Wheelchair for Physically Challenged	International Research Journal of Engineering and Technology	2017
70.		Fuzzy Logic Real Time Networked Control System	Journal of Electrical Engineering	2017
71.		Optimization technique for networked controlled DC motor with induced delay and Noise	IEEE International conference on Infocom Technologies and Unmanned Systems (Trends and future directions)	December 2017
72.	Mr.S.Kaushik , Assistant Professor /EIE	Performance of Artificial Neural Network In Prediction of Heave Displacement For Non-Buoyant Type Wave Energy Converter	IET Renewable Power Generation	January 2017
73.		LabVIEW based Green House Automation System through Wireless Protocol	IEEE International Conference on Inventive Systems and Control (ICISC 2018)	2018
74.	Mr. K. Pooventhan, Assistant Professor/EIE	IoT Based Water Usage Monitoring System Using Lab VIEW	American University in the Emirates International Research Conference (AUEIRC), Dubai, 2017.	November 2017
75.		Design of SEPIC implementing FOPID tuning method using PSO	International Mathematic Conference	January 2018
76.	Mr.M.Nagarajapandian, Assistant Professor /EIE	Automatic Cane Feeding and Mill Speed Indication in Sugar Plant”	International Journal of Engineering Technology Science and Research	2017
77.		Design and Implementation of Controllers	International Journal of	2017

		For Quadruple Tank System	Advanced Research in Education & Technology	
78.		Comparison and Implementation of Controller for Quadruple Tank System	International Conference on Recent Advancements in Information Technology, Science and Engineering	December 2017
79.		Design and Implementation of Controllers for Quadruple tank system	International conference on XIV Control Instrumentation system conference - CISCON 2017	November 2017
80.		Automatic Cane Feeding and Mill Speed Indication in Sugar Plant	3 rd International Conference on New Frontiers of Engineering, Science, Management and Humanities	July 2017
81.	Mr.S.Vivek, Assistant Professor/EIE	"Fuzzy Logic Control for Real time networked control system"	Journal of Electrical Engineering,	2017
82.		Design and Implementation of Controllers for Quadruple tank system	International conference on XIV Control Instrumentation system conference - CISCON 2017	November 2017
83.	Mr.M.Prabhakaran, Assistant Professor/EIE	Design and Implementation of Low Cost Human Health Monitoring System using Raspberry Pi2	IEEE Conference Proceedings, International Conference on Electrical, Instrumentation and Communication Engineering,	December 2017
84.	Mrs.T.Anitha, Assistant Professor/EIE	Human Supporting Robot for Elderly People	Middle-East Journal of Scientific Research	June 2017
85.		Automatic Cane Feeding and Mill	3 rd International	July

		Speed Indication in Sugar Plant	Conference on New Frontiers of Engineering, Science, Management and Humanities	2017
86.	Mrs.R.Ramya, Assistant Professor/EIE	Smart Gas Utilization System	International Journal for Science and Advance Research in Technology	January 2017
87.		Certain Investigation on prenatal medical image analysis	IEEE xplore	2017
88.		Smart Attendance System Using Face Recognition	Advanced in natural and Applied Sciences	May 2017
89.		Prenatal Care Diagnosis: Automatic Detection of Intrauterine Growth Restriction Certain Investigations on Prenatal medical Image analysis	IEEE International Conference on Research Issues in Image and Signal Processing	November 2017
90.	Mr.K.N.Thirukkuralkani, Assistant Professor/EIE	LabVIEW based Green House Automation System through Wireless Protocol	IEEE International Conference on Inventive Systems and Control (ICISC 2018),	2018
91.	Mr..P.Arun Mozhi Devan, Assistant Professor/EIE	Water purification using nano Filters	International Journal of Control Theory and Applications	March 2017
92.		Fire Suppression and Alerting System in Railways	International Journal of Engineering Research in Electronics and Communication Engineering (IJERECE)	May 2017
93.		IoT Based Water Usage Monitoring System Using Lab VIEW	American University in the Emirates International Research Conference (AUEIRC)	December 2017
94.	Mr.S.Jeevanantham,	Automatic License Plate	Journal of	2017

	Assistant Professor/EIE	Recognition System using Cascade forward Neural Network	Embedded System and Processing	
95.		Water purification using nano Filters	International Journal of Control Theory and Applications	March 2017
96.	Mrs.T.Divya, Assistant Professor/EIE	Generation and Analysis of Oxy hydrogen (HHO) Gas	International Journal of Current Advanced Research IJCAR	November, 2017
97.		Design of SEPIC using FOPID Tuning with PS	6th International Conference on Computer Science and Computational Mathematics	2017
98.		Design of SEPIC implementing FOPID tuning method using PSO	International Mathematic Conference	January 2018
99.		IoT Based Water Purification System using Graphene	International Journal of Electrical, Electronics and Computer Systems	May 2017
100.		Water purification using nano Filters	International Journal of Control Theory and Applications	March 2017
101.	Mr.V.Siva Asst.Prof/Aero	Theoretical Investigation of Liquid Propellant Rocket Engine	International Journal of Engineering Research and Applications	March 2018
102.	Mr.R.K.Jayakumar Asst.Prof/Aero Mr.T.Ashokkumar Asst.Prof/Aero	Augmentation of safety in commercial vehicles by Countering Overloading Problems	International Journal of Creative Research Thoughts	March 2018
103.	Mr.K.Sathiyalingam Asst.Prof/Aero Dr.J.DavidRathnaraj Prof& Head Mr.C.Dinesh Asst.Prof/Aero	Enhancing Corrosion Resistance in Aircraft Fuselage skin by using Hydrophobic Coatings	IEEE	February 2018
104.	Dr.P.V.Selvan Asso. Prof /Aero	Behaviour of Torsional Reinforcement in R.C Slab with	International Journal of	December 2017

		Two ends Discontinuous and other ends Continuous	Engineering Technology Sciences and Research	
105.	Mr.R.K.Jayakumar Asst.Prof/Aero Mr.T.Ashokkumar Asst.Prof/Aero	Comparative Study & Performance Analysis of Copper, Aluminium&Cuprobrazed Radiators using Flow Simulation Software.	International Journal of Engineering and Techniques	Sep-Oct 2017
106.	Mr.V.Siva Asst.Prof/Aero	Investigation of Solid Propellant Rocket Engine – An Theoretical Approach	International Journal of Engineering Research and Applications	2017 September
107.	Dr.P.V.Selvan Asso. Prof /Aero	Behaviour of Torsional Reinforcement in R.C Slab with Two ends Discontinuous and other ends Continuous	International Journal of Advanced Engineering Technology	July-Sep 2017
108.	Mr.C.Dinesh Asst.Prof/Aero	Experimental Investigation of Natural Fibre Reinforcement Hybrid Composite	International Journal of innovative science and research technology	March 2018
109.	T. Daniel Thangadurai Professor and Head/Nano	Thin Film Perovskite Active Layer Formation And Its Stability Analysis	International Journal of Chemical Concepts	November 2017
110.	Dr.C.Narendhar, AP-Nano	Development of Rutin Suspension and Evaluation of Corneal Permeation across the Goat Cornea	Journal of Chemical and Pharmaceutical Sciences	June 2017
111.	Dr. R. Mary Metilda, Professor & HoD/MBA	Resource Bootstrapping and Bricolage: A Reflex to Scarcity and Uncertainty: A Case of Indian Informal Grocery Retailers	Middle -East Journal of Scientific Research	2017
112.		Impact of Digital Technology on Learning to Employability Skills of Business Management Graduates	The Online Journal of Distance Education and e-learning	2017
113.	Mrs.C.Shajitha Begum, AP/Maths	On w_i -ideals of lattice Wajsberg Algebras	Global Journal of Pure and Applied Mathematics	November 2017

114.		Fuzzy and Normal Fuzzy Wi-ideals of Lattice Wajsberg Algebras	International Journal of Mathematical Archive	November 2017
115.		Intuitionistic Fuzzy wi-ideals of lattice Wajsberg Algebras	International Journal of Fuzzy Mathematical Archive	January , 2018
116.	Mrs.C.Shajitha Begum, AP/Maths	Properties of Annihilators in lattice Wajsberg Algebras	Journal of Advances in Mathematics and Computer Science	January 2018
117.	Mrs.D.Indhumathy, AP(Sr.G)/Maths	Analysis of Wind Speed at Sullur-A Bimodel Weibull and Weibull Distribution	International Journal of Latest Engineering and Management Research	October 2017
118.	Mrs.D.Narmatha, AP(Sr.G)/Maths	A Study on α -Domination of Cartesian product of a class of path semigraphs	International Journal of Latest Engineering and Management Research	December 2017
119.	Mrs.B.Vennila, AP(OG)/Maths	Fuzzy Queue Based Bee Routing Algorithm for Manet	International Journal of Pure and Applied Mathematics	December 2017
120.		Cross layer Game Theory Based Congestion Control Algorithm for Manet	Journal of Advanced Research in Dynamical and control Systems	September ,2017
121.		Fuzzy Queue Scheduling Based Cross layer Congestion Control For Manet	International Journal of Latest Engineering and Management Research	January , 2018
122.	Dr. K. Uthayarani Prof and Head/Physics Dr. M. Chitra, AP (Sr. Gr)/Physics Mrs. R. Vasanthapriya, AP (Sr. Gr)/Physics	Synthesis and characterisation of SnO ₂ nanostructures for Dye-Sensitized Solar Cells	(International Journal) Materials Letters	June 2018

123.	Dr. R. Kesavasamy, Assoc Professor/ Physics	Ultrasonic studies and compressibility behavior of Intermolecular interactions of L-ARGININE IN aqueous fructose (5%) SOLUTIONS AT 303,308 AND 313 K	International Journal of Current Trends in Science and Technology	November 2017
124.	Dr. N. Rajasekaran, Prof & Head/Chemistry Dr. N. Neelakandeswari, Assoc Professor/ Chemistry	Synthesis and characterisation of SnO ₂ nanostructures for Dye-Sensitized Solar Cells	Materials Letters	June 2018
125.	Dr. L. Ragunath, Assoc Professor/ Chemistry	A first report on the crystal structure of hydrazine based solid solution precursor, Mn _{0.61} Zn _{0.39} (OOCCH=NNH ₂) ₂ (H ₂ O) ₂	Journal of Saudi Chemical Society	Jan 2018
126.	Dr. N. Neelakandeswari, Assoc Professor/ Chemistry	Effect of metal oxide charge transfer layers on the photovoltaic performance of carbon nanotube heterojunction solar cells	Materials Letters	June 2018
127.		New heterojunction solar cells using copper oxide ingrained MWCNT: Fabrication and performance analysis	Solar Energy	May 2018
128.	Mrs. J. Sheeja, AP (Sr. Gr.)/Chemistry	Removal of Malachite Green from Aqueous Solution Using Activated Nerium Oleander Leaves	Advances in Natural and Applied Sciences	June 2017
129.	Mrs.K.Savitha, AP(Sr.Gr.)/English	The Theme of Instinctual in Arun Joshi's Novel- The strange case of Billy Biswas	International Journal of English Language, Literature in Humanities	September 2017
130.	Ms.M.Leena Chandrika, AP(Sr.Gr.)/English	Gender Issues and Human Values As Depicted in Namita Gokhale's God's, Graves & Grandmother and Paro Dreams of Passion	Journal of Trend in Research and Development	March 2018

3. Faculty Publications in Peer Reviewed National/International Journals

S.No	Name of the Faculty with Designation	Title of the Paper	Name of the Journal	Month & Year of Publication
1.	P.Chandramohan, Professor/Mech	Effect of built orientation on direct metal laser sintering of Ti-6Al-4V	Indian Journal of Engineering & Materials Sciences	2018
2.		Effect of build direction on the microhardness and dry sliding wear behaviour of laser additive manufactured Ti-6Al-4V,	Materials Today: Proceedings	2018
3.		A review of additive manufacturing of α - β Ti alloy components through selective laser melting and laser metal deposition	Journal of Engineering Science and Technology	2018
4.		Experimental investigations of nitrogen alloyed duplex stainless steel in dry milling process	Journal of Engineering Science and Technology	2018
5.		Laser additive manufactured Ti-6Al-4V alloy: Tribology and corrosion studies	International journal of advanced manufacturing technology	2017
6.		Laser additive manufactured Ti-6Al-4V alloy: Heat treatment studies	Transactions of the Indian Institute of Metals	2017
7.	N.Gunasekar Associate Professor/Mech	Experimental Investigations on a Direct Injection Diesel Engine Fuelled with Mixed Biodiesel	Materials Today: Proceedings	2018
8.		Exergy Analysis of Solar Photo Voltaic Thermal Hybrid Heat Pump working With Circular And Triangular Evaporator Tube Configurations	Pakistan Journal of Bio-Technology	2018
9.	R.Sudhakar, AP/Mech J.Yoganandh, Associate Professor/Mech	Effect of automated MIG welding process parameters on ASTM A 106 Grade B pipe weldments used in high-temperature applications	Materials and Manufacturing Processes	2017
10.	R.Raghu, AP/Mech	Characterization of mechanical properties and three-body abrasive wear of	Materialwissenschaft und Werkstofftechnik	2017

		functionally graded Aluminium LM25/titanium carbide metal matrix composite		
11.	R.Raghu, AP/Mech	Effect of Centrifugal Speed in Abrasive Wear Behavior of Al-Si5Cu3/SiC Functionally Graded Composite Fabricated by Centrifugal Casting	Transactions of the Indian Institute of Metals	2017
12.	S. Venkat Prasat, Associate Professor/Mech	A Review on Mechanical Properties and Microstructure of Aluminium Metal Matrix Composites	International Research Journal of Engineering and Technology	2017
13.	S. Venkat Prasat, Associate Professor/Mech	A Review on Mechanical and Wear Behaviour of Aluminium Metal Matrix Composites	International Research Journal of Engineering and Technology	2017
14.	A.Vadivel, AP/Mech	Investigation on Thermal Performance of Elliptical Piston Profile in Texvel Diesel Engine	International Journal for Scientific Research & Development	2017
15.	G.Anbarasu, AP/Mech	Plant Extract Synthesized Method and Characterization of ZnONanoParticles for Removal of Hazardous Dyes under Natural Light	International Journal of Scientific Research in Science, Engineering and Technology	2017
16.	P.Jidhesh, AP/Mech	Performance of Photovoltaic Cell Based on Reflectivity and Absorptivity	International Journal of Innovative Science and Research Technology	2017
17.	S.Sathish, AP/Mech	Design and Analysis of Composite Leaf Spring -a Review	International Journal of Innovation in Engineering Research & Management	2017
18.	P.T.Saravanakumar Associate Professor /Mech Dinesh, AP/Mech	CFD Simulation on Vertical Axis Wind Turbine – A Review	International Journal of Innovative Science and Research Technology	2017
19.	K.Karthikeyan AP/Mech P.T.Saravanakumar Associate Professor/Mech	Experimental Investigations on Automobile Air Conditioners working with	Thermal Science, International Scientific Journal	2017

		R134A and R290/R600A as an Alternative		
20.	P.Saravanakumar, AP/Mech	Role of Salt Fluxes in Aluminium Refining: A Review	International Journal of Latest Engineering and Management Research	2017
21.	G.Anbarasu, AP/Mech	Preparation and Characterization of Green SynthesisGO/ Metal/metal Oxide Nano-Composites applied for Nanofluid Applications - A Review-	International Journal of Trend in Scientific Research and Development	2017
22.		A review on Recent Non-hazard Eco friendly synthesized ZnO Nanoparticles applied for diverse Applications	International Research Journal of Engineering and Technology	2017
23.	R.Sudhakar, AP/Mech	Review on Erosion and Corrosion Studies on Steel Weldments	International Research Journal of Engineering and Technology	2017
24.		Review on Determination of residual stress in Weldments	International Research Journal of Engineering and Technology	2017
25.	S.R.Durairaju, AP/Mech	Review on Automatic Lubrication Unit	Journal of Research in Mechanical Engineering and Applied Mechanics	2017
26.		A Review on Turbocharging of IC Engine	Journal of Automotive Engineering & Technology	2017
27.	M.Ramesh AP/Mech,	Survey of joining two Dissimilar Aluminium Alloys for Aerospace Applications	International Journal of Innovation in Engineering Research	2017
28.	K.L.Senthil Kumar, AP/Mech	Review on Nanocoatings for Bio-Implants	International Research Journal of Engineering and Technology	2017
29.	T.R.Sathishkumar, AP/Mech	Review on Modified Solar Stills with Thermal Energy Storage and Fins	International Research Journal of Engineering and Technology	2017

30.	N.Gunasekar, Associate Professor/ Mech	Effect of Fumigated Biodiesel on the performance and emission characteristics of a Single Cylinder Diesel Engine	International Journal of Mechanical Engineering and Technology	2017
31.	Dr. S.U. PRABHA ,Professor& Head/EEE	Generalized Design of Transformer Less Photovoltaic Inverter for Elimination of Leakage Current and Pulsating Power in Grid Connected System	International Journal of Scientific Research in Science, Engineering and Technology	March-April 2017
32.	Dr.C.S.Ravichandran, Professor/EEE	Power search algorithm (PSA) for combined economic-emission dispatch problems considering valve point effects in economic load dispatch	Turkish journal of Electrical Engineering & Computer Sciences	August 2017
33.		Evolving Stream Data Clustering and TCV Rank Summarization	International journal of Engineering and Techniques	Dec 2017
34.		Inclusive strategic Techno-Economic Framework to Incorporate essential aspects of web Mining	Perspective em Ciencia da Informacao	Nov 2017
35.		Applicability Evaluation of Web Mining in E-Commerce towards Business Success and a derived Cournot model	Perspective em Ciencia da Informacao	Nov 2017
36.		Hybrid Optimization Approaches to Economic Load Dispatch Problems A Comparative study	International Research Journal of Engineering and Technology (IRJET)	Dec 2017
37.	Dr.S.ALLIRANI, Asso. Professor/EEE	PICO - Hydro and Photovoltaic Co-generation System with Effective Cooling Technique	International Journal of Electronics, Electrical and Computational Systems (IJECS)	June 2017
38.	Dr.C.KATHIRVEL, Asso. Professor/EEE	Battery energy storage based renewable power generation systems-A survey	International Journal of current research (IJCR)	July 2017

39.		A novel approach using PID controlled P&O MPPT algorithm for PV system	International Journal of Electrical and Engineering	2018
40.	Mr.D.PRAKASH, AP(SL.G) /EEE	Adaptive GSA for power quality enhancement in D-STATCOM connected distribution system	International journal manufacturing technology & management	2018
41.	Mr.K.BALAMURUGAN, AP(SL.G) /EEE	A Practical Approach on Reduction of Torque Ripple in Brushless DC Motor with Common Back EMF Using Zeta Converter	Journal of Computational and Theoretical Nano science	January 2018.
42.	Dr.G.Ranjitham, AP(Sr.G) /EEE	Zeta converted brushless DC motor for power factor correction and speed control	International Journal of Advanced research in Electrical, Electronics and Instrumentation Engineering	2017
43.	Mr.V.GOPU, AP(Sr.G) /EEE Mr.G.ANURAG, AP(OG) /EEE	Effect of Inter-turn faults in modifying Line-end coil voltage waveforms pertaining to low voltage random wound induction motor	International Journal of Applied Engineering Research	2017
44.	Mr.C.Praveenkumar, AP(OG)/EEE Mr. S.Manojkumar, AP(OG)/EEE	Design and Simulation of Multi Input Converter for Hybrid Vehicle Applications	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2017
45.	Dr.S.Jayanthi, Professor/ECE	ARM Based Security System Using Linear Discriminant Analysis	ICTACT Journal On Microelectronics, October 2017, Volume: 03, Issue: 03	Oct 2017
46.		Performance Optimization of Codec in VOIP using Raspberry Pi	I.J. Engineering and Manufacturing	March 2018
47.		Remote Monitoring of Agricultural Land Using Wireless Sensor Nodes	International Journal of Advances in Computer and Electronics Engineering	Sep 2017

48.	Dr.G.MaryJansi Rani, Professor/ECE	GSM Based Auto Rationing System	International Journal of Scientific and Engineering Research	July 2017
49.	Dr.G.M.Rajathi, Asso.Prof/ECE	Vehicle parking system using IoT	International Journal of Scientific & Engineering Research	July 2017
50.	Dr.B.R.Sathishkumar, Asso.Prof/ECE	An optimal resource allocation scheme for sub carriers to ensure the high rate data communication in bio medical applications	Research Journal of Biotechnology	August 2017
51.	Dr.S.P.Vimal, Asso.Prof/ECE	Low-power, lowlatency transceiver design using d- TGMS flip- flop for on-chip interconnects	International Journal of Engineering & Technology	Jan 2018
52.	Dr.G.Dhanalakshmi, AP(Sr.G) /ECE	Gesture based assistance system for Aphasia patient	International journal of Electronics and Communication Engineering	April 18
53.	Mrs.Y.AdlineJancy, AP(Sr.G)/ECE	Smart Home Security System Based on Logical Sensing Algorithm	International Journal of Pure and Applied mathematics	May 2018
54.	Mr.A.Arun Raja, AP(Sr.G) /ECE	Power Loom Control using PIC18F420	International Journal for Scientific Research & Development	May 2018
55.	Mr.M.Kasiselvanathan, AP(Sr.G)/ECE	Car Identification and Theft Control using Raspberry-Pi and IoT	International Journal of Scientific Engineering and Science (IJSES)	June 2017
56.	Mrs.K.R.Prabha, AP(Sr.G) /ECE	An Integrated Reversible Data Hiding and Compression Using Enhanced Imperialist Competitive Algorithm Optimized Side- Match Vector Quantization and Modified FoE Inpainting	Journal of Computational and Theoretical Nano Science	December 2017
57.	Ms.S.Anusha, AP/ECE	Automatic Cane Feeding and Mill Speed Indication in Sugar Plant	International Journal of Engineering	July 2017

			Technology Science and Research	
58.		Human Supporting Robot for Elderly People	Middle-East Journal of Scientific Research	June 2017
59.	Mrs.N.BanuPriya, AP/ECE	Sensorless Water Dispenser	SSRG International Journal of Electronics and Communication Engineering	April 2018
60.	Mr.N.Deepak, AP/ECE	Certain Investigations and Comparative Analysis of Low Voltage High Speed SRAM Bit Cells for Low Power Applications	Journal of Signal Processing and Wireless Networks	December 2017
61.	Ms.S.Divya, AP/ECE	BIST Memory Design and Testing	IJSDR	April 2018
62.	Mrs.B.Vijayalakshmi, AP/ECE	Solar Street Assistance Walking Cane	Taga Journal	Feb 2018
63.		Drip Rate Monitor For Infusion Fluids	Taga Journal	March 2018
64.	Dr. M. Senthamil Selvi, Prof & Head/IT	Smart Video Surveillance: Object Detection, Tracking and Classification	International Journal of Innovations & Advancement in Computer Science	March 2018
65.		Security and Privacy Aware Biometric Recognition System Using Multimodal Biometrics	International Journal of Engineering Technology Science and Research	August 2017
66.	Dr. V. Karpagam Professor / IT	Mining Human Activity Patterns from Smart home Big Data by using Map Reduce Algorithm	Global Research and Development Journal for Engineering	April 2018
67.	Dr. M. Kalaiarasu, Asso. Prof / IT	An Improved Stock Prediction System Using Optimal Parallel Cat Swarm Optimization Approach in Online Social Media Posts for Medicine Applications(Scopus)	Research Journal of Biotechnology	August 2017

68.		ATBCWCE: Automated Two-level Variable Big Bang Big Crunch k Weighting Clustering Ensemble Framework for Multi view Temporal Data and Cancer Data(Scopus)	Research Journal of Biotechnology	August 2017
69.	Dr. J. Anitha, Asso. Prof / IT	An Improved Stock Prediction System Using Optimal Parallel Cat Swarm Optimization Approach in Online Social Media Posts for Medicine Applications(Scopus)	Research Journal of Biotechnology	August 2017
70.		ATBCWCE: Automated Two-level Variable Big Bang Big Crunch k Weighting Clustering Ensemble Framework for Multi view Temporal Data and Cancer Data(Scopus)	Research Journal of Biotechnology	August 2017
71.	Mr. V. Vignesh, AP (Sl.Gr) / IT	Multi Path Interference Aware Reliable Route Path Establishment in Mobile Adhoc Network Environment(Scopus)	Cluster Computing: The Journal of Networks, Software Tools and Applications, Springer	November 2017
72.	Mr. C. Rajmohan, AP(Sl.Gr)/IT	Tracking and Reserving the Parking Slot using Cloud	International Journal of Research in Computer Science	2017
73.	Mrs. M. Priyadharsini, AP (Sr.Gr) / IT	A Survey on Stress Detection and Spam Filtering in Social Media	International Journal of Computer & Mathematical Sciences	January 2018
74.	Mrs. J. Angel Ida Chellam, AP (Sr.Gr) / IT	Smart Video Surveillance: Object Detection, Tracking and Classification	International Journal of Innovations & Advancement in Computer Science	March 2018
75.		Video-Based Traffic Surveillance With Background Subtraction for Object Detection and	International Journal of Current Engineering and Scientific Research	2017

		Feature Extraction		
76.		Security And Privacy Aware Biometric Recognition System Using Multimodal Biometrics	International Journal of Engineering Technology Science and Research	August 2017
77.		Denoising Image using Differential Geometry Algorithm	International Journal of Innovations & Advancement in Computer Science	July 2017
78.	Mrs. I. Mettildha Mary, AP(Sr.Gr) / IT	A Survey on Stress Detection and Spam Filtering in Social Media	International Journal of Computer & Mathematical Sciences	January 2018
79.	Mrs. P.V. Kavitha, AP(Sr.Gr) / IT	Personalized Web Search based on User Profiles	International Journal of Engineering Technology Science and Research	June 2017
80.	Mrs. N. Saranya, AP (Sr.Gr) / IT	Denoising Image using Differential Geometry Algorithm	International Journal of Innovations & Advancement in Computer Science	July 2017
81.		Comparative study of diseases classification on plant leaves using evolutionary algorithms	TAGA JOURNAL	2018
82.	Mr. C. Ranjeeth Kumar AP (Sr.Gr) / IT	A Survey on Vision-Based Techniques for Traffic Monitoring using Vehicle Detection and Counting Mechanism	International Science and Technology Journal	March 2018
83.	Mr. B. Mohankumar, AP (Sr.Gr) / IT	Denoising Image using Differential Geometry Algorithm	International Journal of Innovations & Advancement in Computer Science	July 2017
84.	Mrs. S.S. Sugantha Mallika AP / IT	A Survey on Stress Detection and Spam Filtering in Social Media	International Journal of Computer & Mathematical Sciences	January 2018

85.	Mrs. A. Kayalvizhi AP / IT	Personalized Web Search based on User Profiles	International Journal of Engineering and Technology Science and Research	June 2017
86.	Ms. C. Premalatha, AP/IT	Emotion Analysis Of Whatsapp Group Chat Using Big Data Analytics	International Journal of Innovations & Advancement in Computer Science	August 2017
87.	Dr.K.Srinivasan Professor & Head/EIE	Level control of three-tank system using intelligent techniques	International Journal on Image Mining, Inderscience publishers	2017
88.		Pipelined 16X16 Vedic multiplier	International Journal of Advances in Natural and Applied Sciences	2017
89.	Dr.B.Sharmila Professor/EIE Mr.Y.Dharshan, Assistant Professor/EIE Mr.S.Vivek, Assistant Professor/EIE	Fuzzy Logic Real Time Networked Control System	Journal of Electrical Engineering	2017
90.	Dr.V.Rukkumani, Associate Professor/EIE	Fabrication of SRAM Memory Devices using Co-doped SnO ₂ Nano particles	Journal of Ovanic Research	2017
91.		Analysis of Bio signal using nano devices	International Journal of Trend in Research and Development	2017
92.	Dr.V.Radhika, AP (Sl. Gr.)/EIE	High Resolution DPWM Clustered Architecture for Digitally Controlled DC-DC Converter Using FPGA	Journal of Network, Software Tools and Applications	2017
93.	Mrs.D.Devasena, AP (Sr. Gr.)/EIE	FPGA Implementation Of Speckle Noise Removal In Real Time Medical Images	Journal of Medical Imaging and Health Informatics	October 2017
94.		FPGA Implementation of Noise Removal in Digital Images	Asian Journal of Convergence in Technology	December 2017
95.	Mr.M.Nagarajapandian, AP /EIE	Automatic Cane Feeding and Mill Speed Indication in Sugar Plant"	International Journal of Engineering	2017.

			Technology Science and Research	
96.	Mrs.R.Ramya, AP /EIE	Smart Attendance System Using Face Recognition	Advanced in natural and Applied Sciences	May 2017
97.	Mr..P.Arun Mozhi Devan, AP /EIE Mr.S.Jeevanantham, AP /EIE Mrs.T.Divya, AP /EIE	Water purification using nano Filters	International Journal of Control Theory and Applications	March 2017
98.	Dr.G.Gopu, Professor, Prof & Department/BME	An indigenous device to monitor respiration rate	Journal of chemical and pharmaceutical sciences ,volume 9,issue 4	2017
99.	Mr.J.Prasad, AP (Sr. Gr.)/BME	Adaptive FIR filter processing of vibroarthrographic signal	Global research and development journal for engineering ,volume 2&38-46	2017
100.		Wave pipelined 16x16 Vedic multiplier	Advances in natural and applied sciences	2017
101.	Mrs.L.Dhiviya Lakshmi, AP (Sr. Gr.)/BME	Audio Visual Entrainment and acupressure therapy for insomnia	Holistic Healthcare ,CRC Press & United States	2017
102.		Investigation of antimicrobial activity of medical grade hepafilter with copper deposition	International Journal of Civil Engineering and Technology	Sep 2017
103.	Mrs.R.Rajeshwari, AP (Sr. Gr.)/BME Mrs.G.Lavanya, AP (Sr. Gr.)/BME	Computational Analysis of Pulmonary Artery Stenosis	Global Research and Development Journal for Engineering, Volume 2, Issue 12	November 2017.
104.	Mrs.G.Lavanya, AP (Sr. Gr.)/BME	An innovative approach to health monitoring system and speaking medication reminder for visually challenged /elderly patient	SEEE Digi book on engineering and technology	
105.	Mrs.S.Shobha Christila, AP/BME	A wearable device for measuring hydration and body fat	International journal of advanced research, Volume 5	August 2017
106.		PC based audiometer generating audiogram to assess acoustic threshold	International journal of pure and applied mathematics	May 2018

107.	Mr.R.Surya Rajan, AP/BME	An indigenous device to monitor respiration rate	Journal of chemical & pharmaceutical sciences ,vol.9,issue 4	2017.
108.	Mr. P.Sooriya Narayanan, AP/Civil	Positive Impact of WPSA and Cement Utilization in Sandy Clay Stabilization	Journal of Advances in GeoTechnicalEngg.,	Jan 2018
109.	Mrs. N.Poonkuzhali, AP/Civil	Statistical Modelling on Stabilization of Compressible Soil in Nilgiris Region	International Journal of Innovative Science and Research Technology	January 2018
110.	Mr. Dinesh.A, AP/Civil	Stabilization of soil by using solid waste - A review	International Journal of Engineering Development and Research (IJEDR)	September 2017
111.	Mrs. R.Shanthi, AP/Civil	Flexural Behaviour of Self Compacting Concrete Beams	International Journal of Civil Engineering and Technology (IJCIET)	September 2017
112.	Mr. S. Deepak, AP/Civil Mr. C. Ramesh, AP/Civil Mr. R. Sethuraman, AP/Civil	Magnetically Levitated Building	International Journal of Research	September 2017
113.	Mr. S. Deepak, AP/Civil	An Experimental Study on Concrete by Partial Replacement of Glass Powder and Quartz Powder in Cement with SteelFiber	International Journal of ChemTech Research	July 2017
114.	Mr. B. Kamal, AP/Civil	Effect of Green Synthesis Clay Nano Composite Material on Reactive Dye of Methyl Orange	Journal of Materials & Metallurgical Engineering	June 2017
115.	T. Daniel Thangadurai Professor and Head/Nano	Graphene Quantum Dot Solid Sheets: Strong blue-light-emitting & photocurrent-producing bandgap-opened nanostructures	Nature – Scientific Reports	September 2017
116.		Fluorenone based fluorescent probe for	Spectrochimica Acta Part A: Molecular	November 2017

		selective “turn-on” detection of pyrophosphate and alanine	and Biomolecular Spectroscopy	
117.		Interfacial Chemistry-Modified QD-Coupled CdTe Solid Nanowire and Its Hybrid with Graphene Quantum Dots for Enhanced Photocurrent Properties	ChemistrySelect	December 2017
118.		In situ growth of hexagonal-shaped α -Fe ₂ O ₃ nanostructures over few layered graphene by hydrothermal method and their electrochemical performance	Journal of Materials Science: Materials in Electronics	February 2018
119.		Multispectroscopic and bioimaging approach for the interaction of rhodamine 6G capped gold nanoparticles with bovine serum albumin	Journal of Photochemistry & Photobiology, B: Biology	May 2018
120.		Rhodamine capped gold nanoparticles for the detection of Cr ³⁺ ion in living cells and water samples	Journal of Luminescence	May 2018
121.		Size controlled synthesis of SnO ₂ and its electrostatic self- assembly over reduced graphene oxide for photocatalyst and supercapacitor application	Materials Research Bulletin	May 2018
122.	Mr.S.Sathiesh Kumar AP/Nano	New heterojunction solar cells using copper oxide ingrained MWCNT: fabrication and performance analysis	Solar Energy	March 2018
123.		Effect of metal oxide charge transfer layers on the photovoltaic performance of carbon nanotube heterojunction solar cells	Materials Letters	February 2018

124.		Synthesis and characterization of SnO ₂ nanostructures for dye-sensitized solar cells	Materials Letters	March 2018
125.	Dr. R. Kesavasamy Associate Professor/Physics	Ultrasonic Studies and Compressibility behavior of Intermolecular interactions of L-Arginine in Aqueous Fructose solutions at 303, 308 and 313K National Conference On Nanomaterials, (NCN-2017)	International Journal of Advance Engineering and Research Development	December 2017
126.		Thermodynamic And Interaction Studies of L-Arginine in Aqueous Fructose Solutions at 303,308 and 313K	International journal of Current Advanced Research	November 2017

Annexure II – Sample Survey Form
Alumni Survey Form

Name of the Alumni	
Year of Graduation	
Gender	<input type="checkbox"/> Male <input type="checkbox"/> Female
Email	
Contact No.	
Current Residential Address	
What is your current affiliation or position	<input type="checkbox"/> Post Graduate student <input type="checkbox"/> Industry <input type="checkbox"/> Public sector <input type="checkbox"/> Entrepreneur <input type="checkbox"/> Others: Kindly specify _____
Please indicate your current employment/ Education details	
Name of Organization/university	
Address of Organization/university	

Designation / program enrolled & specialization	
Employed since / year of enrollment	
Please provide previous employment details (if any) (specify company name, your designation and period of employment)	
What are the different platform/technologies you have worked on? Please specify	
Indicate how you have acquired the knowledge for working on the same	<input type="checkbox"/> Self-Study <input type="checkbox"/> Instructor-led training <input type="checkbox"/> Hand-holding/Mentoring <input type="checkbox"/> if any other, please specify _____ _____
How closely related is your current affiliation (study/job) to your degree	<input type="checkbox"/> not at all <input type="checkbox"/> slightly <input type="checkbox"/> moderately <input type="checkbox"/> highly
How well did your curriculum prepare you to analyze, design and implement different projects?	<input type="checkbox"/> Exceptionally well <input type="checkbox"/> Adequately <input type="checkbox"/> Very poorly <input type="checkbox"/> Not at all

On a scale of 1 to 5, grade your degree program on each of the factors below by encircling.					
1 Poor 2 Satisfactory 3 Good 4 Very Good 5 Excellent					
Development of sufficient fundamental engineering base for handling complex engineering problems	1	2	3	4	5
Exposure to new technologies in your course	1	2	3	4	5
Career opportunity mentoring	1	2	3	4	5
Opportunities for student/faculty interaction	1	2	3	4	5
Opportunities for student involvement in campus activities	1	2	3	4	5
Grade yourself - at your current affiliation:					
How easily are you adaptable to new technologies?	1	2	3	4	5
How efficiently you are able to complete your current projects?	1	2	3	4	5
How active is your participation in teamwork?	1	2	3	4	5
How is your awareness on environmental issues?	1	2	3	4	5
How well is your Understanding of international issues?	1	2	3	4	5
Overall, how well did your College experiences prepare your life?					
1 Not at all 2 Rarely 3 Often 4 Well 5 Very Well					
Meaningful work	1	2	3	4	5
Engagement in lifelong learning	1	2	3	4	5
Service to the society	1	2	3	4	5

Suggestion to improve program and other comments, if any

Signature: