



Sri Eshwar[®] College of Engineering

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



Kondampatti (Post), Vadasithur (Via), Coimbatore - 641202
Tel: 04259 200300 • Fax: 04259 200305 • www.sece.ac.in

THE ANNUAL QUALITY ASSURANCE REPORT (AQAR)

2017 - 2018



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
(AN AUTONOMOUS INSTITUTION OF THE UNIVERSITY GRANTS COMMISSION)
P.O. BOX. NO. 1075, NAGARBHAVI, BANGALORE - 560072, INDIA



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Kondampatti (P.O), Vadasithur (Via), Kinathukadavu, Coimbatore - 641 202.

Tel : 04259 200300 Cell : 73736 17171, 97153 17171 Fax : 04259 200305

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To

22/10/2018

The Director,

National Assessment and Accreditation Council (NAAC)

P.O.Box No. 1075, Nagarbhavi,

Bangalore – 560 072.

Respected Sir,

Sub: - Submission of AQAR (Annual Quality Assurance Report) for the year 2017-18 reg.

At the outset, we would like to thank you for the support extended to our Institution during the entire process of accreditation and also for getting accredited by National Assessment and Accreditation Council (NAAC) with "A" Grade by scoring 3.27 points.

With reference to the guidelines of NAAC, the constituted Internal Quality Assurance Cell (IQAC) is function well under the chairmanship of Dr.Sudha Mohanram, Principal and the Head of IQAC Mr.Kannan Narasimhan, Director-IT for ensuring the quality sustenance and improvement. The IQAC team made significant improvement in teaching, learning, Research, Innovations and Extension activities etc. by consistently auditing the educational system in a systematic manner during the year 2017-18.

As per the direction of the NAAC guidelines, the institution has prepared the Annual Quality Assurance Report (AQAR) for the academic year 2017-18. The report along with necessary supporting documents is submitted herewith for your kind information.

Kindly acknowledge the receipt of the same.

Thanking you

PRINCIPAL

Sri Eshwar College of Engineering
Kondampatti (Po), Vadasithur (Via),
Kinathukadavu, Coimbatore - 641 202

VISION

To be recognized as a premier institution, grooming students into globally acknowledged engineering professionals.

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The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year (*for example 2013-14*)

2017-18

1. Details of the Institution

1.1 Name of the Institution

SRI ESHWAR COLLEGE OF ENGINEERING

1.2 Address Line 1

Kondampatti Post

Address Line 2

Vadasithur via, Kinathukadavu

City/Town

Coimbatore

State

TAMILNADU

Pin Code

641202

Institution e-mail address

sece@sece.ac.in

Contact Nos.

04259-200300

Name of the Head of the Institution:

Dr.SUDHA MOHANRAM

Tel. No. with STD Code:

O: 04259 – 200306
R: 0422 - 2425299

Mobile:

+91-9842211056

Name of the IQAC Co-ordinator:

Mr.Kannan Narasimhan

Mobile:

+91-9500170077

IQAC e-mail address:

kannan_narasimhan@sece.ac.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

TNSCOGN24887

OR

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

EC (SC)16/A&A/25.1

Dated: 11th July 2016

1.5 Website address:

www.sece.ac.in

Web-link of the AQAR:

http://www.sece.ac.in/pdf/SECE_NAAC_AQAR_2017_18.pdfFor ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.27	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

02/07/2015

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011))

- i. AQAR 2016-17 submitted to NAAC on 23/10/2017 (DD/MM/YYYY)
 ii. AQAR _____ (DD/MM/YYYY)
 iii. AQAR _____ (DD/MM/YYYY)
 iv. AQAR _____ (DD/MM/YYYY)

1.9 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

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu) TEI (Edu) Engineering Health Science Management

Others (Specify)

1.11 Name of the Affiliating University (*for the Colleges*)

Anna University, Chennai

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

Autonomy by State/Central Govt. / University

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

14

2.2 No. of Administrative/Technical staff

2

2.3 No. of students

3

2.4 No. of Management representatives

1

2.5 No. of Alumni

2.6 No. of any other stakeholder and
Community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders:

No.	<input type="text" value="1"/>	Faculty	<input type="text" value="13"/>
Non-Teaching Staff	<input type="text" value="2"/>	Alumni	<input type="text" value="2"/>
Students	<input type="text" value="2"/>	Others	<input type="text" value="5"/>

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

1. NBA work
2. Conducted stakeholders meeting
3. Stakeholders feedback reviewed
4. Academic review done
5. Industry institute collaboration reviewed.
6. Internal Quality Awareness program conducted

2.15 Plan of Action by IQAC/Outcome

The action planned in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

Plan of Action	Achievements
Empowering Faculty on emerging Technology by organizing training program at various Industry	25 faculty members are attended Technological empowering program at various industry during the summer of 2018.
Question paper review team to be formed	Course experts assigned, and review of the internal test question papers carried out.
Start-up Facilitation Centre to be established	Established IGNITE Start-up Accelerator to encourage and motivate students to pursue entrepreneurship.
Restructuring of the organization and fixing the responsibilities, reviewers and periodicity of review	Restructuring of the organization is done for the betterment of the Organization. Responsibilities with performance metrics, reviewers for the processes along with frequency of reviews defined.

* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

AQAR of 2017-18 is approved by the Management

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	4		4	
PG	4		4	
UG	5		5	10
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	13		13	10
Interdisciplinary				
Innovative				

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	All programmes are under semester pattern
Trimester	
Annual	

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

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

*Please provide an analysis of the feedback in the Annexure

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

As Institution is affiliated to Anna University, Chennai, the regulation or syllabi cannot be updated by us. But based on the area identified as a curriculum gap and also based on the industry requirements, Institution provides value added courses (VAC).

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

1. Advance Factory Automation Lab has been sponsored by Mitsubishi Electric India Pvt. Ltd worth of Rs. 77 Lakhs
2. Centre for Higher Education and International Affairs

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
159	132	15	12	0

2.2 No. of permanent faculty with Ph.D.

18

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
22	22	2	2	3	3	-	-	27	27

2.4 No. of Guest and Visiting faculty and Temporary faculty

17

4

0

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	2	7	0
Presented papers	4	2	3
Resource Persons	0	7	1

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

<p>Students' presentation for each course Collaborative, Interactive learning, Flipped Class Sessions Technical Debates on academic topics Group Discussions on academic topics Model based teaching Project based learning Query based learning Document Camera Online Viva</p>
--

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

180

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

Not Applicable

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

NA	NA	NA
----	----	----

NA – Not applicable, since the institution is governed by Syllabus designed by Anna University

2.10 Average percentage of attendance of students

88%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.E.- Mechanical	142	2.1	73.23	1.4	-	76.7
B.E.-CSE	128	5.46	80.46	-	-	85.9
B.E - ECE	201	7.96	66.66	7.46	-	82.08
B.E – E.E.E	58	10.34	53.45	5.17	-	68.96
B.E-Civil Engineering	68	2.94	63.24	2.94	-	69.12
First Year	522	5.4	47.5	8.9		61.8

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

- By conducting academic quality audits of teaching learning processes.
- By conducting academic Advisory council Meeting.
- By ensuring that remedial action for identified non-conformity are carried out effectively
- Defining Roles and Responsibilities with performance measures for various tasks.
- Introduction of new teaching and learning process to make the learning experience an enjoyable one for the students.

- Optimization and integration of modern methods of teaching and learning that improves the academic quality culture.
- Conducting series of pedagogy sessions to share the best practices among the teaching fraternity
- By taking feedback from the stakeholders on teaching learning process and initiating relevant corrective actions.

Strategies IQAC shall evolve mechanisms and procedures for,

- a) Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks
- b) The relevance and quality of academic and research programmes
- c) Equitable access to and affordability of academic programmes for various sections of society
- d) Optimization and integration of modern methods of teaching and learning
- e) The credibility of evaluation procedures
- f) Ensuring the adequacy, maintenance and proper allocation of support structure and services

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	-
UGC – Faculty Improvement Program	-
HRD programmes	7
Orientation programmes	29
Faculty Exchange Program	-
Staff training conducted by the university	3
Staff training conducted by other institutions	29
Summer / Winter schools, Workshops, etc.	40
Others (Faculty attended training in an Industry)	3

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	27	2	2	-
Technical Staff	30	1	1	-

Criterion – III

3. Research, Consultancy and Extension

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

- We have “My Idea Contest” box in our campus, where students and faculty are encouraged to drop their ideas. Several ideas are converted into projects/products using that.
- Mini Project Expo is conducted during the 5th semester every year from where students’ ideas are further taken up for development into major projects and productization
- Conducting timeline presentation Activity for Ph.D pursuing faculty during the month of August
- Reorganization of Faculty in Research is done by identifying separate Head-Research for every department
- Best Researcher award given for publishing maximum number of papers in reputed journal

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	5	11	6	18
Outlay in Rs. Lakhs	8	49.06	24.06	147.40

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	-	1	-
Outlay in Rs. Lakhs	0.10	-	0.10	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	23	28	-
Non-Peer Review Journals	21	0	-
e-Journals	38	0	-
Conference proceedings	5	8	-

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

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 in Lakhs	Received in Lakhs
Major projects	1-3	IEDC, MSME, SERB, DST	49.06	20.4
Minor Projects	6months	TNSCST	0.10	0.10
Interdisciplinary Projects	-	-	-	-
Industry sponsored	1	Modern Rice Mill, Rank Promoters, Dyers Association of Tiruppur, Aqua Solutions, Perundurai Textile Association, R.P.P Infra Project Limited	5.43	1.7
Projects sponsored by the University/ College	1	College	0.51	0.51
Students research projects <i>(other than compulsory by the University)</i>	1	EDII, Govt. Of Tamilnadu	10.00	-
Any other (Specify)	-	-	-	-
Total	-	-	65.1	22.71

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	1	-	-	-	-
Sponsoring agencies	IEEE	-	-	-	-

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

15

3.13 No. of collaborations

International

-

National

2

Any other

-

3.14 No. of linkages created during this year

10

3.15 Total budget for research for current year in lakhs:

From Funding agency

24.06

From Management of University/College

6.47

Total

30.53

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	-
	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
9	-	-	-	-	-	9

3.18 No. of faculty from the Institution
who are Ph. D. Guides
and students registered under them

10

17

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)

JRF

-

SRF

-

Project Fellows

1

Any other

-

3.21 No. of students Participated in NSS events:

University level	<input type="text" value="-"/>	State level	<input type="text" value="200"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.22 No. of students participated in NCC events:

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

3.24 No. of Awards won in NCC:

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" value="-"/>	College forum	<input type="text" value="-"/>
NCC	<input type="text" value="-"/>	NSS	<input type="text" value="4"/>
		Any other	<input type="text" value="6"/>

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

- SESSWA activities are carried out, a questionnaire survey is conducted in Sulur region regarding the amount of waste water from each houses going to the drainage daily, this activity was given by the Corporation of Coimbatore.
- NSS Road Rally event was conducted in the topic of “Road Safety” at Kinathukadavu with the help of Kinathukadavu Police Team on 1st February 2018.
- An awareness programme on “Water Conservation” was held at Vadasithur Village Panchayath on 17th March 2018.
- On 06th May 2018 NSS Students actively participated in cleaning the Roads pits at Kinathukadavu Railway Junction.

➤ A team of 50 Students along with NSS Programme Officer were actively participated in 6 days NSS Camp from 18th June 2018 to 23rd June 2018, at Virugalpatti Pudur, Negamam. The following Activities were conducted during the camp,

- Village Cleaning
- Plant Sampling
- Educating the Senior Citizen
- Health Camp with Karpagam Medical College
- Painting on Walls
- Awareness Campaign on Swachh Bharat

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	75667 Sqm.			75667 Sqm.
Class rooms	60			60
Laboratories	73			73
Seminar Halls	5			5
No. of important equipments purchased (≥ 1 -0 lakh) during the current year.	6	1		7
Value of the equipment purchased during the year (Rs. in Lakhs)	60	1.1		61.1
Others				

4.2 Computerization of administration and library

- Department libraries are digitalized, and Computer Systems provided to access NPTEL online courses.
- OPAC (Bibliographical details about the collection of books)
- Electronic Resource Management package for E-Journals (DELNET)
- References (GATE, GRE and TOEFL BOOK)
- Reprography (Photocopy of NON-Copy write Materials with Minimum cost)
- NPTEL (1 TB Videos content for 300 courses)

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value in Rs.	No.	Value in Rs.	No.	Value in Rs.
Text Books	17,520	10,44,160	152	75,276	17,672	11,19,436
Reference Books	2,978	75,69,306	50	24,500	3,028	75,93,806
e-Books	880	0	138	0	1,018	0
Journals	112	2,78,150	39	1,46,340	151	4,24,490
e-Journals	169	6,67,238	765	11,500	934	6,78,738
Digital Database	186	5,00,00	0	-	186	5,00,00
CD & Video	1,970	-	95	-	2,065	-
Others (specify)	-	-	-	-	-	-

4.4 Technology upgradation (overall)

	Total Computers	Computer Labs	Internet MBPS	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1262	1051	82	66*	66*	24	113	74
Added	-	-	61	-	-	-	-	-
Total	1262	1051	143	60	60	24	113	74

* Existing lab

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

NPTEL Course for faculty members and students

FDP for faculty members by industry experts

- FDP was conducted by Mitsubishi Electric India Pvt Ltd at Sri Eshwar College of Engineering for 3 Faculty members in EEE department on Robotics
- 25 faculty members were deputed to industry for two months for internship to understand industry expectations and requirements. The companies were chosen based on the domain that the faculty member teaches.

Value Added Course for students

- Java, Android
- Revit architecture, Staad.Pro, Autocad, Primavera, Total Station
- Creo – MFG, Creo-Simulation, Mathcad
- Embedded System, PCB Design
- Arduino, CCNA, LabVIEW and PCB.

Aptitude training for students

Mini project for students

4.6 Amount spent on maintenance in lakhs

i) ICT	20
ii) Campus Infrastructure and facilities	11.26
iii) Equipments	10.81
iv) Others	5.55
Total :	47.62

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

A strong IQAC team takes care of the following major activities

- Mentoring system to help at individual student level
- Self-Learning facilities for the students & faculty
- Career Guidance, Training, Placement for students
- Entrepreneurship Development Cell to promote entrepreneurship

5.2 Efforts made by the institution for tracking the progression

- Feedback analysis and corrective measures
- Feedback on Facilities
- Periodic reviews and internal quality audits

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2235	30	9	-

(b) No. of students outside the state

60

(c) No. of international students

-

Men	No	%	Women	No	%
	1464	64.64		801	35.36

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
160	96	2	2076	0	2334	146	84	0	2005	0	2235

Demand ratio 17.

Dropout % 0.007

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

The centre for higher studies provides support to students willing to pursue higher studies. This Centre provides systematic and methodical guidance on various competitive exams that would help students pursue higher education after their engineering graduation. The objective of the centre is to provide students with details of overseas universities, the processes involved for getting enrolled in such institutions. The training required to pursue higher studies viz., GRE, TOEFL, IELTS, GATE, CAT, GMAT are organized by the institution for the benefit of the students. The Centre for Higher Studies is headed by the Placement Director and day to day activities are carried out by a full-time professor with PhD qualification.

The Management is sponsoring for those trainings 50% to the students.

No. of student beneficiaries

189

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	-	CAT	-
IAS/IPS etc	-	State PSC	-	UPSC	-	Others	1

5.6 Details of student counselling and career guidance

SECE ascertains the career plans of the students in a very formal manner at the time of joining the institution. The various cells are functioning in the Institute according to their career options as:

- Industry Institute Interaction Cell
- Placement and Training cell
- Higher Education cell
- Entrepreneurship Development Cell

Parents of non-performing students in Internal Test were called for Parents Meeting to discuss about their wards to improve their result.

No. of students benefitted

716

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
71	451	441	31

5.8 Details of gender sensitization programmes

Many programmes benefiting the girl students and women faculty were conducted through Women's Cell. Women's Day was celebrated on March 8th 2018 and various events like Rangoli, Mehandhi, Cooking without fire, Solo non classical dance, Group Dance etc. were conducted for the girls students and women faculty.

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 in Rs.
Financial support from institution	617	3,55,86,100
Financial support from government	749	1,76,40,000
Financial support from other sources	Nil	Nil
Number of students who received International/ National recognitions	11	25,03,000

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: NIL. There are no grievances that relate to violation of laid down policies and procedures. Routine complaints about infrastructure etc. are recorded as complaints and resolved within stipulated timelines.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: To be recognized as a premier institution, grooming students into globally acknowledged engineering professionals.

Mission:

We will achieve the mission by,

- Providing outcome and value-based engineering education
- Nurturing research and entrepreneurial culture
- Enabling students to be industry ready and fulfill their career aspirations
- Grooming students through behavioral and leadership training programs
- Making students socially responsible

6.2 Does the Institution has a management Information System

Yes, the Institution has a Management Information System. A comprehensive institutional ERP system covering the following activities has been implemented and in use for over the past 5 years.

- Accounts and Financial Activities
- Store and material requisition
- Students Management System (Academic Performance, Attendance, Counselling etc.)
- Staff attendance biometric
- Library Information System
- Reformation System
- SMS Facilities
- Daily Absent Report (students)
- Student records
- Evaluation and Examination procedures
- Others : E – Learning Module – this provides an excellent suite of tools for the teaching-learning process, including the provision to set up question banks, conduct online exams, share teaching materials & resources, host discussion forums, conduct surveys & polls, generate course-related performance-reports, etc.

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

6.3.1 Curriculum Development

The following points were implemented by the Institution for Curriculum Development for course set-up and teaching methodology. Academic Advisory Council for each department with senior industry experts as members have been constituted. These councils meet at the commencement of the academic year, deliberate on the curriculum and suggest additional topics as required by the industry.

- ❖ Curriculum gap identification
- ❖ Goals and objectives on chosen subjects or area were defined.
- ❖ Educational Strategies on chosen subjects like value added courses.
- ❖ Implementation of value-added course
 - ✓ Introduction of curriculum
 - ✓ Administration of curriculum
 - ✓ Refinement of curriculum
- ❖ Evaluation and feedback system
 - ✓ Individual evaluation
 - ✓ Program evaluation
 - ✓ Finding of outcome
- ❖ Departments introduced new electives in emerging areas on a regular basis as per current and projected needs.
- ❖ Courses comprise Lectures/Tutorials/Labs.
- ❖ Seminars/Group Discussions/Presentations are highly encouraged
- ❖ Enrichment courses to support regular academic courses (alumni, employers, etc.).
- ❖ Some highly innovative enhancements:
 - ✓ **Targeting High level competitions:** Students are allowed to identify high priority problems, and develop technological or other solutions for the same, under guidance of department faculty.
 - ✓ **Project-based learning:** One or two courses in each engineering discipline is conducted in project mode, where students learn the concepts by implementing them as mini projects.

6.3.2 Teaching and Learning

The Institution's Teaching, Learning and Assessment strategies are continually reviewed, ideas for improvement identified, and implemented. Some of these include:

- Implementation of outcome-based education.
- Implementation of innovative teaching methods to make learning enjoyable for the students
- Academic Research
- Guest Lecturers
- Field trips and lab lectures
- Mentoring
- Tutorial teaching

Apart from this the following are the measures adopted by the Institution for betterment of Teaching and Learning process.

- Problem based learning, Pre-placement training, Interactive learning, collaborative learning, & Flipped class session
- Increased institute-industry interactions
- Motivation towards Research for staff and students
- Assistance to students to get admission for Higher Education.
- Encouraging students to do mini projects in the concerned subjects
- Expert lectures/NPTEL lectures to create wide exposure to students
- Conducting Skill Development training programs
- Video lessons, PPTs , E-lessons, Lab Experiments on theoretical concepts
- Periodical evaluation of results and counselling the students as well as faculty
- Detailed course plan in line with the prescribed syllabus for every theory course and a separate lab cycle for lab courses ensures smooth conduct of classes.
- Periodic Class Committee meetings: HoD, Faculty Advisor, course teachers and two student representatives of the class meet to ensure transparency in curriculum delivery and evaluation pattern.
- Objective assessment of teachers through student feedback administered in the middle of the semester helps in improved content delivery
 - ✓ Workshops by Alumni on Current Trends/Technology
 - ✓ Offering Value Added Programme during semester breaks

- NPTEL programme has been provided to the Faculty members. The Central Library has a large number of books and magazines along with e-library facility.
- National Digital Library is established in association with IIT-Kharagpur

6.3.3 Examination and Evaluation

All the Semester Examinations are conducted under the supervision of the Controller of Examinations, Anna University, Chennai. The centralized paper evaluation is undertaken, and the results are declared by Anna University.

Some of the features include:

- Central valuation has been introduced to have consistency in the evaluation by faculty
- All faculty members provide two sets of question papers for all the internal tests at the beginning of the semester and the examination cell selects one set of question paper from this on a random basis to enforce a fair practice.
- The two sets of question papers submitted by the faculty is scrutinized by the Scrutinizing Committee before it is submitted to the examination cell.
- Monitoring the performance of the students by means of Internal Exams, End Semester Exams, and Continuous Evaluation
- Communication of evaluation methods to the students by faculty at the beginning of each Semester
- We have appointed two to three of our faculty members from each department as an exam coordinator to regulate our Examination process better.
- Detailed key for spot valuation is being prepared by internal faculty members
- The evaluation of final year project (for both UG and PG students) is carried out in a transparent fashion with the student progress, marks allotted, and any issues being documented in the Project review sheet after each periodic review.
- The Project review sheet is made available to the student immediately after the review so that he/she can go through it and see the marks obtained as well as the comments of the reviewers
- Combining the Internal level marks and Semester level marks final Grade is awarded to the student by the Anna University.
- Declaration of Results and conducting supplementary / arrear examination for failed students is done by Anna University.

- Communication of the evaluation outcome to students and parents through SMS
- Communication of exam schedule to students and parents through SMS

6.3.4 Research and Development

- The objective of the Research is to create a positive atmosphere for faculty and students to carry out research related activities.
- Head – Research is appointed in all the departments to work more closely on research.
- The Faculties and Students are encouraged to present and publish papers in Seminars, Conferences and Journals. All the Departments also take different Research Projects from time to time. These projects are reviewed by experts from the industry to get an unbiased feedback.
- Consultancy projects are undertaken in all departments.
- Innovation and Entrepreneurship Development Cell (IEDC) is created to identify and nurture the significant Innovative ideas and projects that can be developed and scaled to the next level of operation.
- Student Research Projects are included in the curriculum as partial fulfillment of the courses.
- Recognizing Inspirational thinking of the students by awarding Best Student Projects every year.
- The college Library has subscribed National/International e-journals in various subjects and ICT facility which can be accessed free by all the faculty members to update their knowledge.
- Faculty members are motivated by the Deans/HODs and the Principal to submit research proposals to various funding agencies like AICTE/CSIR/TNSCST/DST etc.
- The college has also received seminar grant for organizing seminars/workshops for the benefit of faculty members and research scholars.

6.3.5 Library, ICT and physical infrastructure / instrumentation

The Institution has provided an excellent infrastructure with conducive physical ambience for the Faculty and Students in terms of adequate library, research laboratories, ICT, Computing facilities and allied services.

Library

Our central library contains a large volume of books, journals, e-books, and e-journals. The students are provided with a library period in their weekly time table to refer to required books and materials and thereby enhance their knowledge. Apart from this, the library is kept open from 7.00 A.M. to 8.00 P.M. Staff members and students use the library after their class hours. Every year Central library is added with new books and journals.

The ICT facilities deployed in the library include the following:

- OPAC (Online Public Access Catalog)
- Electronic Resource Management Package for e-journals
- In-house remote access to e-publications
- Library Automation Software.
- Digital library comprising of Systems and CDs on various topics

ICT Infrastructure

LCD projectors, HP, Dell Desktops, HP printers, Internet switches, 20 KVS UPS, 10 KVA UPS , Power Generator (250 KVA) , application software and systems software etc. are provided to support computing activities. Departments have individual LCD projector, system with internet connection. Classrooms, Seminar Halls and Conference Rooms are equipped with Computers, LCD Projectors and screens.

- Round the clock internet connectivity with 143 mbps (leased line) is available for staff and students.
- Wi-Fi connectivity to the staff members & students.

Sports & Cultural facilities

- Health and fitness classes started for First Semester Students (New initiative)
- Professional trainers were inducted to provide training to the teams participating in major events/ competitions
- Separate Basket ball court and Volley court are available
- New Musical instruments for Cultural Forum
- Upgraded gym facilities

6.3.6 Human Resource Management

- Being an Educational Institution, Faculty is the main Human Resource.
- The management provides adequate manpower to support the teaching and learning process.
- Induction training is conducted for new faculty members to update them with the institutional policies and procedures
- Quality enhancement measures like deputing to Faculty for relevant programs to enhance their competency and skills etc., are undertaken.
- Organizing Industrial/Developmental Training Programme and Workshops/Seminars for enhancing the multi-skills of Faculties.
- In addition, training is provided every week to all the members of faculty on pedagogy.
- Annual assessment of faculty is done through Faculty Self-Appraisal Proforma (SAP) for all faculty members.

HRM encompasses

- ❖ Payroll
- ❖ Time and Attendance
- ❖ Performance record

6.3.7 Faculty and Staff recruitment

The Institution recruits Faculty members based on the guidelines provided by the AICTE and Anna University. Adequate number of qualified Teaching and Supporting Staff are appointed through open advertisement. The steps are as follows,

- Releasing the advertisement in the Leading daily newspapers.
- Scrutinizing of Applications as per the college norms.
- Conducting Interview in the presence of External Experts and University Nominees.
- Selections of Candidates as per the norms of Staff Selection Committee.

The recruited Faculty members are deputed to undergo Faculty Development Program to enhance their pedagogical skills. The Faculty members are motivated to attend Orientation, Research Workshops for their Professional Development and Skill Development.

6.3.8 Industry Interaction / Collaboration

- Interaction with the Industry is done by conducting Academic Advisory Council meeting with the experts from various industries and suggestions are recorded for enhancing the knowledge of students to meet the industrial standard.
- The Departments and Placement Cell of the college facilitates exposure of Industrial atmosphere to students and subsequent help in placement of young graduating Engineers in Industries across the Country.
- Collaboration with industry is done by implementing Industry Powered Labs (IPL) where the students can use the current technology to enhance their knowledge in specific domain in terms of projects, etc.
- The collaboration is focused on Industrial Training, Curriculum Development, Joint projects, Internship, Technical workshops, Faculty development programmes, Industrial visits, Working model contests, Career Guidance, Expert lectures etc. These activities are aimed to bridge the gap between industry and Academia.

The collaboration focuses on achieving the following functions:

- To build and maintain excellent rapport with the Top Management of various Organizations and Industries and forge collaborative Industry-Academia alliances.
- Initiating Memoranda of Understanding with major companies, research agencies and institutions to fetch funded projects and bring about improvement in infrastructure and teaching methodologies to enhance exposure of students and faculty to industry practices and developments in technology.
- Facilitating visits by senior industry leaders for interaction with faculty and students.
- Securing sponsorships from industry for technical events like conferences, seminars, symposia, workshops and student contests through strategic relationships.
- Seeking the help of companies to spare working products / prototypes for academic demonstration purposes.
- Facilitating in-plant training, industry visits, summer and final semester internship for students across all disciplines and campuses.
- Soliciting support from highly reputed companies each year for the Corporate Action Plan with respect to engineering, management and other disciplines.

6.3.9 Admission of Students

- The admissions of the students are strictly followed as per rules and regulation of the Government of Tamil Nadu and AICTE norms.
- Admissions are done through regular counseling for management quota.
- To ensure publicity and transparency in the admission process, a separate Admissions Department exists, and they advertise in local & National dailies, and in our Website

6.4 Welfare schemes for

Teaching	<ul style="list-style-type: none"> • 50% concession for faculty members commuting by college bus • Medical and Maternity Leave • EPF • Premium paid to Group Insurance Scheme • Free Lunch for faculty members
Non-teaching	<ul style="list-style-type: none"> • 50% concession for faculty members commuting by college bus • Medical and Maternity Leave • EPF • Premium paid to Group Insurance Scheme • Free Lunch for faculty members
Students	<ul style="list-style-type: none"> • Offering scholarships by the College Management to poor & meritorious students to encourage them and to reduce their financial burden. • Students Group Personal Accident Insurance • Dispensary in college campus to look after the medical needs. • Corporation Bank extension counter inside the campus that functions every Tuesday for easy bank transactions

6.5 Total corpus fund generated

-

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	Being planned during 2018-19	By professors from other leading institutions	Yes	Internal Audit Team
Administrative	Yes	By AICTE and Anna University	Yes	Management

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?

Our College is affiliated to Anna University, Chennai. Examination reforms are initiated by Anna University.

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

The following mechanisms provide for autonomy of the institutions

- The Governing body for individual college comprising of representatives from University decides the strategic plan and requirements of the institution.
- Institutions are empowered to recommend to the University, syllabus/curriculum changes or changes to the evaluation/assessment methods.
- The Deans/HODs of the institution are members of the Academic Council (AC), the highest decision-making body where they can raise their concerns.
- To facilitate new courses of study, subject to the required minimum number of hours of instruction, content and standards
- To provide an opportunity to conduct internal examination more innovatively
- To provide academic flexibility to the Institution.
- Students are permitted to credit one online course of 3 credits.
- Provision for withdrawal from end semester examination for students.
- Provision for Authored break of study for students.

6.11 Activities and support from the Alumni Association

The college has its Alumni Association to strengthen stakeholder relationship. The association actively participates in decision making and concentrates on college development.

The Alumni Association contributes through various services to the institution in general and to the students opting for higher studies and getting employment in particular.

Involvements of Alumni are as follows,

- Involvement in curriculum development
- Conducting seminars for the students
- Conducting interactive sessions for students and providing opportunities for students in worldwide universities
- Support for projects
- Feedback from the Alumni is being continuously received for academic development and career opportunities for students
- Recommendations for curriculum modifications based on industry requirement
- Facilitating internships for students in their respective companies
- Alumni entrepreneurs motivate students by sharing their entrepreneurial success stories
- Acting as a Jury for mini project Expo
- Acting as a Visiting faculty
- Acting as Resource Person for conducting mock placement programs
- Annual Alumni Meet was conducted at the campus on 13th August 2017 and was attended by 200 alumni members.

6.12 Activities and support from the Parent – Teacher Association

- Feedback from parents are collected during every mid of the semester through Parent-Teachers Meeting
- There is constant interaction between Class Advisors and Parents regarding the performance of their son/daughter.
- When there is a disciplinary issue or poor performance in the internal examinations, the parents are contacted over the phone / letter / in person as required. Students are counselled with parents. Any support the student requires from his family is also discussed.
- Interactions between the parents and the teachers regarding the support & progression of their respective wards in academic & personal aspects.
- Parents who are working in core sector support the co-curricular activities through guest lectures and advise the department on matters pertaining to curriculum and career opportunities.

6.13 Development programmes for support staff

- Assembly and dismantling of pumps
- Course on Creo design, Manufacturing, MATHCAD, SIMULATION
- Non-teaching staff members are encouraged to continue higher studies.

6.14 Initiatives taken by the institution to make the campus eco-friendly (please substantiate with data wherever possible – solar energy generation, no. of trees etc.)

Institution itself has taken stringent measures for the conservation of nature and natural resources. The measures are as follows:

- ❖ Water and Energy auditing
- ❖ Planting trees in the campus
- ❖ Separate bins are kept in the campus to collect and segregate bio-degradable and non-degradable.
- ❖ Phasing out of incandescent lamps and partial phasing out tube-lights in favor of LEDs.
- ❖ Minimizing the use of air conditioners through management controls

Use of Renewable Energy

- ❖ Solar water heater is available in the college campus hostel.
- ❖ Solar street lights have been fitted in the campus
- ❖ Entrepreneur program / internal workshops are conducted periodically on Solar Energy Conservation for general awareness on solar energy conservation and sustainability.

Energy conservation

- ❖ Regular Awareness campaigns
- ❖ Planned power shutdowns in hostels during periods of low occupancy.

Water Harvesting

- ❖ To save the water resources and to raise the water table, the rain water is let into the underground pits built in the campus at various points.
- ❖ Waste water treatment plants have been installed to use recycled water for watering plants and trees.

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.

- Website for monitoring projects
- Student Presentation on Content beyond syllabus
- Two months summer internship for faculty members
- Value added courses to the students
- Best outgoing Student award
- Best Mentor award
- Best Project award

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

Ref. Management Review Minutes attached as annexure

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

1. **Title of the Practice – Faculty Summer Internship with Industry.**
2. **Title of the Practice – Providing Readily Deployable Engineering Students to the Industry.**

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

- LED lighting systems have been provided in maximum area
- Clean Landscaping is maintained

7.5 Whether environmental audit was conducted?

Yes

No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

SWOC ANALYSIS

Following are the key findings of the SWOC analysis done at the institution level on the Strengths, Weakness, Opportunities and Challenges:

STRENGTHS

- Institution is sought after by students with higher cut off in the region and enjoys the confidence of parents and students and recruiting companies
- Received "Best University / Professional Institute for Skill development" from Ministry of Skill Development and Entrepreneurship, Government of India on 9th Aug 2017.

Academics

- More than 85% of the students graduate every year
- Curriculum enrichment is done with input obtained from members of Academic Advisory Council
- Anna University rank holders
2017 Batch – 14 Students

Faculty Members

- Well qualified faculty members are engaged.
- The faculty retention is excellent, and the faculty are given full academic freedom.
- Students are provided with effective tutor ward system to counsel the students
- Clear definition of responsibilities and authorities are defined and available and facilitate a transparent management

Research

- Has an Anna University approved research centre for Computer Science and Engineering (CSE) , Electronics and Communication Engineering (ECE) and Electrical & Electronics Engineering (EEE)
- 25% of the faculty members are pursuing PhD degree
- **110 research** papers have been published in international journals
- International Journal of Advanced Computing and Communication Systems (IJACCS) is published by the institution

Industry Institute Interaction

- A well-established cell lead by senior industry experts
- About Rs.1 crore spent every year for industry institute interaction initiatives
- Flagship Event Sri Eshwar Industry Connect organized for interaction with industry leaders
- SYSNAUTIX have setup their extended development centre in the college and totally we have 4 extended development centre

Student Centric

- Start Ups centre established for students to become an Entrepreneur.
- About Rs.2.0 crore worth of scholarship is granted every year to encourage deserving students
- Students are provided with holistic engineering education including personality development, placement training, communication skills etc. by qualified in-house training team
- Excellent placement record every year. 95% of students are placed every year by 69+ on campus placements. 30+ companies on campus offering above Rs.3.00 Lakhs per annum.
- Sri Eshwar Incubation Centre has successfully groomed 6 student entrepreneurs with technical, financial and marketing support.
- Strong presence of an alumni base – alumni sponsor events and share their wisdom with current students
- Update to Parents on the academic performance of students through the ERP tool

Infrastructure

- The institution has 143 Mbps internet connectivity and a wi-fi enabled campus
- All class rooms are smart class rooms with LCD Projectors, Computers and Internet Connectivity
- State of the art IT Centre with technology labs, training auditorium, discussion area, knowledge centre, business zone with two companies functioning from within
- Well furnished hostels separately for boys and girls with modern facilities. Hostel and mess is directly managed by the management
- World Class Amenity Centre comprising of Food Court, Super Market, Gymnasium, Separate Parlour for boys and girls run by Naturals, Music Studio and Indoor Games.

Governance

- Well structured governance by forward looking management, Promoter Principal, Dynamic Leadership team comprising of Deans, Directors and Empowered HODs

Accreditation

- The institution is in the process of getting accredited by NBA

WEAKNESSES

- Faculty with industry experience are less in number
- With 50% of the students from rural background, communicating in English sometimes becomes a challenge
- Institution is affiliated to Anna University and has constrains in curriculum enrichment

- Consultancy and extension activities require improvement
- With most students preferring placement, limitations in persuading students to do higher studies or entrepreneurship
- Collaboration with foreign universities

OPPORTUNITIES

- Located in the industrial district of Coimbatore which houses lot of core and IT companies
- Immense potential in the areas of Cloud Computing & Data Sciences to be tapped
- Industry expectations keep increasing which provides an opportunity to mould the students
- Opportunities to invite more companies to establish their centres in SECE campus

CHALLENGES

- Changing social and economic scenario, leading to unpredictable future
- Coping up with rapidly increasing expectations of the industry to get students become employable
- Placements in core engineering companies

8. Plans of institution for next year

- Permanent Affiliation
- Autonomous Status
- Establish a start-up accelerator and have a minimum of 5 student start-ups functioning from there.
- Signing of MOU with two more companies for establishing COE
- Establish Centre for International Affairs to explore collaboration with overseas universities

Name **Mr.KANNAN NARASIMHAN**

Signature of the Coordinator, IQAC

Name **Dr.SUDHA MOHANRAM**

Signature of the Chairperson, IQAC

ANNEXURE – I
ACADEMIC CALENDER – ODD SEMESTER – 2017-18

SRI ESHWAR COLLEGE OF ENGINEERING						
ACADEMIC CALENDER FOR BE ODD SEMESTER(II,III,IV Years) OF THE YEAR 2017-2018 Ver 2.0 Revised on 25.07.2017						
Day	Date	June	Date	July	Date	August
SUN						
MON						
TUE					1	
WED					2	Final Year Phase-I Project-Zeroth review
THU	1				3	
FRI	2				4	Class Rep Meeting-I with Principal
SAT	3	Saturday Holiday	1	First Saturday Holiday	5	
SUN	4	Sunday Holiday	2	Sunday Holiday	6	Sunday Holiday
MON	5		3	Commencement of Classes for II/III/IV Yrs	7	
TUE	6		4		8	
WED	7		5		9	
THU	8		6		10	
FRI	9		7		11	
SAT	10	Saturday Holiday	8		12	Graduation Day/Saturday Holiday
SUN	11	Sunday Holiday	9	Sunday Holiday	13	Sunday Holiday / Alumni Day
MON	12	Common Vacation Period	10		14	Internal Test-I Sri Jayanthi Holiday
TUE	13		11		15	Independence Day Holiday
WED	14		12	HOD's Meeting-Academic Performance	16	HOD's Meeting-Academic Performance
THU	15		13	New Faculty Assessment by HoD and submission of report to Principal	17	
FRI	16		14		18	Mini Project Review-I
SAT	17	Saturday Holiday	15	Third Saturday Holiday	19	Final Year Phase-I Project- First review
SUN	18	Sunday Holiday	16	Sunday Holiday	20	Sunday Holiday

MON	19	Orientation Program for New Faculty Members	17	Class Committee Meeting-I-IV yrs	21	Sub.of Int-I result
TUE	20	Orientation Program for New Faculty Members	18	Class Committee Meeting-I-III yrs	22	Sub.of Mini Proj. Review-I report to Principal
WED	21		19	Class Committee Meeting-I-II yrs	23	IAAT Audit-I
THU	22	Sub.of Course file by faculty to HOD for verification	20		24	Prize Distribution for Int-I
FRI	23		21		25	Vinayagar Chathurthi Holiday
SAT	24		22		26	Saturday Holiday
SUN	25	Sunday Holiday	23	Sunday Holiday	27	Sunday Holiday
MON	26	Ramzan Holiday	24	Feedback-I- IV yrs	28	
TUE	27		25	Feedback-I- III yrs	29	
WED	28	HOD's Meeting- Academic Performance	26	Feedback-I- II yrs Department Monthly Meeting-I	30	Department Monthly Meeting-II
THU	29		27		31	
FRI	30		28	Sub.of CCM-I Minutes and FB-I report to Principal		
SAT			29			
SUN			30	Sunday Holiday		
MON			31			
<p>Visiting Faculty: 31 % of dept faculty strength -Industrial Visit: 11/ Year (if local IV: 2/ Day) - Internship-15 Companies/ Year- Guest Lectures: 16/ Year 1st & 3rd Saturdays will be holidays. However if we are working on those Saturdays it will be compensated- Form no. AC 01: Rev 00: Rev dt. 15-06-11</p>						

SRI ESHWAR COLLEGE OF ENGINEERING									
ACADEMIC CALENDER FOR BE ODD SEMESTER(II,III,IV Years) OF THE YEAR 2017-2018 ver 2.0 Revised on 25.07.2017									
Day	Date	September	Date	October	Date	November	Date	December	
SUN		Sunday Holiday	1	Sunday / Muharram Holiday					
MON			2	Gandhi Jayanthi Holiday					
TUE			3						
WED			4	Unit Test	1				
THU			5		2				
FRI	1		6		3		1	Milad-Un-Nabi Holiday	
SAT	2	First Saturday /Bakrid Holiday	7	Mini Project Review-III	4	First Saturday Holiday	2	First Saturday Holiday	
SUN	3	Sunday Holiday	8	Sunday Holiday	5	Sunday Holiday	3	Sunday Holiday	
MON	4		9		6		4		
TUE	5	Teachers Day	10	Internal Test-III	7		5		
WED	6		11		Mini Project Review -III to Principal	8		6	
THU	7		12			9		7	
FRI	8	Mini Project Review-II	13	Internal Test-III	10		8		
SAT	9	Saturday Holiday	14	Sub.of Unit Test result analysis to Principal	11		9		
SUN	10	Sunday Holiday	15	Sunday Holiday	12	Sunday Holiday	10	Sunday Holiday	
MON	11	Feedack-II-IV	16	Holiday	13		11		
TUE	12	Feedack-III	17	Holiday	14		12		
WED	13	Feedack-II	18	Deepavali Holiday	15		13		
THU	14	Meeting Performance	19	Holiday	16		14		
FRI	15	Engin IEEE Conference	20		17		15		

SAT	16	IEEE-Students Conference	21	IAAT-Audit-III	18	Third Saturday Holiday	16	Third Saturday Holiday
SUN	17	Sunday Holiday	22	Sunday Holiday	19	Sunday Holiday	17	Sunday Holiday
MON	18		23		20		18	
TUE	19	Class Committee Meeting-II- IV Yrs	24	Univ. Practical Exam	21		19	
WED	20	Class Committee Meeting-II- III Yrs	25	Practical Exam	22		20	
THU	21	Class Committee Meeting-II- II Yrs Sub.of Mini Proj Review-II report to Principal	26	Department Meeting-IV	23		21	
FRI	22	IV Yr	27		24		22	
SAT	23	IAAT Audit-II	28	Last Working Day/SPARK 2017	25		23	
SUN	24	Sunday Holiday	29	Sunday Holiday	26	Sunday Holiday	24	Sunday Holiday
MON	25	Sub-Report to Principal	30	Commencement of Univ. Theory Exams	27		25	Christmas Holiday
TUE	26	Retest-II Minutes to Principal	31		28		26	
WED	27	Department Monthly Meeting-III Sub.of Int-II result analysis to Principal			29		27	
THU	28	Prize Distribution for Int-II Class Rep Meeting-II with Principal			30		28	
FRI	29	Ayutha Pooja Holiday					29	
SAT	30	Vijaya Dasami Holiday					30	
SUN							31	Sunday Holiday
SAT								
<p>Training to industry: 75 % of faculty strength - Refresher Course to industry executives: 75 % of faculty strength - Faculty trained by industry: 2 week/year- Consultancy: 51 % of faculty strength 1st & 3rd Saturdays will be holidays. However if we are working on those Saturdays it will be compensated Form no. AC 01: Rev 00: Rev dt. 15-06-11</p>								

ANNEXURE – II
ACADEMIC CALENDER FOR EVEN SEMESTER 2017-18

SRI ESHWAR COLLEGE OF ENGINEERING ACADEMIC CALENDER FOR BE EVEN SEMESTER(II,III,IV Years) OF THE YEAR 2017-2018 Ver 2.0 dated 19.12.2017						
Day	Date	December	Date	January	Date	February
SUN						
MON			1	New Year Holiday		
TUE			2	Holiday		
WED			3	Class Committee Meeting-I-IV yrs		
THU			4	Class Committee Meeting-I-III yrs	1	Final Year Phase-II Project-Review
FRI	1	Milk	5	Class Committee Meeting-I-II yrs	2	Project Review-II
SAT	2	Sunday Holiday	6		3	
SUN	3	Sunday Holiday	7	Sunday Holiday	4	Sunday Holiday
MON	4		8	Feedback-I- IV yrs	5	
TUE	5		9	Feedback-I- III yrs	6	
WED	6		10	Feedback-I- II yrs	7	Sub.of Mini Proj. Review-II report to Principal
THU	7		11	Sub.of CCM-I Minutes and FB-I report to Principal	8	
FRI	8		12	Final Year Project Phase-II Zeroth Review	9	
SAT	9		13	Bogi Festival Holiday	10	
SUN	10	Sunday Holiday	14	Sunday / Pongal Holiday	11	Sunday Holiday
MON	11		15	Thiruvalluvar Day Holiday	12	
TUE	12	Sub.of Course file by faculty to HOD for verification	16	Uzhavar Thirunal Holiday	13	Sub. of Int Test-I Result analysis to Principal
WED	13		17	HOD's Meeting- Academic Performance	14	HOD's Meeting- Academic Performance
THU	14		18		15	

FRI	15		19	Class Rep Meeting-I with Principal	16	IAAT Audit-I Prize Distribution for Int-I
SAT	16		20	Mini Project Review-I	17	Third Saturday Holiday
SUN	17	Sunday Holiday	21	Sunday Holiday	18	Sunday Holiday
MON	18	Commencemnt of Even Sem Classes	22		19	
TUE	19		23		20	
WED	20	Half Yearly Budget Meeting	24	Sub.of Mini Proj. Review-I report to Principal	21	IAAT Audit-I
THU	21		25	Department Monthly Meeting-I	22	
FRI	22		26	Republic Day Holiday	23	Mini Project Review-III
SAT	23		27	Saturday Holiday	24	Sports Day / Talents Day
SUN	24	Sunday Holiday	28	Sunday Holiday	25	Sunday Holiday
MON	25	Christmas Holiday	29		26	
TUE	26		30		27	Final Year Phase -II Project-Second Review
WED	27		31		28	Department Monthly Meeting-II
THU	28					
FRI	29	New Faculty Assessment by HoD and submission of report to Principal				
SAT	30	Saturday Holiday				
SUN	31	Sunday Holiday				
1st & 3rd Saturdays will be holidays. However if it is a working day it will be compensated- Form no. AC 01: Rev 00: Rev dt. 15-06-11						

SRI ESHWAR COLLEGE OF ENGINEERING ACADEMIC CALENDER FOR BE EVEN SEMESTER(II,III,IV Years) OF THE YEAR 2017-2018 Ver 2.0 dated 19.12.2017						
Day	Date	March	Date	April	Date	May
SUN		Sunday Holiday	1	Sunday / Easter Holiday		
MON			2	Unit Test		
TUE			3		1	May Day Holiday
WED			4		2	
THU	1	Special Time Table	5	Unit Test result analysis to Principal	3	
FRI	2	Special Time Table	6		4	
SAT	3	First Saturday Holiday	7	First Saturday Holiday	5	First Saturday Holiday
SUN	4	Sunday Holiday	8	Sunday Holiday	6	Sunday Holiday
MON	5	Feedack-II-IV Years	9		7	
TUE	6	Feedack-II III Years	10	Last Working Day Proze Distribution for Unit Test	8	
WED	7	Feedack-II II Years	11	Sub.of Int Test-III Result analysis to Principal IAAT-Audit-III	9	
THU	8	Womens Day	12	Commencement of University Practical Exam	10	
FRI	9		13		11	
SAT	10	Innovative Project Exhibition Day	14	Tamil New Year Day Holiday	12	
SUN	11	Sunday Holiday	15	Sunday Holiday	13	Sunday Holiday
MON	12	Class Committ	16		14	
TUE	13	Committee Meeting- II- III Yrs	17		15	
WED	14	HOD's Meeting- emic Performance Sub.of Int-II Result lysis to Principal	18		16	
THU	15	Class Committee Meeting-II- II Yrs	19		17	
FRI	16	IAAT Audit-II Prize Distribution for Int-II	20		18	

SAT	17	Annual Day	21	Third Saturday Holiday	19	Third Saturday Holiday
SUN	18	Sunday/ Telugu New Year Holiday	22	Sunday Holiday	20	Sunday Holiday
MON	19		23	Commencement of University Theory Exam	21	
TUE	20	Sub.of CCM-II Minutes and FB-II Report to Principal	24		22	
WED	21		25		23	
THU	22	IV Yr Phase-I Project- Final review	26		24	
FRI	23	Class Rep Meeting-II with Principal	27		25	
SAT	24	Placement Award Day	28		26	
SUN	25	Sunday Holiday	29	Sunday Holiday	27	Sunday Holiday
MON	26	Unit Test	30		28	
TUE	27		al Budget Meeting		29	
WED	28	artment Monthly Meeting-III			30	
THU	29	Mahavir Jayanthi Holiday			31	
FRI	30	Good Friday Holiday				
SAT	31	Saturday Holiday				
SUN						
1st & 3rd Saturdays will be holidays. However if it is a working day it will be compensated - Form no. AC 01: Rev 00: Rev dt. 15-06-11						


ANNEXURE – III

FEEDBACK FROM STUDENTS ON THEORY AND LABORATORY 2017-18 (ODD SEMESTER)

SRI ESHWAR COLLEGE OF ENGINEERING, COIMBATORE
DEPARTMENT OF ECE
SUMMARY SHEET FOR ON FACULTY FEEDBACK ANALYSIS
ACADEMIC YEAR 2017-2018(ODD SEM)

S.No.	Name of the Faculty	Name of the Subject	Feedback -I	Feedback -II
ODD SEMESTER				
1	Ms.A.Revathy	Transforms and Partial Differential Equations	95.38	96.09
2	Ms.K.Sivaranjani	Transforms and Partial Differential Equations	94.89	95.87
3	Ms.K.Jothimani	Transforms and Partial Differential Equations	98.24	95.58
4	Mr.E.Venugopal	Electrical Engineering and Instrumentation	95.38	95.19
5	Mr.E.Venugopal	Electrical Engineering and Instrumentation	90.94	92.06
6	Dr.M.Rangasamy	Electrical Engineering and Instrumentation	90.65	94.42
7	Mr.K.Naveen Durai	Object Oriented Programming and Data Structures	93.85	94.17
8	Mr.K.Naveen Durai	Object Oriented Programming and Data Structures	91	94.13
9	Ms.S.Bhuvaneshwari	Object Oriented Programming and Data Structures	86.93	90.16
10	Mr.Mohan kumar	Digital Electronics	98.08	95.96
11	Mr.R.Shanmugam	Digital Electronics	95.38	97.46
12	Ms.K.Sridevi	Digital Electronics	98.82	95.43
13	Mr.G.Suresh	Signals and Systems	89.01	83.4
14	Mr.S.Dhanasekeran	Signals and Systems	94.1	95.32
15	Mr.V.Anand kumar	Signals and Systems	99.08	87.91
16	Ms.Faridha banu	Electronic Circuits- I	85.19	94.81
17	Mr.A.Ramesh	Electronic Circuits- I	94.77	96.75
18	Ms.C.Gayathri	Electronic Circuits- I	96.73	94.19
19	Ms.D.Faridhabanu	Analog and Digital Circuits Laboratory	93.27	90.65
20	Mr.E.Venugopal /	Analog and Digital Circuits Laboratory	97.33	88.15
21	Mr.E.Venugopal /	Analog and Digital Circuits Laboratory	96.17	81.48
22	Ms.S.Kokilamani	Analog and Digital Circuits Laboratory	97.78	96.16
23	Mr.A.Ramesh	Analog and Digital Circuits Laboratory	100	93.18
24	Ms.K.Sridevi	Analog and Digital Circuits Laboratory	99.35	95.58
25	Mr.K.Naveen Durai	OOPS and Data Structures Laboratory	96.69	90.51
26	Mr.K.Naveen Durai	OOPS and Data Structures Laboratory	97.28	93.92
27	Ms.S.Bhuvaneshwari	OOPS and Data Structures Laboratory	98.69	88.76
28	Mr.J.Dhanasekar	Digital Communication	98.3	98.4
29	Dr.C.Venkatesh	Digital Communication	88.69	87.86
30	Mr.S.Dhanasekeran	Digital Communication	95.73	96.71
31	Mr.V.Vinuraja	Principles of Digital Signal Processing	98.3	97.72
32	Mr.S.Boopathy	Principles of Digital Signal Processing	97.93	97.74
33	Mr.T.Thamaraimanalan	Principles of Digital Signal Processing	97.73	96.63
34	Mr.M.Mahaboob	Transmission Lines and Wave Guides	97.88	95.2
35	Ms.S.Thillaikarasi	Transmission Lines and Wave Guides	97.33	84.47
36	Dr.L.Jubairahmed	Transmission Lines and Wave Guides	90.2	92.63
37	Mr.R.Manikandan	Environmental Science and Engineering	92.79	94.16
38	Mr.R.Manikandan	Environmental Science and Engineering	98.13	97.23
39	Mr.K.Rajthilak	Environmental Science and Engineering	99.2	97.92
40	Dr.E.Kamalavathi	Microprocessor and Microcontroller	96.91	96.19
41	Dr.E.Kamalavathi	Microprocessor and Microcontroller	91.33	95.91
42	Ms.K.Suganyadevi	Microprocessor and Microcontroller	96.4	96.87
43	Mr.V.Vinuraja	Digital Signal Processing Laboratory	97.72	86.02
44	Mr.S.Boopathy	Digital Signal Processing Laboratory	96.22	98.18
45	Mr.S.Dhanasekeran	Digital Signal Processing Laboratory	96.87	97.44
46	Mr.M.Mahaboob	Communication System Laboratory	95.83	92.19
47	Ms.S.Thillaikarasi	Communication System Laboratory	93.88	89.21
48	Ms.D.Faridhabanu	Communication System Laboratory	96.06	97.01
49	Ms.D.Sindhu	Microprocessor and Microcontroller Laboratory	95.44	95.24
50	Mr.V.Mathiazhagan	Microprocessor and Microcontroller Laboratory	97.33	98.4
51	Ms.K.Suganyadevi	Microprocessor and Microcontroller Laboratory	95.83	97.44
52	Ms.S.Thillaikarasi	RF and Microwave Engineering	82.68	87.96
53	Mr.J.Dhanasekar	RF and Microwave Engineering	97.69	96.02
54	Ms.B.Anuradha	RF and Microwave Engineering	94.63	98.33

55	Ms.P.Maria Glenny	Optical Communication and Networks	81.36	86.57
56	Ms.D.Sindhu	Optical Communication and Networks	91.94	90.11
57	Ms.D.Sindhu	Optical Communication and Networks	99.44	99.17
58	Dr.N.Shanmugasundaram	Embedded and Real Time Systems	84.15	88.98
59	Mr.T.Thamaraimanalan	Embedded and Real Time Systems	95	96.77
60	Mr.M.Mohan kumar	Embedded and Real Time Systems	99.76	99.67
61	Ms.K.Suganyadevi	Satellite Communication	85.88	90.46
62	Dr.L.Jubairahmed	Satellite Communication	89.17	86.99
63	Dr.C.Venkatesh	Satellite Communication	97.44	98.67
64	Ms.C.Gayathri	Advanced Computer Architecture	84.98	89.26
65	Mr.V.Vinuraja	Advanced Computer Architecture	91.11	91.4
66	Mr.C.Udhaya kumar	Advanced Computer Architecture	98.24	98.17
67	Mr.V.Mathiazhagan	Advanced Microprocessors and Microcontrollers	84.56	89.26
68	Ms.K.Sridevi	Advanced Microprocessors and Microcontrollers	91.94	90.97
69	Ms.S.Kokilamani	Advanced Microprocessors and Microcontrollers	99.04	99.33
70	Mr.M.Vivekkumar	Embedded Laboratory	76.67	80.56
71	Mr.T.Thamaraimanalan	Embedded Laboratory	96.51	95.83
72	Mr.M.Mohan kumar	Embedded Laboratory	99.72	99.47
73	Ms.C.Gayathri	Optical and Microwave Laboratory	83.61	87.35
74	Mr.J.Dhanasekar	Optical and Microwave Laboratory	97.3	95.83
75	Ms.B.Anuradha	Optical and Microwave Laboratory	97.78	99.21


Head of the Department
 Department of Electronics and Communication
 Sri Eshwar College of Engineering
 Kumbakonam (P.O. Vadabilur (Ma)),
 Kumbakonam, Coimbatore - 641 202.

18/09/2017
9:41:47AM

Sri Eshwar College of Engineering

Kondampatti Po, Vadasithur(via), Coimbatore-641202

Feedback Scoring Sheet for Class II B.E. ELECTRONICS AND COMMUNICATION ENGINEERING - A in Odd Sem 2017-18 Theory FB2 for a Sem Period Odd sem 2017-2018

Total No. of Students attended: 0 out of 58

Staff	DHIVYA / Object Oriented			FARIDHA BANU D / Electronic			MOHANKUMA R M / Digital Electronics			REVATHYA / Transforms and Partial			SURESH G / Signals and Systems			VENUGOPAL E / Electrical Engineering			Count		
	Satisfied	Good	Excellent	Satisfied	Good	Excellent	Satisfied	Good	Excellent	Satisfied	Good	Excellent	Satisfied	Good	Excellent	Satisfied	Good	Excellent			
COMMUNICATION WITH THE STUDENTS IN ENGLISH?	0	4	48	0	6	46	0	4	48	0	6	46	0	7	12	33	0	9	43	52	312
COVERAGE OF CONTENT IN THE SYLLABUS?	2	10	40	0	14	38	1	5	46	0	8	44	0	6	9	37	0	4	48	52	312
LEGIBILITY OF THE BOARD WORK?	0	6	46	0	3	49	0	7	45	0	5	47	0	6	17	29	0	7	45	52	312
PREPARATION AND FACULTY'S WILLINGNESS TO CLARIFY YOUR DOUBTS IN THE	0	10	42	0	7	45	1	5	46	0	5	47	0	8	11	33	0	4	48	52	312
PROVIDING INNOVATIVE/THOUGHT PROVOKING PROBLEMS TO SOLVE? SUPPORT FOR	1	7	44	0	11	41	0	7	45	0	12	40	0	7	15	30	0	10	42	52	312
PUNCTUITY AND REGULARITY OF THE FACULTY TO THE CLASS?	1	7	44	0	5	47	0	4	48	0	4	48	0	8	6	38	0	7	45	52	312
REVISION OF THE PREVIOUS DAY'S PORTION THROUGH ASKING QUESTIONS?	1	6	45	1	6	45	1	2	49	0	8	44	0	6	10	36	1	9	42	52	312
SUBJECT KNOWLEDGE AND EXPLAINING THE CONCEPTS WITH EASY TO UNDERSTAND	0	10	42	1	11	40	1	8	43	1	3	48	1	8	15	29	0	6	46	52	312

	DHIVYA / Object Oriented			FARIDHA BANU D / Electronic			MOHANKUMA R M / Digital Electronics			REVATHY A / Transforms and Partial			SURESH G / Signals and Systems			VENUGOPAL E / Electrical Engineering			Count			
	Satisfied	Good	Excellent	Satisfied	Good	Excellent	Satisfied	Good	Excellent	Satisfied	Good	Excellent	Satisfied	Good	Excellent	Satisfied	Good	Excellent				
VOICE QUALITY OF THE FACULTY?	0	10	42	0	5	47	0	52	0	7	45	0	4	48	0	7	37	0	8	43	52	312
WOULD YOU RECOMMEND THE FACULTY TO TAKE THE SAME SUBJECT FOR THE FUTURE	2	7	43	0	9	43	0	52	1	4	47	0	4	48	0	8	33	0	7	45	52	312

	DHIYAA / Object Oriented			FARIDHA BANU D / Electronic			MOHANKUMAR M / Digital			REVATHY A / Transforms and			SURESH G / Signals and			VENUGOPAL E / Electrical			Total
	Satisfied	Good	Excellent	Satisfied	Good	Excellent	Satisfied	Good	Excellent	Satisfied	Good	Excellent	Satisfied	Good	Excellent	Satisfied	Good	Excellent	
Satisfied	7			2			5			1			74			2			91
Good	77			77			53			59			111			71			448
Excellent	436			441			462			460			335			447			2,581
Total	520			520			520			520			520			520			3,120

Average	28.25	28.44	28.79	28.83	25.02	28.56	27.98
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Percentage	94.17	94.81	95.96	96.09	83.40	95.19	93.27
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18/9/17
HOD

ANNEXURE – IV
FEEDBACK FROM ALUMNI 2017-18

SRI ESHWAR COLLEGE OF ENGINEERING
COIMBATORE – 641 202

ALUMNI SURVEY

The faculty and students of SRI ESHWAR COLLEGE OF ENGINEERING are dedicated to the continuous improvement of undergraduate/postgraduate engineering programs. The information that you provide through this survey will be very helpful in this process. We appreciate your help in filling out this survey. Thank you for your cooperation and support.

		Date of Survey		13/08/17.	
Name	R. Kalidhasan.		Gender	M	<input checked="" type="checkbox"/> F
Address	35/24, Nachan colony, Podarur				
Mob. No.	8148600167	Email ID	kalidas.2693@gmail.com.		
UG / PG Program pursued at SECE		UG.			
Year of Study		2012 - 2016.			
Current Occupation	Employed <input checked="" type="checkbox"/>	Self Employed <input type="checkbox"/>	Higher Studies <input type="checkbox"/>	Unemployed <input type="checkbox"/>	
If Employed					
Company Name		Universal Electro hydraulic machines.			
Company Address		Avarampalayam, Cbe - 06.			
Job Title		Purchase Engineer.			
Job Description					
Years of experience		1 year & 02 month.			
Awards / Recognition		-			
Professional Certifications (like PMP, CCNA, CISA, CSQA. Etc)		-			
If Pursuing Higher Education	Admission for Higher Education through	GATE (specify score)	TANCET (specify score)	TOEFL (specify score)	Others (specify) (specify score)
	ME	MTech	MS	MBA	PhD
	Name of the University / Institution				
	Awards / Honors Received				
If Self Employed	Name and address of the enterprise				
	Relevance to the program you pursued	YES		NO	

Thank you for completing this survey. Your feedback will be used to improve the preparation of SECE graduates for employment.

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Please rate each of the following skills, abilities or attributes in terms of their importance and use in your job, and state how well your education at SECE prepared you for these.

Skills, abilities, and attributes		POOR	SATISFIED	GOOD	VERY GOOD	EXCELLENT
Rate your ability to: (put tick mark)		1	2	3	4	5
PEO1	Possess enhanced core technical skills and competencies to progress in their career.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PEO2	Have capabilities to evolve as entrepreneur / use contemporary tools and techniques for research / develop innovative products.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PEO3	Possess adequate knowledge in the areas of Design, Thermal, CAD/CAM, Manufacturing and allied fields to execute multidisciplinary projects and solve societal problems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PEO4	Exhibit professional ethics, leadership quality, team spirit and ever learning attitude for a successful career.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

In what areas SECE should improve in preparing the students for employment?

Communication Skills	<input checked="" type="checkbox"/>
Leadership Qualities	<input type="checkbox"/>
Professional Ethics	<input type="checkbox"/>
Technical Skills	<input checked="" type="checkbox"/>
Others (pl. specify)	<input type="checkbox"/>

How do graduates from SECE compare with graduates from other institutions?

Much Better	Somewhat Better	About the same
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

What words would you use to describe SECE and its graduates?

Excellent	Very Good	Good	Satisfactory
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Your suggestions on topics to be covered as part of the curriculum

Your suggestions on value added course to be provided to students

Thank you for completing this survey. Your feedback will be used to improve the preparation of SECE graduates for employment.

Your suggestions for soft skill training to be provided to students

* communication skill.

Your suggestions for improvement on course delivery methodology

* Practical method.

Your suggestions on infrastructure to be added

Your suggestions on areas of engagement with industry

What do you like the most at SECE?

* In Bus facilities.
* Placement.

D. Sali 13/08/17.

SIGNATURE WITH DATE

Thank you for completing this survey. Your feedback will be used to improve the preparation of SECE graduates for employment.

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SRI ESHWAR COLLEGE OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Action Taken Report for Alumni Survey

Department : Mechanical Engineering

Activity Date : 13.08.2017

Activity : Alumni meeting

ATR Date : 16.08.2017

S. No	Details of issue/Non-conformity	Batch	Responsibility	Proposed Action	Target Date	Action implemented on	Implementation verification	Verified by & Date	Action status
1	<u>Pending Activity</u> Engineering Materials	2010-2014	Mr. Palanivelrajan	Guest Lecture on Recent Advancements in Engineering Materials to be planned in the forth coming semester	February 2018	A guest lecture on International Standards on products & process was conducted on 20/5/18	Verified & checked in EEP	HOD [Signature]	closed
	Engineering Measurements			Guest Lecture on Recent Trends in the Measurement field to be planned in the forth coming semester		A exclusive workshop is conducted on 20/9/17 for units & measurements	Verified & checked in EEP	HOD [Signature]	closed.
2	Tool management	2010-2014	Mr. Justin Dhiraviyam	Guest Lecture on Tool management to be planned in the forth coming semester	February 2018	Guest lecture on business thinking is conducted on 12/10/17	Verified & checked in EEP.	HOD [Signature]	closed.
3	Mail drafting	2013-2017	Placement	Mail drafting is already been practiced by the students in soft skills and placement activities	February 2018	The proposed action is already practiced and is in process and hence requires no further action		[Signature]	closed.
4	More interactive classroom teaching	2009-2013	HOD/Mech	Different teaching modes like interactive and collaborative methods to be	January 2018	Interactive teaching mode is included in the course plan for the all the	Verified the action item	08.01.2018	Closed

								included in the course plan			subjects			
5	Tree planting	2010-2014	SESSWA Coordinator	Tree planting is been planned by the department SESSWA coordinator for the forthcoming semester	February 2018	Not initiated due to National highway road projects	Rescheduled to next year Target date revised to March 2019							
6	Industrial visits	2009-2013 2013-2017	Mr. Y Suresh Babu	Industrial visits are already been planned and executed as per the schedule.	March 2007 2011	Industrial visits planned and executed as per scheduled plan	Verified & checked ERP							
7	Internships	2009-2013	Mr. Tiruppathi	Students are motivated to take up more internships in the forth coming semester	March 2008	31 students were benefited by various Internship programs	Verified & checked in ERP							
8	Practical knowledge	2009-2013 2013-2017	HOD/Mech	Instructed to the subject handling faculty to use IPLs for the necessary topic during the regular lecture hours	March 2008	Due to non availability of time IPL activity is postponed to next semester	Verified							
9	Technical skill	2013-2017	HOD/Mech	Mini project work is been provided in the forth coming semester	March 2008	35 batches successfully completed with project giving knowledge in Technical field	Verified							
10	Industry related issues and problem solving	2009-2013	HOD/Mech	Students are highly motivated to do industry oriented projects	March 2008	11 students were benefited by involving in industry related project	Verified							

11	Spoken Hindi classes	2009-2013	HOD/Mech	Scope for spoken Hindi is abundant in nearby places. So Spoken classes for Japanese language is included and students are motivated to take up the course regularly	March 2018	Admined Holdings 15 take up the class if interest of privately.	—	By HOD	closed.
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**ANNEXURE -V
PARENTS SURVEY**

PARENTS SURVEY				
பெற்றோர்களின் கருத்து கேட்டறியும் படிவம்				
Name of the Parent பெற்றோரின் பெயர்	MANIVANNAN. B			
Name of the Student மாணவரின் பெயர்	VANDHANA. M			
Branch of Study மாணவர் படிக்கும் பொறியியல் துறை	CSE - C	Year of Study மாணவர் படிக்கும் ஆண்டு	11	
Survey Date - கருத்து கேட்டறிந்த தேதி				
Score (மதிப்பெண்)	1	2	3	4
Facility (வசதிகள்)				
Rate the academic facilities of the college கல்லூரியில் மாணவர்களின் படிப்பு சம்பந்தப்பட்ட வசதிக்களுக்கு உங்களின் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rate the sports facilities of the college கல்லூரியில் மாணவர்களின் விளையாட்டு சம்பந்தப்பட்ட வசதிக்களுக்கு உங்களின் மதிப்பெண்	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rate the transport facilities of the college கல்லூரியில் மாணவர்களின் போக்குவரத்து வசதிக்களுக்கு உங்களின் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rate the amenities of the college கல்லூரியில் மாணவர்களுக்கான இதர வசதிக்களுக்கு உங்களின் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Communication (தகவல் பரிமாற்றம்)				
Communication on your ward's academic performance மாணவரின் படிப்பு சம்பந்தமாக, கல்லூரி தகவல் வழங்குவதற்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Communication on your wards attendance மாணவரின் வருகை சம்பந்தமாக, கல்லூரி தகவல் வழங்குவதற்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Communication on internal tests கல்லூரி அளவில் நடைபெறும் தேர்வுகள் பற்றிய தகவல்களுக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Communication on university examinations பல்கலைக்கழகத்தால் நடத்தப்படும் தேர்வுகள் பற்றிய தகவல்களுக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Communication on holidays கல்லூரி விடுமுறை பற்றிய தகவல்களுக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Communication on college events கல்லூரியில் நடைபெறும் வெவ்வேறு நிகழ்ச்சிகள் பற்றிய தகவல்களுக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1. POOR-மோசம் 2. SATISFIED- திருப்திகரம் 3. GOOD- நன்று 4. EXCELLENT- மிக நன்று

Score (மதிப்பெண்)	1	2	3	4
Communication on value added courses மதிப்புக் கூட்டப்பட்ட பாடங்கள் பற்றிய தகவல்களுக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Communication on special coaching sessions சிறப்பு வகுப்புகள் பற்றிய தகவல்களுக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Communication on placement trainings வேலைவாய்ப்புக்கான பயிற்சி வகுப்புகள் பற்றிய தகவல்களுக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Communication on placement activities வேலைவாய்ப்பு சம்பந்தமான நடவடிக்கைகள் பற்றிய தகவல்களுக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accessibility (அணுகக்கூடிய தன்மை)				
Accessibility to Management கல்லூரி நிர்வாகத்தினருடனான அணுகக்கூடிய தன்மைக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accessibility to Principal கல்லூரியின் முதல்வருடனான அணுகக்கூடிய தன்மைக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accessibility to Deans & HoDs கல்லூரியின் துறைத்தலைவர்கள் மற்றும் பேராசிரியர்களுடனான அணுகக்கூடிய தன்மைக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accessibility to Faculty கல்லூரியின் ஆசிரியர்களுடனான அணுகக்கூடிய தன்மைக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Accessibility to Office Staff கல்லூரியின் அலுவலகப் பணியாளர்களுடனான அணுகக்கூடிய தன்மைக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Accessibility to ERP கல்லூரியில் பயன்படுத்தப்படும் இம்ப்ரெஸ் மென்பொருளுக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Accessibility to College Website கல்லூரியின் வலைதளத்திற்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Grievance redressal (குறைகள் களைதல்)				
Facility to communicate grievances தங்கள் குறைகளை தெரியப்படுத்த கல்லூரியில் உள்ள வசதிகளுக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Speed of grievance redressal தங்களது குறைகள் தீர்த்து வைக்கப்படும் முறைக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1. POOR-மோசம் 2. SATISFIED-திருப்திகரம் 3. GOOD-நன்று 4. EXCELLENT-மிக நன்று

Score (மதிப்பெண்)	1	2	3	4
Placement (வேலைவாய்ப்பு)				
Communication on students placed வேலைவாய்ப்பு வழங்கப்பெற்ற மாணவர்களைப் பற்றிய தகவல்களுக்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Quality of placement பெற்றுத்தரப்படும் வேலைவாய்ப்புகளின் தரத்திற்கு தங்கள் மதிப்பெண்	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Rating of Sri Eshwar ஓட்டு மொத்த அளவில் ஸ்ரீ எஸ்வர கல்லூரிக்கு தாங்கள் வழங்க விரும்பும் மதிப்பெண்	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Form No. CI 16: Rev. 00: Rev. Dt. 23.04.2015

ANNEXURE - VI
FEEDBACK FROM EMPLOYERS

Sri Eshwar College of Engineering

Kinathukadavu, Coimbatore - 641202

Campus – Recruiter's Feedback Form

Name of the Company	Capgemini Tech India	Date of Placement Drive	9 th Sept 17
Name of the Person	Asad + Kiran	Designation	2 Div & Sr Mgr

Thank you for scheduling on-campus recruitment at Sri Eshwar College of Engineering. We hope your efforts have been successful and that your recruiting experience has been a positive one.

Please take a few minutes to answer the questions below. This information will provide valuable feedback for our students and staff to better serve your needs in the future. Please choose the option that best describes your experience:

Attributes	Poor	Satisfied	Good	Excellent
Coordination of the placement schedule was done perfectly			✓	
Arrangement of transport, accommodation was satisfactory				✓
Staff was friendly, helpful & knowledgeable				✓
Campus recruitment facility was comfortable			✓	
Students' involvement in the pre-placement talk met your expectation		✓		
Students' behavior was professional			✓	
Students were well groomed & professionally dressed			✓	
Students' resumes were professional		✓		
Students' skills met your requirement			✓	
Students' communication skills were as per your expectation		✓		
Students were able to answer the questions easily during the interview		✓		
Overall recruitment experience was pleasant		✓*	✓	

Suggest topics for value added course:

Suggest topics for Guest Lecture Seminars Workshops:

Industry Expectation from a fresh graduate

Suggest topics to be included in the syllabus:

more than addition ensure embedment of subject taught

Feedback, Comments and / or suggestions:

Improve on students confidence
build / hold confidence
building programs. Improve on
communication (spoken)

Signature:

(Signature)

*: numbers selected lower than expectation

Sri Eshwar College of Engineering

Kinathukadavu, Coimbatore - 641202
Campus – Recruiter's Feedback Form

Name of the Company	Capgemini	Date of Placement Drive	8-9 Sept
Name of the Person	Uzma & Selvasundari	Designation	Managers

Thank you for scheduling on-campus recruitment at Sri Eshwar College of Engineering. We hope your efforts have been successful and that your recruiting experience has been a positive one.

Please take a few minutes to answer the questions below. This information will provide valuable feedback for our students and staff to better serve your needs in the future. Please choose the option that best describes your experience:

Attributes	Poor	Satisfied	Good	Excellent
Coordination of the placement schedule was done perfectly				✓
Arrangement of transport, accommodation was satisfactory			✓	
Staff was friendly, helpful & knowledgeable			✓	
Campus recruitment facility was comfortable			✓	
Students' involvement in the pre-placement talk met your expectation			✓	
Students' behavior was professional			✓	
Students were well groomed & professionally dressed			✓	
Students' resumes were professional		✓		
Students' skills met your requirement		✓		
Students' communication skills were as per your expectation			✓	
Students were able to answer the questions easily during the interview		✓		
Overall recruitment experience was pleasant			✓	

Suggest topics for value added course: Communication, C Programming, Project work, Interview facing skills.

Suggest topics for Guest Lecture Seminars Workshops: More hands on experience. Thinking of positive & negative scenarios, Advantages, disadvantages, limitations.

Suggest topics to be included in the syllabus: Hands on experience in databases, C, C++.

Feedback, Comments and /or suggestions: Understanding end to end about Project done. Concepts used in the Projects.

Signature: _____

ANNEXURE - VII

Minutes and Action taken report for the Management Review Meeting for the Year 2017-18

Action Item	Action taken
The college has plan to establish research center Gold Industry on Areas of Electro Plating in Jewelry Industry, Solvent Extraction for perfume industry, Thermal Modeling for solar and other fast growing areas can be identified to nourish research activities.	Energy cell is established in the area of Solar technology and the other renewable sources. Through which energy audit is being conducted to the major industries and airports, also additional 500W wind system is created which will be integrated with existing 500W system.
The college should focus on ISTE/DST funding for projects and also prepare project proposal worth more than Rs. 30 Lakhs.	EEE, ECE submitted the proposal with DST during the academic year 2017-18 ODD Semester between June 2017 to December 2017
The college should in the DST scientists to the campus so that the students will get opportunity to interact with them that would help the students to do their projects better.	Dr.P.A..Manoharan, Technical officer C, DRDO inaugurated Mitsubhsi Robotics COE and interacted with Electricals Engineering students.
The college organize annual sports meet for college students. The sports meet may be organized to school students but that would be purely a promotional activity for the college.	Interschool event "Spark-2017" conducted on 28.10.2017
The college do survey of the students admitted district-wise and zone-wise.	Participated in educational fair at Salem, Trichy, Madurai etc. during the academic year 2017-18 as more no. of students got admitted from those places.
Finding the potential for admission zone-wise so that the admissions can be boosted in the future.	Identified the potential areas district wise like Madurai, Salem, Trichy using Impres Erp which was helping to got more no. of admission from those areas.
Stressed on the importance of ISR (Institute Social Responsibility) and it should be included in the 3E document.	SESSWA and NSS working together & conducted various social activities.
Including Hindi as a value added course for all students.	Hindi Classes were conducted for interested students in the evening. Mr.Ravindra Gupta BCT placed students initiated the class for juniors.
All the faculty members to take up BEC Vantage Certification and that to be included in the self appraisal of the faculty too. This would help the faculty to become resource person for others.	Advised faculty members to take up BEC Vantage Certification.
All faculty be given sufficient exposure in the areas of NBA like OBE, PO, CO & PEO through various awareness program and handouts.	1. NBA Awareness program on 31st may 2017 was conducted by Mr.Ilango Murugesan ,Prof.W.Rajan babu,and Research Dean(R&I) Dr.Karuppusamy. 2.CO /PO Attainment awareness was given by IT Directors Mr.Ilango Murugesan & Mr. Kannan Narashiman ,Prof.W.Rajan babu on 10th July 2017. 3.Handout on OBE for faculty was conducted by Mr. Kannan Narashiman , Dr.Karuppusamy Research Dean(R&I) ,Prof.W.Rajan babu on 26.01.2018
All faculty members should acquire expertise in MOODLE.	As an initiative awareness program was conducted on usage of moodle software on 19.07.2017 4 week FDP on Padegogy attended by faculty members with the help of Moodle through IIT-Bombay from 3 rd Aug to 7 th Sep 2017
All faculty must have awareness about the leave policy.	During the faculty induction program, the HR policy is discussed in the month of June 2017 at the time of joining. Policy is available in our college website.
In the classrooms, webinar to be conducted by the alumni for the students so that the students can gain practical exposure in that particular topic.	Request is sent through alumni association for taking webinar by the alumni and also page is opened in alumni web portal for their convenience other than that when the alumni visits our campus, they

	are given opportunity to take the session for the students.
The faculty members should record the additional efforts that they take to teach the students in an effective manner. The record should be endorsed by the HOD, which can be used at the time of appraisal for the faculty.	Additional efforts taken to teach the students like Tablet, NPTEL Videos, faculty own website, online video presentation, moodle endorsed by HOD and will be included in the appraisal of the the year 2017-18
The college should closely monitor the FDP of the faculty members so that the faculty don't restrict themselves to one particular zone or area but get maximum exposure by going out of Coimbatore and get trained in upcoming areas of technology. The FDP should not happen just for the sake of record but should be taken up from learning point of view so that the students can be trained well in the future.	Faculty members are attended the FDP at IIT-Bombay through webinar mode, Vellore Institute of Technology (VIT) and PSG College of Technology. 25 of our faculty members attended FEP – Faculty Empoerment Program in various reputed Industries like Cloud Kinetics, Virtusa, Bhavan Cybertech etc. for the period of 2 months during April-June 2018.
Apart from GATE coaching for the students, Higher Education students should be given training on other exams as well.	A separate Higher Education Center and Dr.V.S.Akshaya has been appointed as Deputy Head for the center. Activities such as Assisting and Training students in getting admission for higher studies, Internship in Abroad and India,
The college should go for the Overseas University Collaboration in the year 2018 itself instead in the year 2019. This would help the college to apply for autonomous status in the year 2019. He also mentioned that the year 2019 would be an eventful year for the college.	Identified more than 40 reputed universities across the globe and sent the request mail for MOU during the month of May/June 2018.
Tamil Mandram to be included in General Club activities.	Tamil Mandram is functioning and they conduct various competitions in tamil from the year 2017.
The Village adopted by the college should be provided with lighting facility.	Five villages Vadasithur, Kondampatti, Kurunallipalayam, Mandrapalayam and Kodhavadi are adopted.
New courses can be added to the existing courses to improve the admissions to the college.	During the month of February 2018, our College is accredited by NBA and in the next year new courses will be added based on market demand.
The students should be given adequate exposure to services like IES, IRS, and UPSC etc. The students should be given updates about the various engineering services available for them. Prof. R.M. Vasagam suggested that Mr. Chidambaram be brought to the college to interact with the students to learn about the opportunities in the Indian Railway Services.	To create adequate exposure towards government jobs, resource person have been identified. Regular class for Students will commence from 02/07/2018 and the seminars are planned accordingly.
The students should be given an opportunity to prepare presentations on the difficult subjects and the presentation should focus on the history of that particular topic so that the students understand the technology wholly. Also, the students would then understand the need to learn that topic / technology.	It is already implemented and integrated in the course plan for all courses
The college to tie up with International universities in countries likes Singapore, Australia, Japan, Italy, France, Germany etc. He said that the MOUs are purely done as a personal relationship between the college and the university.	Identified more than 40 reputed universities across the globe and sent the request mail for MOU during the month of May/June 2018.
The college can work with certain companies like Pricol not only for placements but also to gain contacts for R & D.	Departments are already working with ELGI, Aquasub, Roots, Mitsubishi Electric, Messer cuttings, Cloud kinetics, Bhavan cyber tek etc. and established established laboratory in association with them.
Students should spend one semester overseas for gaining international exposure, especially in engineering services.	Group of 54 students along with 4 faculty members visited universities and Industry at Malaysia and Singapore from 12.6.18 to 16.6.18
Since students don't have through knowledge in core technologies, orientation about engineering services needs to be given. He also	Essay writing is conducted on 25/8/2017 for the students and it is

spoke about the poor writing skills of the students.	being done continuously on Saturdays
Before the signing of the MOU, the faculty of the college must interact with the university to create a link so that the college gains contacts.	Faculty members are sending the request to the foreign universities and getting response from them. Visit was arranged by the faculty members to the students with the University of Malaya at Malaysia on 12.6.2018
Mechanical, ECE students can be identified in the III semester and start their training from IV semester onwards.	Students are identified and trainings are being imparted to them on technology and soft skill during the month of June 2018.
The Placements is the main attraction for admission for any student or parent, so the college should highlight the placement records.	Placement related record is being updated with parents through SMS and through social media to alumni and public through news paper and transport.
Stressed on the importance of collecting feedback from the outgoing students and stressed on the fact that the feedback be a satisfactory survey. According to him, the survey will help the college to understand its area of improvements that would in turn help to improve the college to serve the student community better.	The department is taking Degree Exit survey and the areas of improvement are identified and action is taken. This is happening every year.
The statistics for placements based on the skills of the students be collected and categorize students according to that. The identification should happen in all the departments.	Students are categorized skill wise A as Above Average, B as Average and C as Below Average. The categorization is done in all department and Training, Class, Extra coaching is carried out according to their category.
The college should form focus groups, identify the demographic influence in admission process, do a complete analysis and also to disseminate information about the college through Face Book continuously.	College has been focusing on social media for publishing the various activities conducted in campus and achievements of students. An active Facebook page has been updated regularly. A common telegram group has been created to connect o all alumni in one platform.
Not only placements but all departments should be actively involved in the social media and post blogs in unique ways about the activities happening in the college.	Faculty have started writing Blogs and are getting connected in social media like LinkedIn, What's app and others. Events of College and Department are publicized in social media.
The college should rightly and wisely use the social media forum to promote its various department activities, the placement achievements so that the parents and the students will know more about the college and the opportunities available to them if they choose to get admitted to the college.	All department has been taken charge of branding the department activities like workshops, Guest lectures, Conferences, Consultancy services, placements and also college associated events like industry connect and Spark through social medias like facebook and whatsapp.

ANNEXURE – VIII

BEST PRACTICE – 1

1. Title of the Practice – Faculty Summer Internship with industry

The objectives of Faculty Summer Internship with Industry are as follows:

- To get to know the expectations of the industry better
- To get exposed to industry practices
- To relate the learning from industry during the class room sessions and teach effectively
- Strengthen the relationship with industry

2. Goal

The goal is to first make the faculty members understand the industry environment and expectations better so that they can prepare the students appropriately for the industry. Time immemorial, there has been an observation that there exists a gap between industry and academia. SECE has been constantly working on bridging this gap and is one of the few institutions to bring on board two industry experts as full-time directors to teach the faculty and students industry practices. This Faculty Summer Internship initiative helps the faculty:

- to work closely with industry
- to understand industry expectations and requirements
- to work on industry projects to get practical exposure
- to become empowered with enhanced competency and skills

3. The Context

The recruited faculty members generally possess good academic qualification, but not industry back ground. To provide the students as deployable engineers, it is imperative that the faculty members understand the expectations and requirements of the industry. Without working on the field in the industry, it may not be possible for the faculty to equip themselves on this. Hence, as an institution, we have implemented the initiative of “Faculty Summer Internship” to facilitate faculty empowerment.

4. The Practice

- To go through summer internship at industry, 25% of the faculty members from across the departments are identified every year
- Based on the topic being taught by the faculty, request is made to the relevant industries seeking a two-month internship for the faculty
- Upon confirmation from the companies, the faculty are deputed to the respective companies with TADA being provided by the management
- Periodic report on the progress of the internship and progress is provided to the management of SECE

- Follow-up is made by the management of SECE with the faculty mentors at the respective companies on the progress of the internship
- The faculty upon completion of the internship prepare and submit a report to SECE management on the learning and competency gained
- The faculty relate the learning with practical industry examples when they teach the topic in the class room

5. Evidence of Success

- The faculty members were deputed to the following companies during the summer of 2018
 - ElgiEquipments
 - Messer Cutting Systems
 - BahwanCyberTek
 - Cloud Kinetics
 - Syrma Technology
 - Amphisoft Technologies
 - Virtusa Software
 - Barry Wehmiller – Design Group
- The companies have acknowledged the active involvement and participation of the faculty members during the internship
- The faculty have captured the knowledge and experience gained in the form of an internship report
- The faculty members are now able to teach the topic better with industry examples and make the class room sessions effective

6. Problems Encountered and Resources Required

- Great amount of effort needs to be put in, to convince the faculty as well as the companies on the potential benefits of the initiative. With the very well-established industry linkage, we are able to overcome this and gain the support and cooperation of the industry. The faculty also feel empowered after their return from the internship.
- Financial budgeting for deputing the faculty to various locations and taking care of their TADA for two months.

7. Notes – Nil

BEST PRACTICE -2

1. Title of the Practice – Providing Readily Deployable Engineering Students to the Industry.

The objective of this practice is to train the students on company specific curriculum while they are in the campus and provide them as readily deployable engineers.

2. Goal

The goal is to:

- Understand the technology requirements of the companies
- Jointly evolve curriculum with the companies
- Train the students on the agreed curriculum while in campus
- Provide students as deployable engineers upon graduation

3. The Context

There has been a consistent observation made by the industry that the students with their engineering degree are not deployable in projects. The companies must provide at least 4 to 6 months of training to the recruits before they are deployed into projects which is lot of time, effort and money for them. The industry has been insisting the institutions to ensure that the students are well trained while in campus and provided as ready to deploy engineers upon graduation.

4. The Practice

- Centres of Excellence for the technologies specified by the respective companies are established in the campus of SECE
- The respective companies recruit students of SECE during their 7th semester for the identified technology
- The curriculum on the identified technology is jointly evolved by the respective companies and SECE and agreed upon. The necessary assignments and assessments are also decided and agreed upon
- Minimum of two faculty members from SECE are deputed to the company to get trained on the identified technology and become proficient
- The recruited students are trained on the agreed curriculum during their 8th semester by the faculty members of SECE who got trained by the company
- There are frequent interventions by the respective companies providing assignments, assessments etc. to monitor the progress of the recruits
- The recruits complete the course and where required achieve professional certification on the respective technology and join the company

- The inducted students are deployed into projects in a drastically reduced time period

5. Evidence of Success

SECE has successfully established Centre of Excellence (COE) of Virtusa, BizTalk360, Aspire Systems, CADeploy and Sysnautix Technologies in its campus and implement the above model. Every year, the students recruited by these companies are trained by the SECE faculty members during the 8th semester and provided as deployable engineers at the completion of their graduation. This model is highly appreciated by the companies since it saves lot of time and money for them.

Virtusa started its first COE for Informatica in the year 2015 and looking at the benefits accrued, has started its second COE for Java Full Stack Development during 2018 and has almost doubled the recruits count. These companies vouch for the savings in time and money that is generally spent on training their recruits after joining their organizations.

The said practice dramatically enhances the confidence of the organizations on the institution and helps in strengthening the relationship and increased placement opportunities year after year.

6. Problems Encountered and Resources Required

- Dedicated faculty members must be identified and allocated to manage the COEs to provide confidence to the companies
- Dedicated space to run the Centre of Excellence and to conduct the training programs must be provided for
- Enough amount of confidence must be instilled among the companies to adopt the model
- Companies must be willing to train the staff members of the institution on the identified technology on a train the trainer mode

7. Notes – Nil

