Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**SRI ESHWAR COLLEGE OF ENGINEERING**
Name of the head of the Institution	**Dr.Sudha Mohanram**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04259200300**
Mobile no.	**7373617171**
Registered Email	**sece@sece.ac.in**
Alternate Email	**principal@sece.ac.in**
Address	**Kondampatti Post,Vadasithur (Via), Kinthukadavu**
City/Town	**Coimbatore**
State/UT	**Tamil Nadu**
Pincode	**641202**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Mr.Kannan Narasimhan**
Phone no/Alternate Phone no.	**04259200348**
Mobile no.	**9500170077**
Registered Email	**kannan_narasimhan@sece.ac.in**
Alternate Email	**sudhamohanram@sece.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://sece.ac.in/wp-content/uploads/2022/04/SECE-AQAR-2017-18.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://sece.ac.in/wp-content/uploads/2021/05/Academic-calendar-2018-19.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity Period From	Period To
1	**A**	**3.27**	**2016**	**11-Jul-2016**	**10-Jul-2021**

6. Date of Establishment of IQAC	**02-Jul-2015**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Pedagogy session weekly	**09-Oct-2018**	**150**

twice on Tuesday and Thursday	1	

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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Sri Eshwar College of Engineering, Chemistry, Department Science and Humanities, Dr.E.babu	Project	DST-SERB	2016 3	2500000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View Link
10. Number of IQAC meetings held during the year :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View Uploaded File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

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

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality

Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
International MoU with Foreign Universities	40 International Universities identified and sent mail to them. MoU process is going on with University of Malaya, Kuala Lumpur.
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Management	17-Oct-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**

Date of Visit	**17-May-2019**

16. Whether institutional data submitted to AISHE:	**Yes**

Year of Submission	**2019**

Date of Submission	**10-Jan-2019**

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

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**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 Management System • 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,**

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Institution is affiliated to Anna University, Chennai. Institution follows the curriculum given by the University. Based on the academic advisory council recommendations, value added courses and content beyond syllabus are framed for which the institution designs the curriculum. In order to have effective teaching, learning and evaluation process, SECE follows a systematic approach. The Academic Calendar is prepared at the commencement of the semester and becomes the guiding document for scheduling teaching, learning and evaluation activities. It is being prepared by every department for every programme before the semester starts. It consists of all the events conducted by that department for a semester and also includes the common events conducted by the institute. The calendar is circulated and uploaded in the ERP software for easy access to students and members of faculty. The Academic Schedule provided by the Anna University is also taken into consideration while preparing the Academic Calendar. The Anna University Academic Schedule comprises of Schedule for commencement of classes, internal tests, last instruction day, university theory, Academic audit and practical examination schedules. At the Next Level, the Course Plan is a vital document that the activities to be carried out with regard to the teaching-learning process. Course file is prepared by concerned faculty members for all the courses before the start of the semester and it is approved by the HOD and Dean Academics. The Course File contains Course Planning and Delivery aspects. Contents are as follows: 1.Department Vision, Mission 2. Programme Outcomes (PO) 3. Programme Objectives 4. Course Syllabus 5. Course Objectives 6. Course Outcomes (CO) 7. Mapping of COs and POs 8. Identification of curriculum gap 9. Details of Content beyond syllabus 10. Lesson plan 11.Delivery methods / models planned 12. Guest lectures, workshops planned. Course delivery covers the following : 1.Course Material 2. List of textbooks, reference books, journals and websites 3. EBooks, E-Materials, video (To be written in a DVD and attached) 4. Scope for self-learning 5. Old university question papers 6. Question bank (Unit I to V) 7.Slow learners coaching record Evaluation : Considering the various aspects including semester category (odd or even semester), public holidays, course plan etc. the examination cell of the institution prepares the schedule for weekly tests, internal tests and model examinations schedule. These schedules are integrated into the Academic Calendar for holistic reference and execution. The evaluation is done as per the curriculum design. The evaluation pattern consists of continuous internal assessment and university examination with 20% and 80 % weightage respectively. The internal assessment comprises of 20 marks which is an average of three internal tests. The internal test questions are prepared by the concerned faculty member and reviewed by the HODs before sending it to the Examination Cell. The end semester examinations are conducted by the Anna University.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene	Skill Development

		urship			
00	0	Nil	0	0	0

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	0	Nill
No file uploaded.		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer Science and Engineering	02/07/2018
BE	Electronics and Communication Engineering	02/07/2018
BE	Electrical and Electronics Engineering	02/07/2018
BE	Mechanical Engineering	02/07/2018
BE	Civil Engineering	02/07/2018
ME	Computer Science and Engineering	02/07/2018
ME	VLSI Design	02/07/2018
ME	Engineering Design	02/07/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	0	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
IOT, Cloud Computing ,Web Application	25/06/2018	167
Java Full Stack, Android ,Python	25/06/2018	167
Android ,IOT, Cloud	10/12/2018	167
Problem solving techniques	03/12/2018	167
Basic Electronics, PCB ADRINO	22/05/2019	141
PIC, JAVA	24/06/2019	39
OOPS, JAVA	10/12/2018	173
JAVA	03/12/2018	164
Embedded Systems Module - I	17/12/2018	48

Skill rack high level Training	10/12/2018	37

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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	QA Utility Tool	1
BE	Chargebee Plugin to Automatically Reconcile Bank Accounts	2
BE	PPM Automation Tool	2
BE	Iclinic – Web portal for health service	1
BE	Document360	3
BE	Formula Builder in Zoho Forms	2
BE	Serverless360	3
BE	Loading of Available Teachers schedules for Live classes	1
BE	Automation Testing Using Selenium IDE for Transport Management System in an e-commerce site	1
BE	Merchant Experience	1

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The institution is adopting various methodologies for enhancing the quality of the teaching and learning process. The feedback system is one of the methodology through which the various stakeholders are providing feedback. The feedback mechanism adopted in the college comprises of Stakeholders (Students, Alumni, Parents, Recruiters, Guest Faculty) with online mode (Faculty feedback) Manual mode (Course end survey, Degree Exit Survey, Alumni Survey, Recruiters Survey ,Guest Speaker Survey , Parents Survey) , with a periodicity (Twice in a semester, End of Every Semester , End of Eight Semester ,Once in a year , At the time of visit) Based on the feedback, corrective action will be

initiated. The rating criteria comprises of four parameters "Excellent", "Good", "Satisfactory" and "Poor". The collective rating of students? response to all questions in feedback is calculated to 100. A Letter of Appreciation is provided by the management to each and every faculty who secure more than 90 in the students? feedback, to motivate and sustain their performance. The faculties, who secure below 75 in the feedback, are advised to meet the HOD/Principal for onetoone meeting and counseling. HOD reviews the action item proposed and its implementation. The action taken against the feedback collected are verified by the IQAC audit team and tracked for the closure of remedial actions suggested. Other Feedback Systems comprises of Class Committee Meeting – CCM, Class Representative Meeting – CRM, Where CCM will be chaired by Head of the department the Participants are Students, Class Advisor Faculty. While the CCM Composes of Faculty handling respective courses, 10 students comprising of different categories of academic performance Respective Class Advisors. The periodicity of CCM will be twice a semester before internal tests , the Agenda of the meeting will be discussed on the following parameters (Discipline, Attendance, Portion Completion, Result (Internal Assessment /Anna University), Training, Industrial Visit, Concerns on Lab / Theory, courses, Faculty performance Infrastructure. CCM will end with Identifying the corrective action plan assigning the responsibility with a target date. CRM will preside over by Principal / Principal Designate the Participants are Students. While the CRM Composes of Class Representatives, the periodicity of CRM will be once in a Semester. The Agenda of the meeting will be discussed on the following parameters (Portion Completion Status, Faculty performance, Training, Concerns on Lab / Theory courses, Faculty performance, Infrastructure). CRM will end with Identifying the corrective action plan assigning the responsibility with a target date. Suggestion Box is placed in the campus where the participants are Students they can provide feedback at any time.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	ECE	180	145	141
BE	CSE	180	168	166
BE	EEE	60	42	39
BE	CIVIL	60	16	14
BE	MECH	120	85	82
ME	Engineering Design	18	3	3
ME	CSE	18	4	4
ME	VLSI Design	18	2	2
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution	Number of fulltime teachers available in the institution	Number of teachers teaching both UG and PG courses

2018	441	10	138	9	147

teaching only UG courses | teaching only PG courses (column headers above)

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
147	147	6	60	60	6
[View File of ICT Tools and resources](#)					
[View File of E-resources and techniques used](#)					

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

15 Minutes Activity: Student Mentoring is carried out for all four year students. Student mentor are identified by placement department based on the Language fluency. Two student mentors are allotted for each class they will perform activity such as role play, news paper reading, technical talk, Group discussion etc., which help to improve the communication of students. Tutor Ward Hour: Students are mentored in tutor ward hour which is planned one hour in every week. Every student in a class has a mentor who monitors his/her wards academic and personal problems. A class will be subdivided into 3 groups (Not maximum of 20 students) which are allotted to a faculty. Tutor ward report is being maintained.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2128	147	1:14

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
9	9	0	9	4

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. H. Anandakumar	Associate Professor	EAI Fellow Member
2019	Dr. H. Anandakumar	Associate Professor	Associate Editor IEEE Access
2019	Dr. H. Anandakumar	Associate Professor	Editor in chief – Inderscience IJISC
2019	Dr. H. Anandakumar	Associate Professor	Anna University PhD Supervisor
2019	Dr.S.Venkatesh	Associate Professor	Best Reviewing Award,JAS,Elsevier
2019	Dr.R.Sureshkumar	Professor	Recognition Certificate for

2019	Mr.S.Balasubramani	Associate Professor	Recognition Certificate for journal publication ,SECE,Coimbatore.
2019	Dr.S.Ganeshkumar	Associate Professor	Recognition Certificate for journal Book public ation,SECE,Coimbato re.
2019	Dr.T.Ramakrishnan	Associate Professor	Recognition Certificate for journal Book public ation,SECE,Coimbato re.

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	104	I/I	11/01/2019	18/02/2019
BE	104	III/II	15/11/2018	14/01/2019
BE	104	V/III	29/11/2018	14/01/2019
BE	104	VII/IV	29/11/2018	14/01/2019
BE	104	II/I	18/05/2019	23/06/2019
BE	104	IV/II	22/05/2019	23/06/2019
BE	104	VI/III	04/05/2019	23/06/2019
BE	104	VIII/IV	29/04/2019	23/06/2019
BE	105	I/I	11/01/2019	18/02/2019
BE	105	III/II	15/11/2018	14/01/2019

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Continuous Internal assessments are planned as per the academic calendar. Two sets of question papers prepared by the subject handling faculty are verified by the course coordinator and HoD. The same has been submitted to exam cell for further process. Either Set A or Set B question paper chosen by the chief superintendent is used for conducting the internal test. Bloom's Taxonomy keywords are incorporated while setting the question papers. All the 5 course outcomes are given equal weightage while preparing the question paper. Information on the conduction and evaluation of internal tests Students are informed about the internal test dates through academic calendar and circular. The evaluation process is explained to them by the respective subject handling faculty members. Centralized Evaluation for Continuous Internal Tests Student's performance in internal tests are evaluated in centralized manner as arranged by the college exam cell. Evaluation is completed in a span of two days for

each subject. After paper evaluation, the answer scripts are distributed to students and answers are discussed in the class room. Final mark will be uploaded after student authorised his/her mark in the answer script. Intimation to parents about the internal test performance All the parents are informed about their ward's performance in each internal test through SMS. Head of the department conducts result analysis meeting after the end of each internal test. Remedial Classes Based on the result analysis meeting discussion, the remedial classes are planned and conducted for the subjects in which the pass percentage is found to be less.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Academic calendar is prepared by Overall academic in charge of the college. Calendar is formulated with the consideration of working days from reopening date to the last working date. With the total number of working days, three continuous internal assessments are planned. Academic calendar also provided with planning of all activates like student feedback, Mini project presentation, HoD's meeting, Commencement of end semester examination and Class representative meeting. In the formation of academic calendar four IQAC audits are plan to check the periodic mentoring of academic performance. The academic calendar is disseminated to the students through Impres ERP and Notice board.

2.6 – Student Performance and Learning Outcomes

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

https://sece.ac.in/computer-science-engineering/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
408	ME	Engineering Design	3	3	100
419	ME	VLSI Design	2	1	50
405	ME	CSE	5	5	100
103	BE	CIVIL	67	51	76.12
114	BE	MECH	139	99	71.20
105	BE	EEE	53	45	85
104	BE	CSE	167	134	80
106	BE	ECE	175	129	73.71
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2.7 – Student Satisfaction Survey

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

https://sece.ac.in/wp-content/uploads/2020/02/nacc-Feedback-sample-2018-19.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Projects sponsored by the University	365	SECE/IEDC	0.6	0.6
Projects sponsored by the University	365	Sri Eshwar College of Engineering	2.8	2.8
Industry sponsored Projects	730	R.P.P Infra Project Ltd, Erode	1.28	0.75
Industry sponsored Projects	730	Dyers of Association, Tirupur	1	1
Major Projects	60	UBA	0.5	0.5
Major Projects	1095	DST-SERB	16.06	4.68
Major Projects	365	IEDC	1	1
Major Projects	1095	DST-SERB	25	3
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Basics of Servo Systems	Electrical and Electronics Engineering	22/06/2018
Development of Embedded Technology	Electrical and Electronics Engineering	10/08/2018
Recent trends in Automobile Industry	Electrical and Electronics Engineering	10/08/2018
Networking	Electrical and Electronics Engineering	14/07/2018
Recent trends in Industrial Applications	Electrical and Electronics Engineering	11/08/2018
Electronics Industry applications	Electrical and Electronics Engineering	11/08/2018
Engineering developments in Industries	Electrical and Electronics Engineering	11/08/2018
Advanced Robot Training	Electrical and Electronics Engineering	22/02/2019

Workshop: Lean Manufacturing	Mechanical Engineering	14/07/2018
Workshop: Gokart and Ekart Art to Part	Mechanical Engineering	05/10/2018
Workshop: Heat Ventilation Air conditioning Refrigeration	Mechanical Engineering	14/03/2019
Workshop: Rapid Prototyping	Mechanical Engineering	11/01/2019
Seminar: INDUSTRY 4.0 Relevance of Mechanical Engineers	Mechanical Engineering	10/08/2018
Seminar: Advanced Manufacturing Process	Mechanical Engineering	02/08/2018
Organic Agriculture in India Points the Way to Sustainable Agriculture	Physics	16/02/2019

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Cadd Quest - Technomeet19	Manojkumar .S	Pollachi Institute of Engineering and Technology	22/02/2019	First place
Mr.Mechanic - udhayam	Ramkumar.G , Nidhin Gilferd J	Kalaingnarkar unanidhi Institute of Technology	08/03/2019	First place
IndianKarting Championship Season 3	Dhanya Priyadharshan .S , Deepak .P , Elangovan K , Dhanushkrishna .T , Balaji.S , Dinesh .A , Mohamed Javeed .M , Mohan Arvind K , Fredric Prem .W, Kavibharathi .K , Pradeep S , Dharanidharan D	Nexus Motorsports	14/02/2019	4 th position in acceleration test, virtuals over all ranking - 34, final event over all ranking - 30 out of 138 team across india
EUREKA - KRIYA 2k19	Depak Chakkar avarthy.R , Balaji K , Mohan Jeet M , Jayant .V	PSG College of Technology	23/02/2019	First place
Project presentation - mequest19	Nikhil Prasath N , Navaneethan .R , Pradeep .G	Sri Ramakrishna Engineering College	27/02/2019	First place

Bharat formula Karting Championship	Dhanya Priyadharshan .S , Deepak .P , Elangovan K , Dhanushkrishna .T , Balaji.S , Dinesh .A , Mohamed Javeed .M , Mohan Arvind K , Fredric Prem .W , Kavibharathi .K , Pradeep S , Dharanidharan D	Cadd Technologies	28/02/2019	Overall 7th position in virtuals and 22nd overall standings across india
Engine dismantling assembling - asthraa 2019	Elangovan K , Fredric Prem .W , Kavibharathi .K	Karpagam Academy of Higher Education	19/02/2019	Second prize
Mech Hunt - yukatha 2k19	Karthik.B	PSG Institute of Technology and Applied Research	13/02/2019	First Place

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Centre 1	Sri Eshwar Ignite Accelarator	Sri Eshwar College of Engineering	Swatronix Pvt.Ltd	Electronic Manufracturer	27/03/2018
Centre 2	Sri Eshwar Solar Technology Centre	Sri Eshwar College of Engineering	Aquilus	Electronic Manufracturer	04/07/2018

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
1	1	7

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
0	0

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	ECE	3	0
International	ECE	2	0

International	CSE	42	0
International	MECH	20	0.5
National	CIVIL	5	0
International	SH	7	2.9

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
ECE	0

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
A low power fuzzy logic based variable resolution ADC for wireless ECG monitoring systems	Mr.T.Thamaraimanalan	Cognitive Systems Research (Elsevier)	2018	0	Yes	0
An improved hybrid offset based min-sum decoding algorithm	Dr.R.Michaelraj Kingston	Lecture Notes in Networks and systems (Springer Nature)	2018	0	Yes	0
A Comprehensive study on Encoding Techniques in Low Density Parity Check Codes	Dr. H. A nandakumar	Journal of Advance research in dynamical control systems	2018	0	Yes	0
Social Aware Cognitive Radio Networks:	Dr. H. A nandakumar	IGI Global Pub lication	2018	2	Yes	2

Title	Author	Journal/Publisher	Year		Yes/No	
Effectiveness of Social Networks as a Strategic Tool for Organizational Business Management						
An Intelligent-Based Wavelet Classifier For Accurate Prediction Of Breast Cancer	Dr. H. Anandakumar	IGI Global Publication	2018	9	Yes	9
Survey On Big Data Analytic And Challenges To Cyber Security	Dr. H. Anandakumar	Information Technology Journal	2018	0	Yes	0
Big Data Innovation For Sustainable Cognitive Computing	Dr. H. Anandakumar	Mobile Networks And Applications / Springer	2018	0	Yes	0
A Novel Architecture To Support Treatment Of Mentally Disordered Patients With Smart phones	Dr. SVM. Bavithiraja	International Journal Of Pure And Applied Mathematics	2018	0	Yes	0
Comparative Study Of Vector Quantization In Image Compression	Mr.N.Karthikeyan	International Journal Of Engineering Technology	2018	0	Yes	0
Decision Tree Classification	Mr. K. Naveen Durai	International Journal Of	2019	0	Yes	0

– N Tier Solution For Preventing SQL	Enterprise Network Management					

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Investigation of Physico-Mechanical and Moisture Absorption Characteristics of Raw and Alkali Treated New Agave Angustifolia Marginata (AAM) Fiber	Ramakrishnan Thirumalaisamy, Sampath Pavayee Subramani	Materials Science	2018	1	5	Sri Eshwar College of Engineering
Modification of the cyclone separator geometry for improving the performance using Taguchi and CFD approach	S Venkatesh, M Sakthivel, S Sudhagar, S Ajith Arul Daniel	Particulate Science and Technology	2018	1	5	Sri Eshwar College of Engineering
Investigation on mechanical properties of aluminium 7075-boron carbide-coconut shell fly ash reinforced	Balasubramani Subramaniam, Balaji Natarajan, Balasubramanian Kaliyaperumal, Samson Jerold Samuel Chelladurai	China Foundry	2018	1	7	Sri Eshwar College of Engineering

hybrid metal matrix composites						
Existence results of Hilfer integro-differential equations with fractional order	E. Babu R. Suresh N. Valliammal K. Jothimani	Oriental Journal of Chemistry	2018	3	40	Sri Eshwar College of Engineering
Electrochemical Features of Symmetric and Asymmetric Supercapacitors Based on Nanostructured Mn-CuO Electrodes.	E. Babu R. Suresh N. Valliammal K. Jothimani	Discrete Continuous Dynamical Systems-S	2018	3	40	Sri Eshwar College of Engineering
New results on exact controllability of a class of fractional neutral integro-differential systems with state-dependent delay in Banach spaces.	E. Babu R. Suresh N. Valliammal K. Jothimani	Journal of the Franklin Institute	2018	3	40	Sri Eshwar College of Engineering
Unravelling the aggregation induced emission enhancement in Tris (4, 7-diphenyl-1, 10-phenanthroline) ruthenium	E. Babu R. Suresh N. Valliammal K. Jothimani	Inorganic Chemistry Communications	2018	3	40	Sri Eshwar College of Engineering

(II) complex.						
Transition metal complexes based aptamers as optical diagnostic tools for disease proteins and biomolecules.	E. Babu R. Suresh N. Valliammal K. Jothimani	Coordination Chemistry Reviews	2018	3	40	Sri Eshwar College of Engineering
Simulation and implementation design of multi-mode decoder for Wi-MAX and WLAN Applications	Dr.R.Michaelraj Kingston	Measurement (ELSEVIER)	2018	1	1	Sri Eshwar College of Engineering

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	3	14	9	11
Presented papers	4	3	0	0
Resource persons	0	8	2	3

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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Rain water way activity to the planted trees	NSS	1	25
NSS Day Celebration	NSS	1	25
Road Rally on Road Safety	NSS	1	25
Tree Plantation	NSS	4	100

project carried out around Kinathukadavu, Coimbatore			
Cleaning of Plastic Bags and Watering of Trees around Kinathukadavu	NSS	4	100
Road Safety" at Kinathukadavu with the help of Kinathukadavu Police Team	NSS	4	100
An awareness programme on "Water Conservation" was held at Vadasithur Village Panchayath	NSS	4	100
Road Maintenance work at Kinathukadavu, Coimbatore	NSS	4	100
NSS Activities carried out in and around Kinathukadavu	NSS	4	100
Awareness Programme on Rain water Harvesting	NSS	4	100

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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Unnat Bharat Abhiyan	Out of 2200 participating institutions, 50 institutions got selected and awarded Rs.1 Lakh. Our institution is one among 50.	MHRD	10

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
UBA	Sri Eshwar College of	Village survey and	4	120

	Engineering Messer India	household survey at Kothavadi village, Coimbatore, TamilNadu		
UBA	Sri Eshwar College of Engineering	Activity Planning Workshop at IIT Madras	2	0
UBA	Sri Eshwar College of Engineering Messer India	72nd Independence day celebration at kothavadi village, Coimbatore, TamilNadu	4	10
UBA	Sri Eshwar College of Engineering Messer India	Yoga demonstration to Kothavadi school students	4	2
UBA	Sri Eshwar College of Engineering Messer India	Active participation in Grama Sabha at Kothavadi village, Coimbatore, TamilNadu	2	2
UBA	Sri Eshwar College of Engineering Messer India	Plastic awareness camp at Kothavadi	2	10
UBA	Sri Eshwar College of Engineering Messer India	Yoga training session to Kothavadi school students	1	1
UBA	Sri Eshwar College of Engineering Messer India	Communication skill development program to school students	1	6
UBA	Sri Eshwar College of Engineering Messer India	Plastic awareness camp at Kothavadi, Coimbatore	2	10
UBA	Sri Eshwar College of Engineering Messer India	Siruthuli-Kothavadi lake project-orientation program	4	10
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Faculty Enablement program	V.Naveenprabhu S.venkatesh	Institution	45
Faculty Enablement program	M.Gokulraj P.Arunachalam	Institution	30
Faculty Enablement program	P.Tirupathi S.Dharanikumar	Institution	30
Faculty Enablement program	S.Balasubramani T.Ramakarshnan	Institution	5
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Placement	Internship	Coviam	01/08/2018	29/03/2019	Abbiraami. P,Vinothini. B,,Soundhari ya.R.S
Placement	Internship	Capgemini	26/12/2018	27/03/2019	Abirami.M Lavanya A Pradeep S Preethi J Ramya.J Srim adhumitha.S Vinisha Sangeetha.M Sangeetha.J
Placement	Internship	Chargebee	18/12/2018	27/03/2019	Ajeet Kumar Vidhya.M
Placement	Internship	Broadridge	19/12/2018	29/03/2019	Akash.B.S
Placement	Internship	Amazon	24/09/2018	29/03/2019	Arunkumar .K
Placement	Internship	Trimble	03/09/2018	29/03/2019	Aswin.V.A
Placement	Internship	Zoho	19/12/2018	29/03/2019	Hariprasanth S Narmadha V Navaneethakr ishnan S M P riyadharshin i P Ramanan.R Raj Kumar.S Vishali Lakshmi.B Ya

					shwanth.C.B
Placement	Internship	Amphisoft	18/12/2018	29/03/2019	Anusuya .R Arunkumar R Charan Raj.S Devamuthukum ar T Gokul Prasanth .R Gughan.A Suryan Saravanan
Placement	Internship	Ducen IT	18/12/2018	29/03/2019	Abenaya P Ayshwarya Nandhini R
Placement	Internship	Chainsys	18/01/2019	21/03/2019	Ajaykumar R Aravind H Bala Narayanan S Gokul Balaji
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Aspire Systems	21/12/2018	Aspire Systems may as mutually agreed from time to time, provide lnstitution with certain material and collaterals and lnstitution shall use the materials under the guidance of Aspire Systems and only for the purposes of this MoU. lf requested by lns	22
Google Developers Group, Coimbatore	27/12/2018	1. To provide Support in conducting Training and Mentoring programs for the Students, Professors and Incubates at the Start-up Accelerator of SECE 2. To facilitate sponsorship for Technical events (Branding and Goodies) 3. To	15

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
45	35.5

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Newly Added
Laboratories	Newly Added
Class rooms	Newly Added
Campus Area	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
ERP OPAC	Partially	9	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	17672	1119436	122	47542	17794	1166978
Reference Books	3028	7593806	0	0	3028	7593806
e-Books	1018	0	0	0	1018	0
Journals	151	424490	98	291251	249	715741
e-Journals	934	678738	0	0	934	678738
Digital Database	186	50000	0	0	186	50000

CD & Video	2065	0	31	0	2096	0

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.S.Ganeshkumar	How to Draw Hyperbola	Youtube	08/04/2019

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1262	990	0	30	30	20	108	143	84
Added	0	0	0	0	0	0	0	0	0
Total	1262	990	0	30	30	20	108	143	84

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

143 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Learning Resource	https://drive.google.com/drive/folders/1T85bt6-aZRp5a4ZaKhTRq1W6WnV6g7x3?usp=sharing

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
30.3	28.7	6	5.5

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

The published procedures and policies of the institution is available in the college website (https://www.sece.ac.in/pdf/Policiesrulesandregulations.pdf) . Published policy book is also available in the library and department offices. The following are the contents which is available in our policy book. S.No Description 1 Vision 2 Mission 3 Quality Policy 4 Admission Policy 5 General Rules and Regulations 6 Laboratory Rules 7 Examination Instructions to Students

8 Hostel Rules and Regulations 9 Library informations, Rules and Regulations 10 Anti Ragging 11 College transport rules 12 Recruitment policy 13 Joining formalities 14 Induction Policy 15 Contract of Employment 16 Probation Policy 17 Employee Compensation and Benefit Policy 18 Performance Management System 19 Employee Growth and Development Policy 20 Resignation Policy 21 Employee Termination 22 Faculty Development Program 23 Workshop 24 Guest Lecture/Seminar/ Webinar 25 Value Added Course 26 Visiting Faculty Policy 27 Industrial Visit/Internship Policy 28 Training Policy 29 Examinations Policy 30 Higher Education Cell Policy 31 Placement Policy 32 Deputation policy 33 Budget 34 Purchase Policy 35 Financial Policy 36 Industry – Institute Partnership Cell Policy 37 Research, Consultancy, Extension and Collaboration Activities 38 Entrepreneurship Development Cell Policy 39 Grievance and Redressal Cell Policy 40 Women's Welfare Committee Policy 41 Physical Education Policy 42 Alumni Cell Policy 43 Student Welfare 44 Teaching Learning Process

https://sece.ac.in/wp-content/uploads/2022/04/Policies.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Scholarship	554	17616151
Financial Support from Other Sources			
a) National	0	0	0
b)International	0	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Bridge courses	25/07/2018	241	SECE Faculty
Orientation Programme	24/08/2018	442	S. Mohana Sundaram, Trainer –B2K group of companies
Orientation Programme	27/08/2018	442	Dr.Baskar, KCT, Cbe.
Orientation Programme	28/08/2018	442	Mr. Pradeep Yuvaraj, CEO, Prezantim Dr. G. Subramanian, Professor, Govt. Arts College. Cbe.
Orientation Programme	29/08/2018	442	Deepa Srinivasan, International Education Specialists
Orientation Programme	04/09/2018	442	Jayaprakash Gandhi,

			Correspondent, Mcgan's School of Architecture.
Motivational Programme	07/09/2018	442	Sriram Santosh, Trainer, Mr.Brainius.Chennai
Soft Skill Development	02/07/2018	605	SECE Placement
Mentoring	02/07/2018	2128	SECE Faculty
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Coaching in Higher Education Cell- Management bears 50 of the fees for coaching	8	1	0	0
2019	Higher Studies Guidance Program	4	48	0	43
2019	GATE Coaching by GATE Forum, Coimbatore – Management bears 50% of the fees for coaching	89	35	0	33
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed

| Amazon, Amphisoft Tech, Aspire System, Capgemini etc. | 553 | 414 | Exterro | 244 | 25 |

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	1	BE	Mech	University of Regina - Canada	Master of Applied Science
2018	1	BE	Mech	University of Regina - Canada	Master of Applied Science
2018	1	BE	EEE	Anna University-Guindy	ME Control & Instrumentation Engg.
2018	1	BE	EEE	PSG College of Technology,	ME Applied Electronics
2018	1	BE	CSE	Sri Eshwar College of Engineering	ME CSE
2018	1	BE	ECE	Kumaraguru College of Technology	MBA
2018	1	BE	ECE	ME Communication Systems	MBA
2018	1	BE	ECE	Sri Sakthi College of Engineering and Technology	ME Communication Systems
2018	1	BE	ECE	Sri Eshwar College of Engineering	ME VLSI Design
2018	3	BE	ECE	Dr.Mahalingam College of Engineering and Technology	ME Communication Systems

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	1
Any Other	4
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Sri Eshwar Trophy	District level	600
Anna University Inter Zone Handball Tournament	State level	140
Tamilnadu state handball women championship	State level	600
Cultural Events: Institute level	Institute Level	2000
Annual Sports Day	Institute Level	1500
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Silver	National	1	Nill	72281710 6119	RAJA SURYA M A
2018	Bronze Medal	National	1	Nill	72281710 6119	Raja Surya M A
2018	Gold Medal	National	1	Nill	72281510 6125	K.A Sangavi
2018	Runner-All India Representative for Anna University	National	1	Nill	72281510 6125	K.A Sangavi
2018	3rd Place	National	3	Nill	72281510 6021, 7228 15106091, 7228151061 27	Ashwin Kumar.B, Murugesan.D , Sanjeev Kanna.G
2019	Sports(First Prize)	National	1	Nill	72281810 5029	R.Saravanan
2019	Sports(First Prize)	National	1	Nill	72281810 5029	R Saravanan
2019	Sports(First	National	1	Nill	72281810 5030	Sri Anuja A

	Prize)					
2019	Gold	National	1	Nill	72281611 4029	HARISH Gowtham P

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Students are actively involved in IEEE student branch activities. The IEEE STB new office bearers for Calender Year 2019: Venkataraman.N, III ECE – Chair, Varunraja.A, II ECE Vice Chair, Rishvana.M, II ECE – Secretary, Rudhra Prakash.S, II ECE Joint Secretary, Vignesh.G, II ECE – Treasurer. The following activities were organized by the students. Sl. No. Event Date/s Event Type Topic of the Event Resource Persons 1 16.06.2018 IEEE Madras section EXECOM Meeting IEEE EXECOM Members and STB counselors IEEE MAS Chairman 2 25.06.2018 to 30.06.2018 Value added course on PCB SECEECE Students and IEEE Members Mr.V.Anandkumar AP/ECE 3 14.07.2018 Hands on Training on Industrial Robotic ARM SECEECE Students and IEEE Members Mr.C.Mohanraj AP/EEE 4 16.08.2018 IEEE Awareness Program SECEECE Students and IEEE Members Mr.B.Shree hariharan IEEEStudent Chair 5 01.09.2018 IEEE Spectrum Technical Talk IEEE Members Mr. Venkatraman N IEEE Student MemberECE 6 19.09.2018 Hands on Training on PIC Microcontroller IEEE Members and Embedded club students of SECE Mr.M.Murugavel QTech Solution 7 03.10.2018 IEEE Day Celebration and Photography contest IEEE Student Members Dr.Sudha Mohanram PrincipalSECE 8 20.11.2018 Importance of Helmet' Camp Society Awareness SESSWA coordinators 9 27.12.2018 Hands on training on LabView and MATLAB Faculty members of ECE Dr.Michel Kingston ProfECE Mr.S.Dhanasekaran APECE 10 05.01.2019 Electra Technical Quiz Second year ECE and EEE Students IEEE Students Members 11 15.03.2019 16.03.2019 5th International Conference on Advanced Computing and Communication Systems 294 papers were presented Dr. TEO Yong Meng National University of Singapore. Dr. H. Anandakumar, Conference chair 12 27.03.2019 Seminar on Industry 4.0 and IOT SECEECE Students and IEEE Members Ms.Princy Catherine IVECEB 13 25.04.2019 IEEE Spectrum talk SECEECE Students Mr.A.Ramesh AP/ECE 14 28.06.2019 IEEE Spectrum talk IEEE Members Mr.V.Mathiazhalagan APECE 15 03.07.2019 to 06.07.2019 Training camp on RC Aircraft 48 SECE student and 16 IEEE student members Mr.E.Venugopal AP/ECE 16 25.07.2019 Makeathon –IOT Design Challenge 107 External Participants Mr.Thirumoorthy and Mr.Balasubramanian Bahwan Cyber Tek, Chennai. 17 26.08.2019 27.08.2019 Workshop on Routing and Switching Concepts in Data Communication and Networking 27 External participants, 28 SECEECE students and IEEE members Dr.V.Jayaprakasan, Board of GovernorIEEEPSES Mr.V.Tamilkumaran, Lead Engineer, CSS Corp, Chennai. Student Placement Coordinator S.No Name Roll No Department 1 Abbiraami.P 15CS002 CSE A 2 Deva Muthu Kumar T 15CS029 CSE A 3 Anusuya R 15CS010 CSE A 4 Istheyak.N 15CS050 CSE B 5 Prakash.R 15CS107 CSE B 6 Pavithra.R 15CS104 CSE B 7 Robin Rathaya.J 15CS130 CSE C 8 Vidhya.M 15CS163 CSE C 9 Priya.M 15EE033 EEE 10 Naveen Prasad.P 15EE029 EEE 11 Somiya.D 15EE045 EEE 12 Dinesh.S 15EC031 ECE A 13 Akeem A 15EC008 ECE A 14 Kanusiya Devi.T 15EC055 ECE A 15 Lavanya.S 15EC068 ECE B 16 Prasanna.V 15EC103 ECE B 17 Vimal Chandar.M 15EC170 ECE C 18 Swathikha.M 15EC158 ECE C 19 Sharon Richaa.J 15EC140 ECE C 20 Brindha.A.S 15CE009 CIVIL 21 Santhosh.R 15CE043 CIVIL 22 Anish Kumar.M 15CE043 MECH A 23 Atheeswaramani.A 15ME019 MECH A 24 Yagesh.G 15ME121 MECH B 25 Vignesh Kavin.S 15ME112 MECH B

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The 6th Alumni Meet was held on 5.8.2018 and it was well planned by the college Alumni Association. Shri.R.Rajaram, Director of the College preside the

meeting, Dr.Sudha Mohanram, Principal and office bearers of the SECE Alumni Association were the Guest of Honor. President of Alumni Association welcome the gathering also shares unique state of the growth of institution and its achievements /awards in the 201819. Thus the alumni association activity report of the 201819 submitted by the President. Moreover, he was wishing all alumni to render ideas and supports to strengthen the association. Report on Association activities during 201718 1. Alumni website is updated with database and login credentials. Your profile can be updated, password can be changed, Birth day information can be obtained, chatting can be done, newsletters are available etc. 2. eNewsletters are released, in the month of JULY, 2017 3. Sri Eshwar Alumni premier league conducted on 25th June2017 4. Alumni who came to the college and contributed a lot in the areas of Visiting faculty, Mock Interview, Jury in Innovative project expo, Guest lecture, NBA peer committee discussion etc 5. The juniors were motivated and guided by the members of alumni association. 6. Association helped the members of association in many ways like VISA process, job opportunities, placements etc. 7. Members of association inspired first year students of 20172021 batches during the induction in the month of July, 2017 by sending recorded video message and also in person. Plan of 201819 1. The members of association will update their profile with alumni website immediately and it will also be updated periodically whenever there is any change in the members' profile. 2. eNewsletter is being released once in six months. The members of association will contribute by sending the useful information like new technology, interview tips, your experience etc. Those information can be sent to alumnioffice@sece.ac.in 3. Guest Lectures will be given through webinar mode to our juniors. Those who are interested leave your information with topic, date and time to alumni office. The alumni office will make necessary arrangements. 4. Like last year, support will be given on visiting faculty, mock interview, Jury, Guest Lectures, Project mentors, industry visit for juniors. 5. One association chapter will be established in foreign country. 6. The chapter meeting will be conducted at Chennai, Bangalore, Cochin and Coimbatore. 7. Next alumni meet will be conducted in first Sunday of August,2019 8. Telegrams like whatsapp are created and request you to member of the same. It will support the maximum of 10000 members. Fun games such as Air Blows, Balloon pyramid, Puddle Jumper, Multiple bouncer, Balloon blast, Balloon train, Cup connector, Spoon Fog, Face the Cookies, Cup collection will be organized as an activities. Also sports events indoor and outdoor Carom, Chess Cricket, Volleyball, Hit the Pot and Tug of war

5.4.2 – No. of enrolled Alumni:

3609

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni meet conducted at 5.8.18 at the College Alumni Sports event conducted on 5.8.18 at the College Innovative Project Expo conducted with the association of Alumni on 2.2.19 Alumni participated in the NBA Committee visit on 24th February 2018. Alumni conducted Mock Interview for existing students on various days during the year 201819 Alumni gave guest lecturers to the exiting students on various days during the year 201819 Alumni participated in Academic Advisory Council Meeting on 23.06.2018

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

1 HODs are given financial power for Rs 25,000/ per semester to meet incidental expenses of the department 2 Every department assigned with Exam cell co coordinator for smooth conduct of Internal and External theory and practical examinations Faculty members are given industrial training based on their subject expertise and curriculum requirements

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	• Curriculum gap identification • Goals and objectives on chosen subjects or area • Educational Strategies on chosen subjects like value added course • Implementation value added course o Introduction of curriculum o Administration of curriculum o Refinement of curriculum • Evaluation and feedback o Individual evaluation o Program evaluation o Finding of outcome • Departments introduce new electives in emerging areas on a regular basis as per current and projected needs. • Seminars/Group Discussions/Presentations are highly encouraged • Enrichment courses to support regular academic courses • Soft skills training programme for final year UG and PG students • Cultural education classes to inculcate social, ethical and moral values • Individual departments have customized ways of gathering additional feedback (alumni, employers, etc.).
Examination and Evaluation	All the Semester Examinations are conducted under the supervision of the Controller of Examinations headed by the Deputy/Assistant Controller of Examinations. The centralized paper evaluation is undertaken in the office of the Exam Control Division itself and the results are declared after the approval of the concerned evaluation committee of the college. Some of the features include: • The examination schedule like date of examination for each course, invigilation duty is prepared well in advance and communicated to the students, faculty and other Institution. • The question paper setting and scrutiny of the

	question papers will be done by the external faculty members having expertise in the specific domain. • At the time of examination, 50 of the faculty will be called from the other Institution for invigilation duty • The end semester papers are evaluated by the external faculty members from various reputed Institution. The examination is conducted for 100 marks for each course. • The Controller of Examination (COE) module is used for examination process through Impres ERP. • Monitoring the performance of the students by means of Internal Exams, End Semester Exams, and Continuous Evaluation • We have appointed two to three of our faculty members from each department as an Internal Controller of Examination to regulate our Examination process better. • Detailed Answer key for valuation is being prepared and provided 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 • Declaration of Results and conducting supplementary / arrear examination for failed students • Automation of the Examination Cell to ensure timely declaration of results to keep the Academic calendar on schedule.
Research and Development	• The objective of the Research and Development Cell varies from the advancement of Theoretical knowledge to development of New Technology to solve societal problems. • As RD is an integral part of our Institute from the academic year 201617, the Faculty members and Students are encouraged to present and publish papers in national and International Seminars, Conferences and Journals. All the Departments are also take different Research Projects from time to time. • In addition, Consultancy projects are undergoing in the Institution. • Technology Business Incubator is created to identify and nurture the significant Innovative

	ideas and projects that can be developed and scaled to the next level of operation, so as to get a Patent. • The Research projects have also acted as the training ground for the young PostGraduates of our College. • Student Research Projects are included in the curriculum as partial fulfilment of the PG courses. • The college Library has subscribed National/International ejournals in various subjects and ICT facility which can be assessed 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.
Library, ICT and Physical Infrastructure / Instrumentation	Library, ICT and Physical Infrastructure / Instrumentation The Institution had provided all infrastructures which in turn provide a 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, ebooks, and ejournals. The students are provided with a library period in their weekly time table in order to enhance 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 hour. Every year Central library is added with new books and journals. The ICT facilities deployed in the library includes the following: • OPAC (Online Public Access Catalog) • Electronic Resource Management Package for ejournals • Inhouse remote access to epublications • Library Automation Software. 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's. Department has individual LCD projector, system with internet connection. Classrooms, Seminar Halls and Conference Rooms are equipped with Computers and Video Projectors. • Round

	the clock internet connectivity with 80 Mbps (leased line) speed both for staff and students. • WiFi connectivity is also provided to the staff members students. Sports Cultural facilities • Health and fitness classes started for First Semester Students (New) • Professional trainers were inducted to provide training to the teams participating in major events/ competitions • Separate Basketball court and Volley court are available • New Musical instruments for Cultural Forum • Upgraded gym facilities
Human Resource Management	• Being an Educational Institution, Faculty is the main Human Resource. • The management assesses adequate human power requirement. • Induction training is conducted for new faculty members • Quality enhancement measures like deputing to Faculty development programmes in subject and capacity building domains etc., • Organizing Industrial/Developmental Training Programme and Workshops/Seminars for enhancing the multiskills of Faculty members. • In addition, 1hr training is provided every week to all the faculties on different methods in teaching and learning process. • Annual assessment of faculty is done through Faculty SelfAppraisal Proforma (SAP) for Professors, Associate Professors and Assistant Professors. SECE HRM encompasses ? Payroll ? Time and Attendance ? Performance record
Industry Interaction / Collaboration	• The Industry Institute Interaction cell is headed by a dedicated Director – IT having 25 years of Industry experience. Every year Industry Institute Interaction Cell is conducting 2 day Flagship event in the name of `Industry Connect` for the benefit of the student community across the state. There are about 40 eminent speakers called from various Industries across and they are motivating, encouraging and discussing with the students about emerging technologies, how to be industry ready and expectation of Industry from the employee. Every year Institution is spending a Crore for this event and also the cell is coordinating with the department for having strong relationship with the Industry through signing MOU and conducting various

seminars, workshops, Conference, Paper publications, Faculty training and Industrial visits. Industry connect was conducted on 10.8.2018 to 11.8.2019 during the academic year 201819 and more than 10000 students were benefited across. • Interaction with the Industry is done by conducting Governing Council meeting, 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 the knowledge in their 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, Carrier 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 IndustryAcademia 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 inplant 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.
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. • Academic research • Guest lecturers • Field trips and lab lectures • Mentoring • Tutorial teaching • Problem based learning, Pre placement training, Interactive learning, collaborative learning, Flipped class session • 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, PPT's , 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.
Admission of Students	• The admissions of the students are strictly followed as per rules and regulation based on the Government of Tamil Nadu and AICTE norms. • Admissions are done through regular counselling and management quota. • For management quota students an online entrance test will be conducted ensuring quality students joining the institution • 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

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

E-governace area	Details
Finance and Accounts	The Institution implemented Impres ERP from the year 2011 through the vendor Subhiksham Software Solutions Private Limited, Coimbatore for entire

	institution operations like planning and Development, Administration, Finance and Accounts, Students admission and support Examination.
Student Admission and Support	The Institution implemented Impres ERP from the year 2011 through the vendor Subhiksham Software Solutions Private Limited, Coimbatore for entire institution operations like planning and Development, Administration, Finance and Accounts, Students admission and support Examination.
Examination	The Institution implemented Impres ERP from the year 2011 through the vendor Subhiksham Software Solutions Private Limited, Coimbatore for entire institution operations like planning and Development, Administration, Finance and Accounts, Students admission and support Examination.
Planning and Development	The Institution implemented Impres ERP from the year 2011 through the vendor Subhiksham Software Solutions Private Limited, Coimbatore for entire institution operations like planning and Development, Administration, Finance and Accounts, Students admission and support Examination.
Administration	The Institution implemented Impres ERP from the year 2011 through the vendor Subhiksham Software Solutions Private Limited, Coimbatore for entire institution operations like planning and Development, Administration, Finance and Accounts, Students admission and support Examination.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Mr.Ramesh .A	Training – IoT and Android Application Development (15.12.18 to 20.01.19)	NA	10000
2018	Mr.Ramesh .A Mr.M.Vivekkumar	Faculty Enablement Programme on IoT(28.4.18 to 22.6.18)	NA	20000

Year	Name	Title	Organization	Amount
2018	Mr.M.Vivekkumar	Advanced IoT and Rasberry Pi	NA	10000
2018	Mr.Ramesh .A Mr.M.Vivekkumar	Leadership programme on Entrepreneurship.	NA	20000
2018	Mr.Permkumar.R Mr.Sheikameer Batcha Mr.Anbarasu.P	Two days National Level Workshop on"Art of Writing a Report, Research Paper Thesis"	IETE	1400
2019	Ms. Sri Sangeetha.R	One day National Level Workshop on "Emerging Trends in Battery energy Storage for E-Moblility Its Importance in India"	Ministry of Power, Government of India.	625
2018	Ms.Pushpalatha.N Ms.Sri Sangeetha.R	Development Programme for Power System Hardware Lab	NA	2000
2018	Mr.Anbarasu.P	One week FDP on "Applied Soft Computing : Theory and Practice"	TEQIP-III	2000
2019	S.Dharani Kumar	Real Time Modeling, Simulation, Verification And Validation Of Engineering Problems Using Cae	NA	1500
2019	Sathish K	Real Time Modeling, Simulation, Verification And Validation Of Engineering Problems Using Cae	NA	1500
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development	Title of the administrative training	From date	To Date	Number of participants (Teaching	Number of participants (non-teaching

	programme organised for teaching staff	programme organised for non-teaching staff			staff)	staff)
2018	FDP on Skill Enhancement Program on Recent Trends In EDA	Nill	29/06/2018	10/12/2018	29	Nill
2018	FDP on Mat lab and its Applications	Nill	25/06/2018	29/06/2018	29	Nill
2018	Research Seminar on Future Trends in Engineering Education and Research	Nill	13/08/2018	13/08/2018	12	Nill
2019	One day hands on workshop on "NBA"	Nill	25/03/2019	27/03/2019	13	Nill
2019	Energy Connect	Nill	27/02/2019	28/02/2019	13	Nill
2018	FDP on Catia	Nill	04/06/2018	08/06/2018	8	Nill
2018	FDP on Laboratory	Nill	26/11/2018	30/11/2018	24	Nill
2019	Nill	Workshop on MS Word	11/06/2019	11/06/2019	Nill	5
2018	Python Programming	Nill	03/12/2018	08/12/2018	29	Nill
2018	Data Science and Machine Learning	Nill	12/11/2018	14/12/2018	2	Nill
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Certified Cyber Security	2	23/06/2018	24/06/2018	2

Professional				
Art Of Writing A Report, Research Paper And Thesis	2	13/08/2018	14/08/2018	2
Deep learning and Industrial Applications	2	03/08/2018	Nill	1
ALDP	1	26/09/2018	29/09/2018	4
ETL Bigdata	3	23/04/2018	01/06/2018	60
Cloud Computing	2	23/04/2018	06/06/2018	60
Devops Product Development -GITLAB	3	04/04/2018	15/05/2018	45
Full Stack Java	3	21/05/2018	25/05/2018	5
Data Analytics	2	23/04/2018	01/06/2018	60
Core Java, MEAN Stack	1	15/05/2018	05/06/2018	50

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	29	0	8

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• Transport facilities • Medical and Maternity Leave • EPF • Group Insurance • Lunch	• Surya Mithra Solar training programme • One day programme on Servicing of the lab equipments. • Transport facilities • Medical and Maternity • Leave • EPF • Group Insurance • Lunch	• Innovative project Sponsorship • Project Expo Industry Connect • Offering scholarships by the College Management to poor merit students to encourage them and to reduce their financial burden. • Students Group personal accidental Insurance • Dispensary in college campus to look after the medical needs. • Corporation Bank ATM and counter • Ever Tuesday for easy bank transactions

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Audits are conducted on regular interval. Audit reports are shared with the respective department once audit is over and they raise action taken report for the items need proposed plan for improvement and the ATR should be submitted to IQAC within 3 days. Subsequently the Action taken report will be updated within 20 days for the closure of the action items. The pending action item will be carry forwarded and monitored those items in the next audit. The action implementation will be verified by the concerned person and then the action item will be closed. Budget committee is responsible for preparing the yearly budget of the institution after consulting with the various departments and getting budget approval from the Management. Once the budget is approved and the approved budget will be shared with the departments and on regular interval the budget committee will audit the department for the effective utilization of the fund allotted. The budget committee will review the utilization report submitted by the various departments at the end of each semester for any deviations and effectiveness. The review points will be discussed in the next meeting at the time budget preparation with the various department coordinators.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Messer Cutting Systems India Pvt Ltd and External Energy Audit	2244146	UBA activity and Consultany work

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6.4.3 – Total corpus fund generated

17851000.00

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	University	Yes	IQA Team
Administrative	Yes	University	Yes	IQA Team

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Parent views on teaching and learning Discussion on Performance of the Ward by the teachers Framing and updating the feedback form

6.5.3 – Development programmes for support staff (at least three)

1.Surya Mithra Programme 2.One day Servicing Equipment Programme 3.FDP on MATLAB

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Faculty Internship with Industry 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. The faculty members were deputed to the following companies during the Internship o ElgiEquipments o Messer Cutting Systems o BahwanCyberTek o Cloud Kinetics o Syrma Technology o Amphisoft Technologies o Virtusa Software o Barry Wehmiller – Design Group 2.Student achievement The students are getting placed with high salary package in an industry. This shows that the students are performing well and knowledge level is also increased. Basically industry is ready to pay high salary for the deserved students and industry is also visiting the institution with various salary bands during the placement period. 3.Pedagogy The pedagogy session is integrated in the time table itself for all faculty members and 50 of the faculty will attend the session on every Tuesday and other 50 of the faulty will attend on Thursday. The session will be held for maximum one hour and senior professors will handle the session. The complete plan of the semester will be done at the beginning and executed the session in a proper manner. The faculty members are getting benefitted through this session as various new methods, tools, software, assessment is being taught with respect to teaching and leanring process.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Department level meeting had been conducted for maintaining quality documents	07/01/2019	07/01/2019	09/01/2019	147
2019	Periodic review and audits are conducted	04/02/2019	04/02/2019	10/04/2019	147
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Women Entrepreneurship Development Programme	20/08/2018	27/09/2018	25	0

Sponsored by NSTEDB DST, Government of India					

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

Percentage of power requirement of the College met by the renewable energy sources 1) 40 Power Requirement met Solar Ongrid System. 140 KW Solar Power Plant Has been Installed 2) College hostel hot water requirement for bathing has been met fully by Solar water Heater 3) A sewage Treatment Plant Has been Installed at College Campus , the treated water is been used for watering the lawn. 4) Street light in college campus have been powered through Solar 5) Lighting at Parking lot has been also powered through Solar Power Separate segregation of plastic and paper waste have been practiced in the Institution Energy Conservation • All the class rooms are very well ventilated with sufficient lighting, which helps in avoiding the use of fans and lights most of the times. • All the lights and fans are identified with respect to their switches. Students/Faculty are advised to switch off Lights and Fans when not required. • Awareness programs are conducted for both faculty and students on the need for energy conservation. • Time Table for Heavy Engineering Labs / Auditoriums are staggered. • Energy Audits are conducted to monitor and streamline electric power consumption. • CFL bulbs are being replaced with LED bulbs to save electricity. • Electronic chokes are used in tube lights to reduce electricity consumption. • Star rated electrical equipment such as air conditioners and water heaters are used to save on electricity consumption. • All buses have been fitted with speed governors to maintain optimum speed and to save fuel. • Water Level Indicators have been installed to automatically switch on/off the motor to save electricity and also to avoid over flowing of water from the tanks. Use of renewable energy • Solar Water Heaters are used in the Hostels and Canteen. • BioGas Plant provides required gas for cooking food in the Hostels and Amenity Centre. • SECE is in the process of installing wind mill in its campus – the feasibility study for the same has been completed. • Awareness programmes are conducted on the need to use renewable energy as much as possible.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	No	0
Ramp/Rails	No	0
Braille Software/facilities	Yes	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address	Number of initiatives taken to	Date	Duration	Name of initiative	Issues addressed	Number of participating students

	locational advantages and disadvantages	engage with and contribute to local community					and staff
2018	1	1	07/07/2018	1	Rain water way	Plantation	80
2018	1	1	15/08/2018	1	Independence Day Celebration	Social Activity	100
2018	1	1	23/08/2018	2	First Year Orientation Programme	Student Parent Awareness	141
2018	1	1	28/08/2018	1	Helmet Awareness Rally	Safety Awareness	55
2018	1	1	24/09/2018	1	Plant sampling programme	Plantation	76
2018	1	1	29/09/2018	1	Plant fencing	Plantation	72
2018	1	1	06/10/2018	1	Safety Measures Program	Safety Awareness	88
2019	1	1	25/01/2019	1	Awareness programme on Road Traffic, Road Rally on National Voters Day	Safety and Public Awareness	119

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Handbook	02/07/2018	Handbook is isssued to the students at the time of admission
Academic Calendar 201819 for all students	02/07/2018	Institution is providing 2 Academic Calendars per year for Odd and Even semesters respectively in which the schedule regarding the institutional activities, regular classes, holidays, department meetings, parents

meeting, internal assessment and the end semester dates are given in a consolidated manner. This gives a clear picture of the all the events that will be carried out during the whole academic year.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Celebration of Independence Day	15/08/2018	15/08/2018	100
Celebration of Teacher's Day	05/09/2018	05/09/2018	180
Celebration of Republic Day	15/01/2019	15/01/2019	100

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

? Energy conservation ? Use of renewable energy ? Water harvesting ? Check dam construction ? Efforts for Carbon neutrality ? Plantation ? Hazardous waste management ? Ewaste management • Planting of trees inside the campus • Use of organic fertilizers in the college garden ? Manufacturing of Vermi compost inside college campus Energy Conservation • All the class rooms are very well ventilated with sufficient lighting, which helps in avoiding the use of fans and lights most of the times. • All the lights and fans are identified with respect to their switches. Students/Faculty are advised to switch off lights and fans when not required. • Awareness programmes are conducted for both faculty and students on the need for energy conservation. • Time Table for Heavy Engineering Labs / Auditoriums are staggered. • Energy Audits are conducted to monitor and streamline electric power consumption. • CFL bulbs are being replaced with LED bulbs to save electricity. • Electronic chokes are used in tube lights to reduce electricity consumption. • Star rated electrical equipment such as air conditioners and water heaters are used to save on electricity consumption. • All buses have been fitted with speed governors to maintain optimum speed and to save fuel. • Water Level Indicators have been installed to automatically switch on/off the motor to save electricity and also to avoid over flowing of water from the tanks. Use of renewable energy • Solar Water Heaters are used in the Hostels and Canteen. • BioGas Plant provides required gas for cooking food in the Hostels and Amenity Centre. • SECE is in the process of installing wind mill in its campus – the feasibility study for the same has been completed. • Awareness programmes are conducted on the need to use renewable energy as much as possible. Water Harvesting • Effective rain water harvesting systems have been established across the campus at 9 points, each with 60 feet depth. • Spring Loaded Press Type Water Taps have been installed in hostel to avoid potential leakage of water. • Waste water treatment plant is in place and the treated water is recycled and used in drip irrigation. Check Dam Construction • There are a couple of check dams in the neighbourhood of the campus, built by the Government which help in storing water and in turn help improve ground water level. Efforts for Carbon Neutrality • Solar Water Heaters are used in the hostels and canteen. • Solar Lamps have been installed on the roads inside the campus. • Emission Checks are done periodically on the college buses to keep emission levels under control. Plantation • About 800 trees and 6000 shrubs have been planted. • Hundreds of

coconut trees within the campus provide adequate green cover. • Campus is neatly covered with lush green landscape. Hazardous Waste Management • It is ensured that chemical waste released from the laboratories classes is disposed through the process of neutralisation.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices College has 5 active UBA teams headed by an UBA Coordinator. All 5 teams are actively engaged in several activities within college and adopted villages. Some of the activities are • Celebration of Independence day Republic day at adopted Villages • Conducting plastic awareness camp, Yoga Camp, Skill Development Program • Distribution of cloth bags to individual home in adopted villages • Distribution of Cowl Mesh to individual toilets in adopted villages to prevent people from diseases Taking care of School Infrastructure Best Practices – 1 ERP Implementation 1. Title of the Practice – Implementation of ERP Software The major challenge with any institution is the timely availability of data for decision making purposes. To overcome this challenge, SECE has invested in an institution ERP which can be accessed both via intranet and internet. The ERP software is user friendly and comes with lot of security features. This ERP tool has been implemented for the past three years and has helped in improving the productivity of the institution. Many modules of the ERP software have been customized with the inputs from SECE and a few are listed below: Performance Module • Used to record all the activities of departments with facility to upload all the supporting documents of the activities. • Facility to capture the achievement of faculty members like journal publications, patents filed participation in workshops etc. • Feature to record performance of the students in co curricular and extracurricular activities. Academic Module • To easily compute graduation pass percentage of each batch of students. • Feature to compute semesterwise pass percentage in the 1st attempt and also the current pass percentage for all the semesters for each batch. • Compute mean CGPA of all successful students of every batch. • Generate list of students who have secured above a specified CGPA. Hostel Module • Automatic communication of hostel egate entries as SMS to parents. • Availability of data pertaining to academic performance of the hostellers. • Automatic SMS of daily hostel attendance Mess Manager to plan for food preparation. • Allocation of rooms for students of various years. Billing Module • Automatic SMS of daily fee collection to the management. • Remainder SMS to the fee defaulters. Placement Module The complete module with the • Database of potential recruiting companies • Database of students details • Database of placed, non placed and not interested students • Various comparison reports of placements with the previous years 2. Goal • The goal of the ERP software is to automate all the administrative procedures related to Academics, Student Management, Staff Management, Library Management, Hostel Management, Transport Management, HR Management and Finance Management, Visitor Entry, Collect and Store all the required data in a centralized manner for easy retrieval. With constant input provided by SECE for customization requirements, the ERP has today taken the shape of EndtoEnd Campus Management Software. • The major objective behind implementing the ERP system is to move towards a paperless office at SECE and to improve the overall productivity. • This practice was introduced during August 2011 with the above stated goals in focus and the institution witnessed a paradigm shift in the efficiency of the academic activities. 3. The Context • Effective and EndtoEnd Campus Management. 4. The Practice • The ERP software is hosted with role based access, both on internet and intranet for easy access from anywhere. • The main feature of this System is the ease of access to information regarding status of each and every student to all academic stakeholders including Director, Principal, Deans, Head of Departments, Faculty, Tutors, and Class advisors, Chairpersons of Class

Committees, Officials at the Administrative Office, Central Library Staff, Parents and Students. • The ERP system has a feature of time linebased locking of entries which forces the faculty to post all periodic entries from daily attendance, syllabus coverage, assessments marks etc. on time. • The system helps the respective process owners in quick dissemination of information. • The status of late comers, missing attendance entry, mark entry at the department level allows the HODs to undertake necessary follow up actions. • The availability of academic records, leave reasons etc. of the students help the faculty to provide proper guidance and counselling. • The ERP system has lot of features to ensure confidentiality. For each staff, their staff code and password are mandatory to log into the system and they can enter/view their: • Staff Fingerprint Biometric based attendance marking. • Online Pay Slip and Attendance/Mark entries. • Course plan, Daily attendance, Syllabus Coverage, Time Table, Mentees, Alternate Class Arrangements, Mark Entries and analysis (Staff wise / Subject wise / Student wise / Test wise). • The class advisors can generate and/or Export in Excel Format, the following reports right from their work place: i. Monthly Attendance, Cumulative Attendance, Final reports. ii. Strength report (Seat category wise / Gender wise / Community wise / Locality wise etc.) iii. University / Internal Assessment Test Result Analysis (of Pass, Range of marks, subject wise failure details, No. Of Ranks, etc.). iv. SMS alerts and Progress reports to parents (Letter /email / SMS). • OPAC search of central library, smart card based issue/return and eGate entry at the library. • Hostel Infrastructure, Room allotment, Gate Pass, Visibility of the profile of the hostellers to the wardens. • For the day scholars who avail college bus facility, their place of boarding and yearly/ halfyearly transport fee details are maintained by the ERP. • The allotted route, stage and seat number are provided in BusPass. After verification of payment only, this is issued to students. • Vehicle maintenance, Alerts for FC / License renewals, Transport Pass Issue (Stage wise), Timings at stages and SMS alerts for change in transportation. • The ERP has a Performance Module which helps the HODs to plan, execute and track the various activities of the departments. 5. Availability of Information All Stakeholders • The predominant facility of the ERP system is information dissemination to all stakeholders. However, to ensure confidentiality and maintain integrity, rolebased access controls have been provided. • The Director and Principal have access to all the modules of the software. • The HODs can view details of all students in their departments. • The Faculty members can view details of all students in the class for the courses he/she handles (both theory / laboratory). • Students can view all their respective academic performance achievements and hostel egate entries (if hostler). • Parents can also view their ward?s academic performance achievements hostel egate entries (if hostler). 6. Evidence of Success • Enormous amount of time and effort is saved by using the ERP system because of the availability of the required data at all the time. The faculty are able to spare the saved time in other productive activities. • Because of bringing in systems across the institution, SECE is able to save substantial money through optimization of various procurement activities. • Better tracking of payments to be made to the vendors is evident because of the linking of the complete chain of transactions. • Students and Parents feel comfortable with the system. • The linking between admission, fees payment, academic courses, departments, placement and examination modules of the ERP prevents unnecessary data entry, removes redundant data entry and results in saving of effort and increases accuracy of data. • Management is able to get the data on all activities of the college on real time basis from anywhere which helps in decision making process. 7. Problems Encountered and Resources Required SECE has received excellent support from the vendor of the ERP software and as such has not encountered any major problems, except nonavailability of the system owing to network issues, at times. 8. Notes – Nil Best Practice – 2 15 Minutes Activity 1. Title of the Practice – 15 Minutes Activity to enhance the soft skills of

students. • The purpose of this practice is to inculcate the habit of reading newspaper and provide increased confidence to the students in public speaking and overcoming communication related challenges. 2. Goal • The goal is to bring openness among the students towards improving the overall personality of students. Active learning engages students with content in ways that develop competencies and build skills rather than simply transferring knowledge. Students are involved in more than just listening and taking notes and are made to participate in a variety of class activities. • To prepare the students on life skills. • To improve the language and communication skills. • To enhance the leadership qualities. • To ensure Activity based learning. • To stimulate the students on critical thinking (analysis, synthesis, evaluation). • Less emphasis on transmitting information and more on developing students? skills. 3. The Context • There exists a gap between the students? skill and stakeholders? expectations. The involvement of students in daytoday activities of learning in the class, need to be ensured. • • As per NASSCOM report and the feedback of the HRs of the recruiting companies, more than 80 to 85 of the graduates are not employable for want of required skills, right temperament and needed leadership acumen. This state of affairs is due to the students? socioeconomic background, study in Tamil medium schools and nonexposure to current development. 4. The Practice • The students are instructed to bring English newspaper to the 15 minutes activity session. • Two mentors are assigned for each class to facilitate the initiative. • This programme consists of various activities such as news of the day, hint development, sharing memories, role play, book reviews, group discussion, tell about a company, management games, just a minute, debate and current affairs, CEO profile etc., to remove the barriers of the students and make them to take part actively in the class. • Words for the day, ensures that the students write at least two words with their meanings and practice them in forming sentences. It results in word power and language skill improvement. • Additional active learning practices adopted are: debate and discussion, learning by doing, quality questions, reflective activities, cooperative and team based learning, problem based learning and service learning. • To motivate the students for active participation three awards are given every month. The two mentors allotted for each class rate the students performance. • "Best presenter award" is given to the student who delivers the news effectively. • "Best Persuader award" is given to the student who performs well in the daily debate which is a part of the 15 minutes activity. • "Master Mind Award" is given to the student who excels in the Quiz programme conducted at the end of the week. 5. Evidence of Success • In each class, more than 75 of the students are actively involved in the above mentioned activities and deliberate on words of the day. New words are added to their vocabulary almost on a daily basis. • The Placement Cell has given a splendid performance of students in Campus / Off Campus interviews. Some of the students, who would have been eliminated at the entry stage itself during recruitment drive, are shortlisted in leading corporate organizations because of this initiative. 6. Problems Encountered and Resources Required Non participation by a small section of the students. Willing and capable mentors are needed which is adequately available at SECE. 7. Notes – Nil

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://sece.ac.in/wp-content/uploads/2022/04/Best-Practices-2018-19.pdf

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

In our institution we have established National service scheme and Unnat Bharat Abhiyan as a part of social responsibility to serve the Nation. NATIONAL

SERVICE SCHEME National service scheme (NSS) was established on 24.09.1969. The NSS Anna University Sri Eshwar College of Engineering started functioning from 23.01.2018. Right now there is 1 unit in our college. It consists of 150 volunteers actively participating and contributing to social services under the guidance of one Programme officer. OBJECTIVES ? To develop personality of students through community service. ? Community activities include: Cleanliness, Awareness generation, Literacy, Disease Eradication, Environment Protection, Blood donation, Monument Cleanliness, Water conservation, Disaster mitigation, etc. The following NSS Programs were conducted in the academic year 20182019: 1. Rain water way activity to the planted trees at kondampatti on 7th July 2018. 2. Independence Day Celebration on 15th August 2018. 3. First Year Orientation Programme on 23rd 24th August 2018. 4. Helmet Awareness Rally at Kinathukadavu on 28th August 2018. 5. Plant sampling programme in NSS Day Celebration on 24th September 2018. 6. Plant Fencing event at Kinathukadavu on 29th September 2018. 7. Safety Measures Programme with Kinathukadavu Police on 6th October 2018. 8. A team of 50 Students along with NSS Programme Officer were actively participated in 6 days NSS Camp from 17th Dec 2018 to 22nd Dec 2018, at Virugalpatti Pudur, Negamam. The following Activities were conducted during the camp, a. Village Cleaning, Plant Sampling, Educating the Senior Citizen, Health Camp with Karpagam Medical College, Painting on Walls, Awareness Campaign on Swachh Bharat. 9. Awareness programme on Road Traffic at Lakshmi Mills Anna Salai on 25th January 2019. 10. Road Rally on National Voters Day at Kinathukadavu on 25th January 2019. 11. Republic Day Celebration on 26th January 2019. 12. Plastic Awareness Programme at nearby villages of Vadasithur, Kondampatti, Kothavadi, Kurunallipalayam, Mandarampalayam. We provided 2000 Cloth bags for the people on 26th January 2019. UNNAT BHARAT ABHIYAN UBA Report on 15th August 2018 Unnat Bharat Abhiyan a mega program has been initiated by MHRD. In that programme Sri Eshwar College of Engineering, Coimbatore is one of the participating institute. Department of Electronics and Communication Engineering has conducted an "Awareness Programme on Tobacco" at Vadasittur, Coimbatore under Unnat Bharat Abhiyan, on 15th August , 2018. Then the government conducted the Gramsabha in that village for that Head of the Department Dr. N. Shanmugasundaram Prof./ECE and the Programme Coordinator Mr. M. Mahaboob, AP/ECE has participated to sort out the issues in that village. These are the following issues discussed and identified in Gramsabha: • Plastic need to ban in the village. • Water Scarcity need to be avoided. • Water Conservation plant need to be improved • Mosquito Abolition Awareness programme need to initiate at Vadasitur Village • Waste collecting Vehicle need to be repaired at Vadasitur Village • Plant Sampling • Need of Smart Class Rooms at Vadasitur Government Higher Secondary School Work will be initiated on priority basis in village action plan. Field task has been given.

Provide the weblink of the institution
https://sece.ac.in/wp-content/uploads/2022/04/Institution-Distinctiveness-2018-19.pdf

8.Future Plans of Actions for Next Academic Year

 1. To sign more MOU with industries to get Industry Sponsored Projects and Internship, Training of Students. 2. To start consultancy work by all the department. 3. Establishment of Energy lab 4. Establishment of Power System Hardware laboratory 5. To get permanent affiliation for Department of Mechanical Engineering. 6. To increase the intake of the students. 7. T o start the new programmes 8. To strengthen the Research and Development Cell by increasing the number of publications and patent filing and receiving funded projects and forming Research Advisory board. 9. To strengthen the International Relations by forming the International Advisory Board and signing MoU with foreign Universities.