



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	SRI ESHWAR COLLEGE OF ENGINEERING (AUTONOMOUS)
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.	9842211056
Registered Email	sece@sece.ac.in
Alternate Email	principal@sece.ac.in
Address	Kondampatti - Post Vadasithur - Via Kinathukadavu
City/Town	Coimbatore
State/UT	Tamil Nadu
Pincode	641202

2. Institutional Status					
Autonomous Status (Provide date of Conformant of Autonomous Status)		24-Jun-2019			
Type of Institution		Co-education			
Location		Rural			
Financial Status		Self financed			
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/2020/02/AQAR-2018-19.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/2021/06/Academic-Calendar-2019-20.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	

Submission of AQAR for the year 2018-19	27-Dec-2019 90	131
Pedagogy session weekly 2 hours	02-Jul-2019 30	131
Participating in NIRF	31-Jan-2020 30	2131
Academic process review	11-Jul-2019 4	131
Academic Audit	10-Aug-2019 4	131
Collection of feedback from the stakeholders, analyzing it and taking improvement action.	22-Jul-2019 4	2131
Student Leadership Council	08-Jan-2020 60	2131

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8. Provide the list of Special Status conferred 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, Electronics and Communication Engineering, Dr.R.Michaelraj Kingston	Research Project	DST-SERB	2017 3	1606000
Sri Eshwar College of Engineering, Research & Innovations Dr. G.Karuppusami	Entrepreneurship Development Institute of India (EDII), Ahmadabad sanctioned Free Entrepreneurship Awareness Camp (EAC) for SECE students	Entrepreneurship Development Institute of India (EDII)	2019 1	40000
Sri Eshwar College of Engineering, Research & Innovations Dr. G.Karuppusami	Entrepreneurship Development Institute of India (EDII), Ahmadabad sanctioned Free Women Entrepreneurship	Entrepreneurship Development Institute of India (EDII)	2019 1	200000

	Development program for external candidates			
Sri Eshwar College of Engineering, Research & Innovations Dr. G.Karuppusami	The National Science & Technology Entrepreneurship Development Board (NSTEDB) approved establishment of Innovation and Entrepreneurship Development Centre (IEDC)	The National Science & Technology Entrepreneurship Development Board (NSTEDB)	2019 1	800000
Sri Eshwar College of Engineering, Research & Innovations Dr. G.Karuppusami	Unnat Bharat Abiyan Program sanctioned by MHRD and AICTE. 5 Villages adopted and activities are being carried out. (Vadasithur, Kondampatti, Kodhavadi, Mandrampalayam and Kurunallipalayam)	Ministry of MHRD and AICTE	2019 1	100000
Sri Eshwar College of Engineering, Research & Innovations Dr. G.Karuppusami	Suryamitra Solar Training Programme sponsored by National Institute of Solar Energy (NISE), Ministry of New and Renewable Energy (MNRE), Government of India	NISE, MNRE	2019 1	998174
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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)

- Conducted stakeholders meeting
- Stakeholders' feedback reviewed
- Conduct of Academic Audit
- Review of Industry Institute Collaboration
- 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 Advisory Board	International Advisory Board is established with 12 members from various parts of the globe.
Renovation of Start-ups - Ignite Accelerator	Start Ups IGNITE Accelerator renovated with additional facilities for student entrepreneurs.
2 New programs to be introduced	Recommended B.Tech. - Artificial Intelligence and Data Science, B.E.- Computer Science and Business systems. These programs are introduced from the academic year 2020-21.
IQAC Academic Review	Monthly/Quarterly academic review conducted with various Heads.
IQAC Internal Academic Audit	IQAC conducted academic audit with the departments.
Student Leadership Council	SLC established in different verticals including Fine Arts, Media & Branding, Amenities, Boys & Girls Hostel, Discipline & Grooming, SESWA, Tamil Mandram, Learning Centre, Higher Education, Sports, EDC and Technical Clubs, All student community are getting benefitted.
Conduct the annual flagship event, Sri Eshwar Industry Connect in virtual mode owing to Covid-19 outbreak	In total 51 webinars were conducted over a period of 2-1/2 months with an average of attendance of 1500 participants per program. Speakers were senior industry experts from countries

including USA, UK, Germany and India. Cumulative participation was 75000+ from India and overseas countries.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Management	28-Aug-2020

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

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

31-Jan-2020

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description 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. • Controller of Examination • Accounts and Financial Activities • Stores, Inventory and Materials Management • Students Management System (Academic Performance, Attendance, Counselling etc.) • Staff Management System • Library Information System • Reformation System • SMS Facilities • Attendance Monitoring System • Students' Records • Evaluation and Examination procedures • Others: E - Learning Module - this provides an excellent suite of tools for the teachinglearning process, including the provision to set up question banks, conduct online exams, share teaching materials resources, host discussion forums, conduct surveys polls, generate courserelated performancereports, etc.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	104	Computer Science and Engineering	13/07/2019
BE	105	Electrical and Electronics Engineering	13/07/2019
BE	106	Electronics and Communication Engineering	13/07/2019
BE	107	Computer and Communication Engineering	13/07/2019
BE	114	Mechanical Engineering	13/07/2019
BTech	205	Information Technology	13/07/2019
ME	405	Computer Science and Engineering	13/07/2019
ME	408	Engineering Design	13/07/2019
ME	419	VLSI Design	13/07/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
Null	--	Null	--	Null
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Computer and Communication Engineering	01/08/2019
BTech	Information Technology	01/08/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer Science and Engineering	01/07/2019

BE	Electronics and Communication Engineering	01/07/2019
BE	Electrical and Electronics Engineering	01/07/2019
BE	Mechanical Engineering	01/07/2019
BE	Computer and Communication Engineering	01/08/2019
BTech	Information Technology	01/08/2019
ME	Computer Science and Engineering	01/07/2019
ME	VLSI Design	01/07/2019
ME	Engineering Design	01/07/2019

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
Android and IOT/Cloud BigData - CSE	05/12/2019	157
Programming Training -II year(CSE)	12/12/2019	166
Advanced programming and Algorithmic Training - III year(CSE)	02/12/2019	166
AUTOCAD	20/05/2019	103
CATIA	03/01/2020	43
CREO - PART MODELING	24/06/2019	115
Introduction to IoT (I ECE)	07/01/2020	111
PIC (II ECE)	05/12/2019	147
JAVA SQL (III ECE)	26/11/2019	172
Basic of Electronics and PCB Designing	24/06/2019	42
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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	Computer Science and Engineering	29
BE	Mechanical Engineering	111
BE	Electrical and Electronics Engineering	4
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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 one-to-one 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 be presided 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	Electronics	180	114	111

	and Communication Engineering			
BE	Computer Science and Engineering	180	168	165
BE	Electrical and Electronics Engineering	60	22	20
BE	Mechanical Engineering	120	44	43
BE	Computer and Communication Engineering	60	47	45
BTech	Information Technology	60	59	57
ME	Engineering Design	9	3	2
ME	Computer Science and Engineering	18	6	5
ME	VLSI Design	18	7	6
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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 teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	441	13	123	8	131

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	Number of smart classrooms	E-resources and techniques used
131	131	16	60	60	20

[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
2000	131	1:15

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
16	16	0	16	3

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, Honoured as Editor in Chief for KeAi-Elsevier IJIN Journal. International Level.	Associate Professor	KeAi- Elsevier International Publishing.
2019	Mr.S.Balasubramani	Assistant Professor	Young Scientist Organization-International Association of Research and Developed Organization (IARDO) and Gurukul Institute of Engineering Technology, Kota Place- The international centre, Goa
2019	Mr.M. Vivek Kumar	Assistant Professor	IIC Innovation Ambassador from IIC MHRD
2019	Mr.M. Vivek Kumar	Assistant Professor	Confederation of Elite Academicians of IICDC from TI DST
2019	Mr.A. Ramesh	Assistant Professor	Confederation of Elite Academicians of IICDC from TI DST

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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	107	I/I	06/12/2019	28/01/2020
BE	107	II/I	30/04/2020	23/10/2020
BTech	205	I/I	06/12/2019	28/01/2020
BTech	205	II/I	30/04/2020	23/10/2020
BE	104	III/II	22/10/2019	28/01/2020
BE	104	V/III	22/10/2019	28/01/2020
BE	104	VII/IV	22/10/2019	28/01/2020
BE	104	IV/II	20/04/2020	23/10/2020
BE	104	VI/III	20/04/2020	23/10/2020
BE	104	VIII/IV	20/04/2020	23/10/2020

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
4	1974	0.2

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/eee/>

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	2	0	0
419	ME	VLSI Design	1	1	100
405	ME	Computer Science and Engineering	4	4	100
103	BE	Civil Engineering	67	51	76.12
114	BE	Mechanical Engineering	119	119	100

105	BE	Electrical and Electronics Engineering	37	37	100
104	BE	Computer Science and Engineering	166	166	100
106	BE	Electronics and Communication Engineering	167	146	87.42
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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/2021/06/stakeholders-feedback-for-2019-20.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

No
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr.S.Venkatesh	PDF(Post Dcotoral Fellowship)- NIT ,Trichy	09/12/2019	National Institute of Technology(NIT), Trichy
National	Dr.S.Balasubramani	Young Scientist Award	18/08/2019	Organization-International Association of Research and Developed Organization (IARDO) and Gurukul Institute of Engineering Technology, Kova
International	Dr. H. Anandakumar	Editor in Chief	01/01/2020	KeAi-Elsevier International Publishing

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3.2 – Resource Mobilization for Research

3.2.1 – 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
Major Projects	1095	SERB-DST	1606000	444501
Projects sponsored by the University	90	Sri Eshwar College of Engineering	60700	60700
Any Other (Specify)	23	Mastro Lee Engineering and Management Consultancy	82000	82000
Any Other (Specify)	3	SSS Global	3450	3450
Any Other (Specify)	14	Mastro Lee Engineering and Management Consultancy	120000	120000
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

1

3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Design now (Mech) - Autodesk	Mechanical Engineering	26/07/2019
Learnathon (CSE) - Salesforce	Computer Science and Engineering	26/07/2019
Building information modelling (civil) -CADSoft and Autodesk	Civil Engineering	26/07/2019
Electronic Design Automation (EEE) - Live Wire	Electrical and Electronics Engineering	26/07/2019
Sri Eshwar Industry Connect 2019 - Industry Institute Interaction Seminar - No. of Speakers - 5	Computer Science and Engineering /Information Technology	27/07/2019
Sri Eshwar Industry Connect 2019 - Industry Institute Interaction Seminar - No. of Speakers -7	Electronics and Communication Engineering/ Electrical and Electronics Engineering	27/07/2019
Sri Eshwar Industry	Mechanical	27/07/2019

Connect 2019 - Industry Institute Interaction Seminar - No. of Speakers -8	Engineering/Civil Engineering	
Sri Eshwar Industry Connect 2019 - Industry Institute Interaction Seminar - No. of Speakers -5	Entrepreneurs	26/07/2019
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3.3.2 – 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
Institution	Dr. Sudha Mohanram	Virtusa India Pvt. Ltd., Chennai	28/11/2019	Best Collaborating Engineering Institution Award
Solar Tracking System using Refrigerant	K.Jagasirpiyan R.Venkatesh A.Vignesh	Solid works	10/08/2019	Finalist
Fabrication of Cyclone Separator for Dust Collector	Thaarani devi CK Udayakumar M.Raakesh Santhana Prabhu S.Shanketh M.Muralidharan	MSME, Govt. of India	03/03/2019	Finalist
Solar Tracking System using Refrigerant	K.Jagasirpiyan R.Venkatesh A.Vignesh K.Naveen Prasanth	KSB pumps	04/07/2019	Second prize Certificate and trophy
Smart Faucet	T. Jayaseelan L. Kavin Prabhu S. Lalith Mohan V. Naveen Kumar	KSB pumps	04/07/2019	First prize Certificate and trophy
Cotton to cloth machine	Mohan Jeet .M Deepak chakkaravarthy .R Jayant.V Balaji.K	PSG College of Technology	22/02/2020	Cash price of Rs.2000/-
Go kart	K. Mohan Arvind, K. KaviBharathi, W. Fredric Prem, P. Deepak, M. Mohamed Javeed, U. Aswath Kumar, K.R. Kavin, K. Hariharan, S.	ISNEE	14/02/2020	First prize in Fuel Economy and Endurance

Dharsan, S.
Sajeev, M. Lall

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3.3.3 – 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
1	Laser Cutting Machine	Sri Eshwar College Of Engineering	Ignite Start Up Accelerator	Complete study on Laser Technology	01/07/2019
1	3D Printing Machine	Sri Eshwar College Of Engineering	Ignite Start Up Accelerator	Complete study on 3D Printing Technology	01/07/2019
1	Mr.Vijaya Prakash	Sri Eshwar College Of Engineering	Ignite Start Up Accelerator	Entrepreneur - Branding, Software Development	01/07/2019

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electronics and Communication Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Mechanical Engineering	40	Nil
National	Electronics and Communication Engineering	13	Nil
National	Civil Engineering	5	Nil
International	Computer Science and Engineering	27	2.8
International	Mechanical Engineering	11	2.2
International	Science and Humanities	6	1.6
International	Electronics and Communication Engineering	4	2.9

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

Department	Number of Publication
Computer Science and Engineering	40
Mechanical Engineering	2
Science and Humanities	3
Electronics and Communication Engineering	3
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Emergency Vehicle Warning System And Method For Traffic Decongestion At Intersections	Published	201941053565	03/01/2020
Method For Smart Irrigation Using Wireless Internet Of Things Sensor Network	Published	202041009997	13/03/2020
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3.4.5 – 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
Cooperative Spectrum Handovers in Cognitive Radio Networks	Dr. H. A nandakumar	Springer Innovations in Communication and Computing	2019	1	Sri Eshwar College of Engineering	12
Intelligent Cognitive Radio Communications : A Detailed Approach	Dr. H. A nandakumar	Springer Innovations in Communication and Computing	2019	1	Sri Eshwar College of Engineering	1
Energy Efficient Network Selection for Cognitive Spectrum Handovers	Dr. H. A nandakumar	Springer Innovations in Communication and Computing	2019	1	Sri Eshwar College of Engineering	1

Software Radio Architecture: A Mathematical Perspective	Dr. H. A nandakumar	Springer Innovations in Communication and Computing	2019	1	Sri Eshwar College of Engineering	1
Distributed Algorithms for Learning and Cognitive Medium	Dr. H. A nandakumar	Springer Innovations in Communication and Computing	2019	1	Sri Eshwar College of Engineering	1
Supervised Machine Learning Techniques in Intelligent Network Handovers	Dr. H. A nandakumar	Springer Innovations in Communication and Computing	2019	1	Sri Eshwar College of Engineering	12
Secure Distributed Spectrum Sensing in Cognitive Radio Networks	Dr. H. A nandakumar	Springer Innovations in Communication and Computing	2019	1	Sri Eshwar College of Engineering	2
AODV Route Discovery and Route Maintenance in MANETs	Dr. H. A nandakumar	IEEE Digital Library Publication	2019	1	Sri Eshwar College of Engineering	7
Big Data Analytics for Sustainable Computing	Dr. H. A nandakumar	Springer Monet	2019	1	Sri Eshwar College of Engineering	1
Evolution, Challenges and Application of Intelligent ICT Education: An Overview	Dr. H. A nandakumar	Computer Applications in Engineering Education	2019	1	Sri Eshwar College of Engineering	12
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3.4.6 – 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
Leakage Power Reduction in Deep Submicron VLSI Circuits Using Delay-Based Power Gating	T.Thamaraimanalan	National academy science letters	2019	1	1	Sri Eshwar College of Engineering
A low power fuzzy logic based variable resolution ADC for wireless ECG monitoring systems	T.Thamaraimanalan	Cognitive Systems Research	2019	1	2	Sri Eshwar College of Engineering
Cooperative spectrum handovers in cognitive radio networks	Dr. H. A nandakumar	Springer Innovations in Communication and Computing Book series	2019	1	9	Sri Eshwar College of Engineering
Energy efficient network selection for cognitive spectrum handovers	Dr. H. A nandakumar	Springer Innovations in Communication and Computing Book series	2019	1	1	Sri Eshwar College of Engineering
Intelligent cognitive radio communications : A detailed approach	Dr. H. A nandakumar	Springer Innovations in Communication and Computing Book series	2019	1	1	Sri Eshwar College of Engineering
Distributed algorithms for	Dr. H. A nandakumar	Springer Innovations in Communication	2019	1	1	Sri Eshwar College of Engineering

learning and cognitive medium		and Computing Book series				g
Software radio architecture: A mathematical perspective	Dr. H. A nandakumar	Springer Innovations in Communication and Computing Book series	2019	1	1	Sri Eshwar College of Engineering
Dynamic spectrum handovers in cognitive radio networks	Dr. H. A nandakumar	Springer Innovations in Communication and Computing Book series	2019	1	3	Sri Eshwar College of Engineering
Green wireless communications via cognitive handover	Dr. H. A nandakumar	Springer Innovations in Communication and Computing Book series	2019	1	1	Sri Eshwar College of Engineering
Secure Distributed Spectrum Sensing in Cognitive Radio Networks	Dr. H. A nandakumar	Springer Innovations in Communication and Computing Book series	2019	1	2	Sri Eshwar College of Engineering

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	45	72	16
Presented papers	4	1	Nill	Nill
Resource persons	2	2	Nill	4

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)

Mechanical Engineering	Lean Manufacturing	Mastro Lee Engineering and Management Consultancy	82000
Mechanical Engineering	2D and 3D creation of Wall Hanging Basket	SSS Global	3450
Mechanical Engineering	HVAC	Mastro Lee Engineering and Management Consultancy	120000
Electronics and Communication Engineering	Sri Abirami Traders	Consultancy	58670
Electronics and Communication Engineering	Swatronics Pvt Ltd.	Consultancy	45700
Electrical and Electronics Engineering	Energy, Power Quality, Thermography and Electrical Safety Audit	M/s. STTAR Engineering Services	15000
Electrical and Electronics Engineering	Energy, Power Quality, Thermography and Electrical Safety Audit	M/s. PEPS Industries (P) Limited	22420
Electrical and Electronics Engineering	Energy, Power Quality, Thermography and Electrical Safety Audit	Sumika Polimer Compounds Oragadam, Kanchipuram	47200
Electrical and Electronics Engineering	Energy, Power Quality, Thermography and Electrical Safety Audit	Lucas TVS(P) Limited	93500
Electrical and Electronics Engineering	Energy, Power Quality, Thermography and Electrical Safety Audit	Eurocast Engineering	61950
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
--	-	-	Nil	Nil
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3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Yoga training session to Kothavadi school students on 21.08.2019	Unnath Bharath Abiyan Team Messer India	2	1
Cakes for School Students - 26.01.2020	Unnath Bharath Abiyan	5	50
Gram sabha meeting - 15.08.2019	Unnath Bharath Abiyan	5	15
Stationary Items provided to the School Students - 15.08.2019	Unnath Bharath Abiyan	5	50
Republic Day Celebration at School	Sri Eshwar College of Engineering and Unnath Bharath Abiyan	10	16
Republic Day 2020 program	Sri Eshwar College of Engineering and Unnath Bharath Abiyan	1	4
Kondampatti Govt. School students visit to Sri Eshwar College of Engineering	Sri Eshwar College of Engineering	2	1
Black Board Work at Kondampatti Govt. School	Sri Eshwar College of Engineering	3	0
Independence Day Program (2019)	Sri Eshwar College of Engineering and Unnath Bharath Abiyan	5	12
Rally for Water management safety and rainwater harvesting	Sri Eshwar College of Engineering and Kondampatti Panchayat	1	49

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
--	-	-	Nil
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Jal Sakthi Abiyan	Sri Eshwar College of Engineering and Kondampatti Panchayat	Rally for Water management safety and rainwater harvesting	1	49
Unnath Bharath Abiyan	Sri Eshwar College of Engineering	Independence Day Program (2019)	5	12
Unnath Bharath Abiyan	Sri Eshwar College of Engineering	Republic Day 2020 program	1	4
National Independence Day camp	Unnath Bharath Abiyan	Participated in 73rd Independence day celebration at Kodhavadi village on 15.08.2019	2	4
Green Day Celebration	Unnath Bharath Abiyan	Awareness camp on Tree plantation at Kodhavadi village	2	4
National Republic Day Camp	Unnath Bharath Abiyan	Republic day celebrations at Kodhavadi village	2	4
Grama Sabha	Unnath Bharath Abiyan	Participation of Grama Sabha at Kodhavadi village	2	4
Unnath Bharath Abiyan	Sri Eshwar College of Engineering	UBA Household survey , Plantation of saplings	2	80
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
--------------------	-------------	-----------------------------	----------

Training from Industry	Vaishnavi, Shaju, Shanmugapriya Logaprakash M Gayathiri N	Sri Eshwar College of Engineering	30
Training from Industry	Mr.R.Tiruppathi Mr.P.Arunachalam	Sri Eshwar College of Engineering	1
Training from Industry	Mr.S.Vignesh Mr.A.Vimal	Sri Eshwar College of Engineering	4
Training from Industry	Mr.F.Justin Dhiraviam Mr.S.Divya Mr.Y.Suresh Babu	Sri Eshwar College of Engineering	26
Training from Industry	Mr. B. Hemananth Mr. R. Prem Kumar Mr. S. Sheikameer Batcha Mrs. N. Pushpalatha Mr. R. Hariharan Mr. K. Raj Thilak Mr. P. Anbarasu Mr. C. Mohanraj Mrs. R. Srisangeetha Dr. W. Rajan Babu	Sri Eshwar College of Engineering	15
Training from Industry	S.Dhanasekaran A.Ramesh R.Brindha M.Mohankumar E.Venugopal V.Anandkumar V.V Terasa V.Mathiazhagan V.Parthiban	Sri Eshwar College of Engineering	5
Training from Industry	Ms.R.Brindha	Sri Eshwar College of Engineering	5
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Intern	Freshworks Block B, Global Infocity TechPark, 40, MGR Main Rd,	06/01/2020	06/06/2020	Amit Kumar

		Kodandarama Nagar, Perungudi, Chennai, Tamil Nadu 600096			
Internship	Intern	EmbedUR phase 2, 11th Floor, TICEL Bio Park ltd, No 5, CSIR Rd, Tharamani, Chennai, Tamil Nadu 600113	17/02/2020	17/05/2020	Deepak Mohan Singh
Internship	Intern	DUCEN IT 4/363 , Block-B, III Floor, Old M ahabalipuram Rd, Kandanca vadi, Chennai, Tamil Nadu 600096	20/01/2020	30/05/2020	Aishwariyaa S
Internship	Intern	Coviam Technology and services Pvt Ltd 1069, 24th Main Rd, Sector 4, HSR Layout, Bengaluru, Karnataka 560102	06/01/2020	06/07/2020	Shivani
Internship	Intern	Chain-Sys (India) Pvt Ltd. Vinayagar Koil St, Kongu Nagar Extension, Krishnaswamy Nagar, Sowripalayam Pirivu, Rama nathapuram, Tamil Nadu 641045	18/12/2019	30/05/2020	Vijay Sath yanarayanan
Internship	Intern	Chain-Sys (India) Pvt Ltd. Vinayagar Koil St,	18/12/2019	30/05/2020	Manoj A

		Kongu Nagar Extension, Krishnaswamy Nagar, Sowripalayam Pirivu, Rama nathapuram, Tamil Nadu 641045			
Internship	Intern	Chain-Sys (India) Pvt Ltd. Vinayagar Koil St, Kongu Nagar Extension, Krishnaswamy Nagar, Sowripalayam Pirivu, Rama nathapuram, Tamil Nadu 641045	18/12/2019	30/05/2020	Aishwaryaa K
Internship	Intern	Calibrant Technologies TICEL Bio Park, II Block, 5th Floor, CSIR Rd, Tharamani, Chennai, Tamil Nadu 600113	02/12/2019	30/03/2020	Hari Shankar
Internship	Intern	Amphisoft Technologies No 123, 127, Kattoor Rd, P N Palayam, Tamil Nadu 641037	05/06/2019	21/03/2020	Riswanth S
Internship	Intern	Amazon Development Centre (India) Private Limited, SP Infocity Main Street, MGR Nagar, K andancavadi, Perungudi, Chennai, Tamil Nadu 600096	23/09/2019	29/05/2020	Sampathkumar R

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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Aspire Systems	21/12/2019	To provide Industry ready Students and Providing Training to the students and completion of Projects	19
University of Malaya	19/08/2019	International Advisory Board- Dr.Sri Devi Ravana, Associate Professor, 1. Department of Information Systems, Faculty of Computer Science and Information Technology, University of Malaya has become one of the members from 26.11.2019.	1
University of Malaya	19/08/2019	33 students and 3 faculty members visited University of Malaya from 29.06.2019 to 3.7.2019.	36
University of Malaya	19/08/2019	Internship talk was initiated for a group of students during the month of Decemeber 2019. Due to corona, it was dropped	0
Infosys Limited	17/12/2019	Renewal of MoU was done on 19.12.2019 for next two years.	0
Infosys Limited	17/12/2019	2 faculty members were attended FEP on Python from 25th to 29th May 2020.	2
Infosys Limited	17/12/2019	2 sudents nominated for 3 day workshop on INFITQ from17th to 19th Feb, 2020.	2
Infosys Limited	17/12/2019	1 faculty	1

		attended TTT on INFITQ based Foundation Program from 24th to 26th Jun 2020.	
GR Industries	06/03/2020	Faculty Training Internship	6
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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
25	21.7

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
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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 partially)	Version	Year of automation
OLAP	Partially	-	2008
Impres ERP	Partially	Null	2011

4.2.2 – Library Services

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

Digital Database	186	50000	Nil	Nil	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	Learn Robotics using Arduino	Udemy	01/05/2020
Dr.S.Ganeshkumar	Technical Drawing for Engineers	Udemy	01/05/2020
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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	1050	143	60	60	20	108	143	77
Added	0	0	0	0	0	0	0	0	0
Total	1262	1050	143	60	60	20	108	143	77

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 Hub Computer Science /You Tube Channel	https://www.youtube.com/channel/UC3F1GdhmtrNUO7qOrELcVkw/videos
Learning Hub Mechanical /You Tube Channel (170 Videos Available)	https://www.youtube.com/channel/UCG7S2jF1C2TRAD-InNEW0eA/videos
Learning Hub Electronics and Communication /You Tube Channel	https://www.youtube.com/channel/UC2R1COtTwA66yYrBDU9vjkA/videos
Learning Hub Electrical and Electronics /You Tube Channel	https://www.youtube.com/channel/UCxSNsEAes4ggAhP9M-avP6A/videos
Learn Electrical Concepts with Sri Eshwar College of Engineering (SECE)	https://www.youtube.com/channel/UC70r43Aco48iVndrAkmUSq/videos

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
85	84.03	60	59.19

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)

Maintenance of physical, academic and support facilities • A master maintenance schedule for every laboratory is maintained by the respective laboratory in-charge. • The master maintenance schedule identifies the various equipment that are available in the lab and also the frequency of their maintenance viz., Weekly, Fortnightly, Monthly, Quarterly, Half Yearly, Yearly. • The master maintenance schedule becomes the reference document for scheduling the maintenance activities • Maintenance of equipment is carried out by qualified staff members or service technicians from the vendors. • Based on the frequency defined, maintenance activities are coordinated with service providers, where required. • The outcome of the maintenance activity is recorded in the Maintenance Register. • The Maintenance Register captures the details of both Preventive Maintenance and Break Down Maintenance. • Where required, spares are replaced during the maintenance activity and details of the same are captured in the Maintenance Register • The replaced parts are handed over to the Stores Department for disposal • The Maintenance Register is used to observe the performance of the equipment based on both Preventive and Break Down Maintenance • The Maintenance Register is also used to analyze the maintenance cost incurred on every equipment and take informed decision of retention or disposal of such equipment. • Stock Verification is executed every year for laboratories, library and sports facilities • Calibration of measuring instruments is done in every 3 years Utilization of physical, academic and support facilities • All the classrooms in SECE are Information and Communication Technology (ICT) enabled and are equipped with LCD projectors, computers connected to Internet to utilize the e-resources as a support for the subjects being taught. • The department students utilize the laboratories for their mini projects, innovative projects and final year projects. • Faculty members guide the students during working hours and beyond working hours to carry out projects • After working hours, students will use library and sports facilities

<https://sece.ac.in/wp-content/uploads/2022/03/Policy.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	Tuition fee, Hostel fee, Transport fee, Sports Scholarship	742	22408400
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 implementation	Number of students enrolled	Agencies involved
Evening coaching class for Higher class	11/02/2020	145	Sri Eshwar College of Engineering, Dept. of Maths
Lateral students coaching class	26/07/2019	28	Sri Eshwar College of Engineering, Dept. of Maths
Bridge course	06/06/2019	252	Sri Eshwar College of Engineering, Dept. of Maths
Environmental Issues / An Awareness	07/08/2019	441	Dr. IIangovan
Yoga	06/08/2019	441	Balavidhya / Yoga
Grooming and Professional Ethics	05/08/2019	441	Dr. Subramanian/P resident/JCI
Power of Focus, Mind Mapping, Memory Techniques and Super Brain Yoga	05/08/2019	441	Dr. R. Krishnamurthi, IMPACT - Inspiring Minds
Soft Skill development	01/08/2019	441	Sri Eshwar College of Engineering
Mentoring	02/07/2019	2000	Sri Eshwar College of Engineering
Soft Skill Development	02/07/2019	2000	Sri Eshwar College of Engineering

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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 passed in the comp. exam	Number of students placed
2019	Competitive Exams and career	11	14	1	1

	counselling				
2020	GATE Coaching by GATE FORUM	24	21	Nil	16

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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		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Agnito/Amazon/Zoho/Capgemini etc.	399	327	Anugraha Valve Castings Limited/Informatica/Texmo/NTT Data etc	128	104

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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	Department graduated from	Name of institution joined	Name of programme admitted to
2020	2	BE	Electrical and Electronics Engineering	GateForum	Gate
2020	1	BE	Electronics	Annamalai University	MBA
2020	1	BE	Electronics and Communication Engineering	Thiagarajar School of Management	PGDM
2020	1	BE	Electronics and Communication Engineering	Deakin University, Melbourne	MS
2020	1	BE	Mechanical Engineering	Murdoch University, Australia	MS
2020	1	BE	Mechanical Engineering	Sapienza University	ME

				of Rome	
2020	1	BE	Computer Science and Engineering	Fire Bird Institute of Research & Management	MBA
2020	1	BE	Computer Science and Engineering	Kumaraswamy College Of Engineering	MBA
2020	1	BE	Computer Science and Engineering	Amritha Institute Of Engineering Technology	M.Tech
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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
GRE	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
Anna University Zone Volleyball Championship For Men	Zone Level	240
Sri Eshwar Trophy For Engineering Men Teams (5's Football, Volleyball,)	Inter College Level	600
Sri Eshwar Trophy For School Boys And Girls (Basketball, Volleyball, Chess)	School Level	800
Sri Eshwar Trophy For Polytechnic Boys And Girls (Volleyball,)	Polytechnic College Level	200
7th Alumni meet	College level	400
SPARK 2019	Inter school level	1000
Independence Day Celebration	College level	250
Teachers Day Celebration	College level	250
MEDIA MAX Launch	Inter College level	1500
Toastmasters International - Speech Contest	National Level	300
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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	First Prize And Received 10,000 Cash	National	3	Nill	17cs060, 17cs153,16 cs021	Jawid Akthar S, N.Sukanth, Arun Dhayalan
2019	Inter College Sports Meet	National	3	Nill	18cs023, 17cs107, 18cs126	Chandini R,R.Pooja Sekhar, Rasi L
2019	Won 3 Rd Prize	National	1	Nill	17cs092	Naresh G
2019	Winners	National	1	Nill	17cs092	Naresh G
2019	Won 1st Place	National	2	Nill	17cs092, 17cs0147	Naresh G, Srinivasan N,
2019	Gold Medal	National	1	Nill	17ec049	Harinath .S
2019	Gold Medal	National	1	Nill	18ec112	Sharmila.M
2019	Silver Medal	National	1	Nill	18ec057	D.Leena
2019	Gold Medal	National	2	Nill	19ec111, 19ec037	Vishal S ,Hariharan M
2019	Bronze Medal	National	1	Nill	17ec084	Malini. 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)

1. The students have become a member in Internal Quality Assurance Cell (IQAC), Students Representative Committee, Class Committee and they contribute for the development of the entire student community. 2. The institution has formed Sri Eshwar Student Leadership Council, the objective is to initiatives for development will be idenLISTified, planned and executed by the students to benefit every students. Students are give leadership roles around 25 presidents and Vice presidents are chosen to taken the verticals of our college. The SLC formed during the year 2019-20 was lead by the Student Ambassadors, Sachin Prasanna from III CSE and Poo Maha from III ECE. The president of each verticals conducted various activities and sent the report to the SLC. The separate documents are available for the list of SLC office bearers and the report of 2019-20 for all verticals. 3. The institution has formed the general clubs in order to provide a platform for students to bring hidden talents/ Programs are conducted to nurture and expose their talents. The name of the clubs are Multimedia Club, Passionate Programmers Club, Scripting Language

Club, Cloud And Big Data Club, IOT Club, Devops Club, Robotics Club, Embedded Systems and Iot Club, Factory Automation Club, Product Development Club, Product Design Club, Coders Club, Eco Club, Modelling Club and 114 events conducted through these club. 4. Students are actively involved in IEEE student branch activities/ The IEEE STB new office bearers for Calendar Year 2019, Our IEEE student branch member Vengatraman (94247957) for the project 'Techno Eye' have been selected for the student project funding-2020. Various activities like International Conference, FDP, Workshop, Technical talk, Awareness and Competitions conducted through the IEEE student chapter. During the year 2019-20, 13 events conducted through IEEE chapter.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Vision: To be recognized as a value/adding entity, creating an everlasting bonding between the alumni, students, industry, and Sri Eshwar College of Engineering. Mission SECE Alumni Association will strive to achieve its vision by:

- Helping students with industry visits internship opportunities
- Providing technical mentorship for students' projects
- Connecting SECE with companies to strengthen industry collaboration
- Volunteering to conduct lectures/workshops/mock interviews
- Volunteering to be a jury panel member for contents
- Playing the role of Visiting Faculty/Member of Board Studies/IQAC Cell
- Providing scholarship to deserving students of SECE
- Sponsoring infrastructure, prizes, and awards

The SECE Alumni Association was registered in the year 2015. The Association is headed by the president of the Association and supported by the Head of the Institution. It has 7 Executive Committee members in the Association. Yearly once the General body meeting is conducted and if necessary the executive members will be replaced based on the decision taken in the meeting/ Apart from the Executive Committee, it has faculty alumni coordinators department wise and student alumni coordinator class wise and Alumni chapter coordinator. The orientation is being given to the final year student about the Association every year. The list of office bearers are getting updated every year after selecting the alumni student coordinator after completing the course. Alumni website is established since 2016 and it is working well and updated on daily basis. All alumni records are uploaded and updated by the Alumni whenever any changes in their profile/ The 7th Alumni Meet was held on 18/8/2019 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 2019-20. Thus the alumni association activity report of the 2019-20 submitted by the President. Moreover, he was wishing all alumni to render ideas and supports to strengthen the association. Plan of 2019-20

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. E-Newsletter 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, 2020 Report on Association activities during 2018-19 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. Alumni who come to the college and contributed a lot in the areas of Visiting faculty, Workshop, Academic Advisory Council meeting, Mock Interview, Jury in Innovative project expo, Guest lecture, Board of Studies meeting, Autonomous Inspection etc/, you can see the list of alumni with their name in the newsletter. 3. The juniors were motivated and guided by the members of alumni association/ 4. Association helped the members of association in many ways like sharing the job opportunities, placements on regular basis etc. 5. Members of association inspired first year students of 2019-20 batches during the induction program in the month of July, 2019 by sending recorded video message.

5.4.2 – No. of registered Alumni:

3920

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1. Alumni Meet conducted on 18/8/2019 2. Board of Studied conducted on 13/7/2019 3. Hackathon conducted on 26/7/2019 4. First year induction program on 31/7/2019 5. International Conference on 30/8/2019 6. Interaction with startup on 22/1/2020 7. Board of Studies on 22/2/2020 8. Innovative Project Expo/2020 on 29/2/2020 9. Super Singer Contest 2020 on 3/5/2020 to 4/5/2020 10. Placement Mock Interview - 21/12/2019 International Chapters established in Canada, Germany, US and Japan during this year. and 44 Alumni contributed in the above events and also more than 600 Alumni participated in the Alumni Meeting conducted on 18/8/2019.

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	<ul style="list-style-type: none"> • 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

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/)

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.

Examination and Evaluation

All the Semester Examinations are conducted under the supervision of the 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 result passing 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

• R D 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 Post/Graduates 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 e/journals 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 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 2016/17, 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 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

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, e-books, and e-journals. 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 AM to 8.00 PM. 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 e/journals
- In/house remote access to e/publications
- 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. • Wi/Fi 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 multi/skills 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 Self/Appraisal Proforma (SAP) for Professors, Associate Professors and Assistant Professors. SECE HRM/Policy Hand Book 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 26/7/2019 to 27/7/2019 during the academic year 2019-20 and more than 10000 students were benefited across. Event Theme : Digital Transformation

Event Description: 8th Edition of National Summit- Industry Connect on 26th and 27th July, 2019

Power packed 4 Summits Focusing on Circuit Stream, Core Stream, IT Product and Startup with 40 Plus speakers from leading top MNCs. Four Workshops with real time experience partnered with Autodesk, Salesforce, Live Wire and CADSoft

Event Workshop: Four workshop

1. Design now (Mech) - Autodesk
- 2 .Learnathon (CSE) - Salesforce
- 3 .Building information modelling (civil) -CADSoft and Autodesk
- 4 .Electronic Design Automation (EEE) - Live Wire

FEST Guest: Raj Mohan - Put Chutney Vijay Kapoor - Derby Jeans Vivek Prakash - Hacker Earth

- 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, Career Guidance, Expert lectures etc/ These activities are aimed to bridge the gap between industry and Academia

The collaboration focuses on achieving the following functions:

- To build and maintain excellent rapport with the Top

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

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-governance area	Details
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.
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.

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
2019	Mr.S.Vignesh	Assembling and Dismantling of Pumps/Aquasub	NA	Nill
2019	Mr.Y. Suresh Babu	Faculty Enablement Program -Messer Cutting	NA	2000
2019	Mrs.S. Divya	Faculty Enablement Program -Messer Cutting	NA	2000

2019	Mr.F.Justin Dhiraviam	Faculty Enablement Program -Messer Cutting	NA	2000
2019	Mr.K.Sathish	Inaugural Sinumerik CNC Training	NA	Nil
2019	Mr.J.Dhanashekar Mr.Deepak S Mr.R.Pradeep	Two days hands on training in Network simulation tools	NA	1200
2019	Vaishnavi, Shaju, Shanmugapriya	Training	NA	15000
2019	Mr.B.Hemananth	CSIR Sponsored Two days National Awareness Programme on Implications of Internet of Things (IoT) in Agriculture for Sustainable Rural Development-Challenges and Opportunities	NA	1500
2019	Mr.P.Anbarasu	CSIR Sponsored Two days National Awareness Programme on Implications of Internet of Things (IoT) in Agriculture for Sustainable Rural Development-Challenges and Opportunities	NA	1500
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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2019	FDP on SolidWorks	Nil	02/12/2019	07/12/2019	6	Nil
2019	Teaching a Noble Profession	Nil	03/08/2019	03/08/2019	29	Nil
2020	Preparing Quality Research Papers and Proposals	Nil	08/02/2020	08/02/2020	29	Nil
2019	Problem Solving using C	Nil	26/11/2019	27/11/2019	12	Nil
2019	Faculty Development Programme on Problem Solving using C	Nil	26/11/2019	30/11/2019	50	4

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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
Big Data Analytics	2	18/05/2020	22/05/2020	5
Introduction to R programming / Spoken tutorial (IIT Bombay FDP)	3	22/04/2020	22/04/2020	1
INFYTQ based Foundation Program	1	24/06/2019	26/06/2019	3
Cyber Security	1	18/05/2020	22/05/2020	5
Programming in Java (NPTEL/AICTE FDP)	3	01/07/2019	31/10/2019	120
Artificial Intelligence	1	22/05/2020	26/05/2020	3
Machine Learning and Data Analytics Using Python	1	05/05/2020	13/05/2020	14

Design and Analysis of Algorithms	3	22/04/2019	26/04/2019	5
Data Science Using R	1	11/05/2020	15/05/2020	5
Five Day STTP on CS6010 - Social Network Analysis	2	02/12/2019	06/12/2019	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
16	16	8	8

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Transport facilities • Medical and Maternity Leave • EPF • Group Insurance • Lunch 	<ul style="list-style-type: none"> • Surya Mitra Solar training programme • One day programme on Servicing of the lab equipments. • Transport facilities • Medical and Maternity • Leave • EPF • Group Insurance • Lunch 	<ul style="list-style-type: none"> • Innovative Sponsors • 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 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
Management	309500	For training, Projects and competitions.
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6.4.3 – Total corpus fund generated

3828100.00

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	Anna University	Yes	IQAC Team
Administrative	Yes	Anna University	Yes	IQAC Team

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

1. Parent -Teachers feedback form 2. Registration form 3. Handing over the Internal marks performance to parents

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

1. Surya Mithra Programme, 2. Energy Audit Training 3. SQL, Cloud and Big Data

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. Total No. of faculty trained by Industry - 32 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. The highest salary package offered by Informatica - 13LPA 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 learning process. Total No. of faculty benefitted through Pedagogy : 131

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	29/07/2019	29/07/2019	25/11/2019	131
2019	Audit-I	10/08/2019	10/08/2019	10/08/2019	131
2019	Audit-II	18/09/2019	18/09/2019	18/09/2019	131
2019	Audit-III	17/10/2019	17/10/2019	17/10/2019	131
2020	Final Audit-I	12/02/2020	12/02/2020	12/02/2020	131

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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 (WEDP) Sponsored by DST NIMAT, EDII Ahmedabad	11/10/2019	15/11/2019	25	0
Win Mech – In association with CUIC-Anna University and Renault Nissan	09/09/2019	09/09/2019	1361	0
Women Safety APP – Awareness Programme	13/10/2019	13/10/2019	100	0

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 On/grid 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 • Bio-Gas Plant provides required gas for cooking food in the Hostels and Amenity Centre • The institution has installed a wind mill in the campus to generate electricity • 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 locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	Nil	1	16/07/2019	1	Problem Identifying in the	Social Activity	205

					Village		
2019	Nill	1	15/08/2019	1	Independe nce Day Celebrati on	Social Activity	100
2019	Nill	1	15/08/2019	1	Station ary Items provided to the School Students	Social Activity	55
2019	Nill	1	15/08/2019	1	Gram Sabha meeting	Social Activity	20
2019	Nill	1	23/09/2019	1	Eradica tion of Plastic	Social Activity	105
2019	Nill	1	02/10/2019	1	Rally - Clean India	To Create Awareness	78
2020	Nill	1	26/01/2020	1	Republic Day Celeb ration	Social Activity	97
2020	Nill	1	26/01/2020	1	Cakes for School Students	Social ActivityS ocial Activity	55
2020	Nill	1	26/01/2020	1	Gram Sabha meeting	Social Activity	20

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Academic Calendar 2019 - 20 for all students	01/06/2019	We will be 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.
Handbook	01/06/2019	Handbook is issued to newly joining students at the time of admission.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Celebration of Independence Day	15/08/2019	15/08/2019	100
Celebration of Teacher's Day	05/09/2019	05/09/2019	150
Celebration of Republic Day	26/01/2020	26/01/2020	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 ? Efforts for Carbon neutrality ? Plantation ? Hazardous waste management ? E-waste management

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 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 • Bio/Gas 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

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 laboratory classes is disposed through the process of neutralisation • Bio degradable and Non-degradable wastes are separated and disposed • Food Wastages are disposed in a timely manner, so that they do not cause any hazard • Awareness programmes are organized to educate the students, faculty members and public on effective ways of handling hazardous waste

E-Waste Management •The institution is planning to implement an appropriate e/waste management system.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices - 1 Students Leadership Council

1. Title of the Practice - The Student Leadership Council is to identify, develop and nurture leadership qualities among students
2. Goal:
 - To enhance the leadership skills of students.
 - To bring openness among the students to lead in their field of interest.
 - To build a strong and firm council of student community.
 - To stimulate decision making skills of students.
- Roles of SLC Members:
 - Every SLC member actively takes part in the council meeting.
 - Must be responsible over their duties.
 - Lead and guide simultaneously.
 - Groom their peers to develop their skill sets.
 - Take initiative to organize and conduct events related to their verticals.
 - Being a brand ambassador of chosen vertical.
 - A bridge between students and management.
3. The Context
 - There exists a gap between the students "leadership skill" expectations. The involvement of students in day-to-day activities of organizing, managing the events in different verticals is ensured.
 - Our Institution motto is leadership and excellence. As per the feedback of the HRs of the recruiting companies, more than 80 to 85 of the graduates are lacking in leadership quality that is to manage various activities in an Industry. To prepare students for leadership roles during their employment, various initiatives are expected by SLC (Student Leadership Council)
4. The Practice
 - Students leadership council is approved
 - The nominations are opened in the first week of commencement of the academic year.
 - Further after nomination date is over, the student candidate will make presentation on the vertical of their selection to the Heads of the department and Senior Professors.
 - The short listed student candidate will go with final round before the Principal, Directors and Dean.
 - After the selection of the deserved candidate, one inauguration ceremony will be conducted where all the selected leaders will take an oath and will start to work from that day.
 - Every year the members will be changed and the equal opportunity will be given to other students.
5. Evidence of Success
 - In each class, more than 75 of the students are actively involved in the above mentioned activities. The SLC members are sole responsible for their verticals, right from planning to execution. Activities are conducted through SLC and students are actively participating and it is successfully going on.
 - Events like Media.com, Engal santhai, Tamilmandram, wall of help conducted through SLC "Motivational to new joiners". Alumni Singing competition, Alumni Scavenger Hunt, Alumni Meet 2020, Independence day celebration, Republic day celebration, students webinar, entertainment activity to students etc.
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 Sri Eshwar College of Engineering.

2 Technical Club Activity

1. Title of the Practice - Technical Club to enhance student's technical knowledge and groom them as performers at various levels of their student life.
 - To provide a platform where the brilliant ideas of students could be nurtured and prepare students in such a way that they can face any hurdles in the way of learning and can deal with the ever changing or dynamic technology. This will embark a new journey for the institute and provide the students with best possible opportunities that can be accumulated and bestow creative minds to work on innovative ideas.
2. Goal
 - To enhance the students practical knowledge horizon by organizing the workshops, seminars and competitions on various technical level within the college.
 - Provide a beneficial platform to the students to express their ideas freely and meaningful guidance in their field of interest.
 - This club constitutes handful of students but represents the wishes of all the students and duty to steer the college towards a brighter and glorious future, all set to make a change that's innovative.
3. The Context
 - There exists a gap between the Institution and Industry expectations. The involvement of students to prepare themselves technically is crucial and active

participation need to ensured. 4. The Practice • There are 15 Clubs that are active and each club will have a Student Secretary, Joint secretary and Executive members that are chosen by students. • There is a Technical Club President nominated by the student representing all the Clubs available, also there is Overall Technical Club Staff Coordinator along with faculty coordinators for their respective clubs. • The Clubs are exclusively student driven and they plan and execute their activities every working Saturdays in consultation with the faculty in charge. • Students are allowed to join any clubs of their choice according to their area of interest. • Students initiates programs like seminar, guest lectures and Technical Symposium besides mind blogging events like quiz,puzzles,content delivery, knowledge sharing etc • Students are open to learn new technologies to promote their contribution towards great project creating remarkable appreciation nationwide. • Students of respective clubs have immense dedication and devotion towards work, and toil very hard with a never say die spirit to achieve a singular goal of excellence in the field of technology within suppressible zeal. 5. Evidence of Success • In each class, as students belong to different Clubs, respective secretary plans and allots work to his members of the club to execute as planned in the respective week and report for the same is handed over to the President and regular monitoring for smooth conduction of the event is taken care of. • Being initiators and by exposure during their club hours which help students develop skills to organize flagship event which takes the college to different level altogether . • Photographs and Videos are taken to motivate the students and to appreciate their talents. • As students get better exposure to technically work on ideas that help them become tech savy which in turn reflect in their placements to get through Technical rounds. • The Placement Cell has given a high rating of performance of students in Campus / Off Campus interviews as they are given opportunity to learn think and innovate ideas during their Technical Club hours. 6. Problems Encountered and Resources Required • Non active participation by a small section of the students. • Constant motivation is given by President and Coordinators to see that all get chance to exhibit their talents. 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/2021/06/Best-Practices-2019-20.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 2019/2020:

1. The activity of identifying the Problems in Village at Vadasithur on 16th July 2019
2. Independence Day Celebration on 15th August 2019
3. Stationary Items provided to the School Students at Vadasithur on 15th August 2019
4. Gram Sabha Meeting at Vadasithur on 15th August 2019
5. Activity for Eradicating Plastics at Vadasithur on 23rd September 2019
6. An awareness activity of Rally - Clean India on 2nd October 2019
7. Republic Day Celebration on 26th January

2020 8. Distribution of Cakes to School Students at Vadasithur on 26th January 2020

2020 9. Gram Sabha Meeting at Vadasithur on 26th January 2020 UNNAT BHARAT ABHIYAN UBA Report on 15th August 2019 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. All Department has conducted an activity of distributing various Items to the School Students at Vadasithur, Coimbatore under Unnat Bharat Abhiyan, on 15th August , 2019. Then the government conducted the Gramsabha in that village for that Heads of the Department and the department Programme Coordinator 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 Conservation plant need to be improved to reduce Scarcity • Mosquito Abolition Awareness programme need to initiate at Vadasithur Village • Waste collecting Vehicle need to be repaired at Vadasithur Village • Need of Smart Class Rooms at Vadasithur Government Higher Secondary School Work will be initiated on priority basis in village action plan/ Field task has been given to field coordinator for the benefit of the public. UBA Report on 26th January 2020 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. All Department has conducted an activity of distributing various utems to the School Students at Vadasithur, and other adopted villages at Coimbatore under Unnat Bharat Abhiyan, on 26th January , 2020. Then the government conducted the Gramsabha in that village for that Heads of the Department and the Department Programme Coordinator has participated to sort out the issues in that village. These are the following issues discussed and identified in Gramsabha: • Mosquito Abolition Awareness programme need to initiate at Vadasithur Village • Waste collecting Vehicle need to be repaired at Vadasithur Village • Bore Well motor need to be refurbished at Vadasithur Government Higher Secondary School Work will be initiated on priority basis in village action plan/ Field task has been given to field coordinator for the benefit of the public.

Provide the weblink of the institution

<https://sece.ac.in/wp-content/uploads/2021/06/Institutional-Distinctiveness-2019-20.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.

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