



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai 600 025)

(Accredited by NAAC with B+ Grade)

Pullipalayam, Morur (PO), Sankari (TK), Salem (DT) – 637 304

Tamil Nadu

THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC

2017-18

Submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

P.O. Box No. 1075

Nagarbhavi

Bangalore – 560 072



Sri Shanmugha College of Engineering and Technology

Pullipalayam, Morur (Po), Sankari (Tk), Salem (Dt), Pin : 637 304, Tamil Nadu. Ph : 04283-262999, 998, 997 Fax : 04283-261799

(Approved by AICTE, New Delhi and Affiliated to Anna University)

Accredited by NAAC



Dr.R.Radhakrishnan,M.E.,Ph.D.,

Principal

Ref: 017/AQAR/IQAC/2018

Date: 08th AUG 2018

To

The Director
National Assessment and Accreditation Council (NACC)
PO Box No.1075, Nagarabhavi,
Bengaluru – 560 072

!!! Greetings from Sri Shanmugha College of Engineering and Technology!!!

Sir,

Subject: Annual Quality Assurance Report (AQAR) 2017-18 – submitted – reg.

Executive Committee Number: EC (SC)/23/A&A/65.1 dated 28.03.2017

Sri Shanmugha College of Engineering and Technology has been accredited by National Assessment and Accreditation Council with 'B+' grade, valid up to 27 March 2022. I take this opportunity to thank the NACC officials for their support extended to us during the accreditation process.

As per the guidelines of NACC, an Internal Quality Assurance Cell (IQAC) has been constituted to maintain the post accreditation quality assurance and enhancement measures. Dr.G.Kavitha, Professor, Department of Computer Science & Engineering has been nominated as a coordinator of IQAC. As per the guidelines we have prepared first AQAR and submitted herewith for your kind perusal.

Kindly acknowledge the same

Thanking you,

Yours Sincerely,


Principal 8/8/18



**PRINCIPAL,
SRI SHANMUGHA COLLEGE OF
ENGINEERING & TECHNOLOGY,
PULLIPALAYAM, MORUR-637 304.
SANKAGIRI(TK), SALEM(DT), T.N.**

Part – A

1. Details of the Institution

1.1	Name of the Institution	:	Sri Shanmugha College of Engineering and Technology
1.2	Address Line 1	:	Pullipalayam
	Address Line 2	:	Sankari
	City/Town	:	Salem
	State	:	Tamil Nadu
	Pin Code	:	637304
	Institution e-mail address	:	info@shanmugha.edu.in
	Contact No.	:	+914283- 262999
	Name of the Head of the Institution	:	Dr.R.Radhakrishnan
	Tel. No. with STD Code	:	+914283- 262999
	Mobile	:	+91 7373696999
	Name of the IQAC Coordinator	:	Dr.G.Kavitha
	Mobile	:	9842073527
	IQAC e-mail address	:	iqac@shanmugha.edu.in
1.3	NAAC Track ID	:	TNCOGN26754
	(For ex. MHCOGN 18879)		
1.4	NAAC Executive	:	EC (SC)/23/A&A/65.1 dated 28.03.2017
	Committee No. & Date		
1.5	Website address	:	www.shanmugha.edu.in
	Web-link of the AQAR	:	Shanmugha.edu.in/AQAR/2017-18

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B+	2.53	2017	27.03.2022

1.7 Date of Establishment of IQAC : 16/09/2016

1.8 AQAR for the year : 2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC: Not Applicable

1.10 Institutional Status

University State ☐ Central ☐ Deemed ☐ Private ☒Affiliated College Yes ☒ No ☐Constituent College Yes ☐ No ☒Autonomous college of UGC Yes ☐ No ☒Regulatory Agency approved Institution Yes ☒ No ☐

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

Type of Institution

Men ☐ Women ☐ Rural ☒ Tribal ☐Urban ☐ Co-education ☒Financial Status Grant-in-aid UGC 12(B) ☐ UGC 2(f) ☒Grant-in-aid + Self Financing ☐Totally Self-financing ☒

1.11 Type of Faculty/Programme:

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

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

Others (Specify)

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

Anna University, Chennai

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

Autonomy by State/Central Govt. / University	<input type="text"/>	DST Start Scheme	<input type="text"/>
University with Potential for Excellence	<input type="text" value="-"/>	UGC-CPE	<input type="text" value="-"/>
UGC-COP Programmes	<input type="text" value="-"/>	UGC-CE	<input type="text" value="-"/>
UGC-Special Assistance Programme	<input type="text" value="-"/>	DST-FIST	<input type="text" value="-"/>
UGC-Innovative PG programmes	<input type="text" value="-"/>	Any other (<i>Specify</i>)	<input type="text" value="-"/>

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="7"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="2"/>
2.3 No. of students	<input type="text" value="2"/>
2.4 No. of Management representatives	<input type="text" value="1"/>
2.5 No. of Alumni	<input type="text" value="1"/>
2. 6 No. of any other stakeholder and community representatives	<input type="text" value="2"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="1"/>
2.8 No. of other External Experts	<input type="text" value="1"/>
2.9 Total No. of members	<input type="text" value="17"/>

The IQAC consists of the following members:

Chairperson	Dr.R.Radhakrishnan	Head of the Institution
Member	Mr.A.Murugananth	Teaching faculty
	Mr.P.Ramalingam	
	Ms.M.Agalya	
	Ms.B.Suganya	
	Mr.R.Boopathi	
	Dr.D.Saravanan	
	Mr.P.Dinesh Kumar	Administrative / Technical Staff
	Ms.K.Amutha	
	K.Venkatesh (IV Mech)	Student Representatives
	M.Hemapriya (III CSE)	
	Mr.K.Balaji Vasenth	Management Representative
	B.Gokul	Alumni
	K.Bhuvaneshwaran	Stakeholder / Representative of Community
	S.Panner Selvam	
	Mr.T.T.Paranthaman	Employers of University Product / Industrialists
	Dr.R.Kumaravelan	External Expert
Member Secretary	Dr.G.Kavitha	Coordinator

2.10 No. of IQAC meetings held 3

2.11 No. of meetings with various stakeholders: Total No. 08

Faculty 4 Non-Teaching 2 Alumni 1 Others 1

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

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC:

Total Nos :

International :

National :

State :

Institution Level:

(i) Themes:

- Symposium Technotron 2K17 was conducted by CSE and ECE
- Hackathan'18 Contest by CSE department
- Symposium Tornadoes'17 was conducted by Civil and Mechanical Engineering
- National Level Technical symposium [ESPERANTO-2K18]
- Workshop conducted by CSE department on PHP and MySQL
- National Level Workshop on Industrial Automation
- Academic Audit and Departmental Mentoring
- IT Industry Connect Seminar conducted by CSE department
- Seminar Conducted by Civil department on Cost Effective and Eco friendly Construction Technology jointly with IE(I)
- "Seminar about Internal Quality Assurance Cell - IQAC" for the newly inducted faculty members
- RTAST'18 Conference Conducted by Civil and Mechanical
- ICC'18 Conference by ECE and CSE department
- Outcome based education system through Best practices in teaching & learning pedagogy
- Blooms taxonomy in disseminating knowledge and setting question papers for the Examination

2.14 Significant Activities and contributions made by IQAC:

- Submission of online report for National Institute of Ranking Framework (NIRF) ranking
- AISHE 2017-18 Completed Successfully and received Certification
- Participated in AICTE Clean Campus Contest held on 23.09.2017
- Participated in Swacchta Ranking Contest held on 23.08.2017
- Proposal for National Board of Accreditation (NBA)
- Implementation of Centralized Examination and Evaluation System for Internal Examination
- Implemented structured course plan pertaining to planning of course content of AU Syllabus
- Symposium / seminar / Conference through IQAC Organized
- Proposal submitted for Chemistry R&D centre recognition
- Academic Audits were conducted, most of the resolutions were implemented related to Teaching-Learning-Evaluation process
- NPTEL local chapter established and students and staff are actively participating and received certificate
- IIT Bombay Workshops on 'R' programming , Embedded Systems , Concrete Technology were conducted
- Pedagogical aspects were initiated
- Conducted activities through Woman Empowerment Cell for creating awareness on Harassment ,women safety
- Awareness Programme were organized through NSS Rally
- Industry Readiness through TCG series programme
- Incubation Centres and Start-up companies running inside the campus

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year:

- Planned to improve the areas which requires more attention based on the NAAC peer team report
- Planned to prepare the academic calendar before the commencement of the semester including Internal Assessment Test, Class Committee Meeting, and Activities of the department
- Planned to describe the guidelines for NAAC – Annual Quality Assurance Report (AQAR) preparation
- Planned to promote Entrepreneurship Development Cell and R&D related activities
- Planned to submit a proposal to NAAC seeking fund for conducting seminar/workshop on quality improvement programmes
- Planned to apply seeking accreditation for UG programs by NBA in this academic year. It is also planned to submit the e-SAR in the month of March 2018
- Planned to conduct many activities through Women Empowerment Cell (WEC) in order to enrich the girl students' skills
- Planned to apply for Research Centre Recognition by chemistry departments for the welfare of the faculty fraternity
- Planned to improve the Success Rate (University Examination Results) in order to facilitate the institution in achieving a position among the top thirty institutions in Anna University Results
- Planned to improve the teaching learning process with use of modern Interactive Classrooms Teaching (ICT) tools and development of value added course modules
- Planned to improve students' learning with better assessment and evaluation methods through IQAC audit procedure
- Planned to do four phases of audit in a semester
- Planned to arrange internship programs in this academic year
- Planned to organise many social awareness programs through National Service Scheme (NSS) to support public in all aspects
- Planned to start skill development centre in our institution and the Career Guidance Counselling to enhance the skill development of the school students
- Planned to motivate the faculty and students to register for NPTEL courses which will really help the faculty members to improve the teaching skills and also will improve content of delivery

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

Management ☒ Syndicate ☐ any other body ☐ Academic Council

Provide the details of the action taken.

The AQAR report will be placed in the following Governing Council Meeting for necessary action

Achievements:

1. Second year Electronics and Communication Engineering department Students done a project in embedded domain and successfully running LED display in the department.
2. Second Year Electronics and Communication Engineering department student presented a paper and received best paper award.
3. Final year Mechanical Engineering department Students participated in “National level Quad Copter Contest”.
4. Final year Computer Science and Engineering department student Ms.B.Bavishna received a Best project award.
5. **CROSTRIKE-2017 “THE HYBRID TRICYCLE CHAMPIONSHIP 2017” SEASON-1**, was organized by **Blizzard Motors in Indore, Madhya Pradesh**.
Our College team **“TYANTHIRAN 2.0”** has won second place in **“ENDURANCE RACE” (National level)** and awarded with prize money of Rs.10,000 and a trophy. The team **“SURUS”** has won fourth place in **“ENDURANCE RACE” (National level)**.
6. Final year Electronics and Communication Engineering Students A.Krishnan and R.Saraswathi placed in Infoview
7. Our Final year Mechanical Engineering Students has participated in Sasuri Engineering College and won First Prize for the **“TYANTHIRAN 2.0”** project.



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Pullipalayam, Sankari – 637304



As per the guidelines of National Assessment and Accreditation Council (NAAC), the IQAC of our Institution consistently and actively involved in quality sustenance and quality enhancement activities. The IQAC is a participative cell of the college that works on evolving strategies to enhance quality and remove deficiencies, thus channelizing the efforts of the Institution towards achieving holistic academic excellence

The IQAC consists of the following members

Chairperson	Dr.R.Radhakrishnan	Head of the Institution
Member	Ms.M.Agalya	Teaching faculty
	Mr.P.Ramalingam	
	Ms.B.Suganya	
	Mr.R.Boopathi	
	Dr.D.Saravanan	
	Mr.P.Dinesh Kumar	Administrative / Technical Staff
	Ms.K.Amutha	
	K.Venkatesh (IV Mech)	Student Representatives
	M.Hemapriya (III CSE)	
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	B.Gokul	Alumni
	K.Bhuvaneshwaran	Stakeholder / Representative of Community
	S.Panner Selvam	
	Mr.T.T.Paranthaman	Employers of University Product / Industrialists
	Dr.R.Kumaravelan	External Expert
Member Secretary	Dr.G.Kavitha	Coordinator

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
Ph.D.	-	-	-	-
PG	01	-	-	-
UG	05	-	-	10
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	06	-	-	10
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	06
Trimester	-
Annual	-

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

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

**Please provide an analysis of the feedback in the Annexure*

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

Yes, Revision carried out by the Anna University for updating the regulation and syllabi

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

Incubation centres established with the following companies

K-TEQ Solution
Greefi Technology
Hatlet Solution
E2 Info Systems

Criterion – II**2. Teaching, Learning and Evaluation**

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
88	68	11	09	-

2.2 No. of permanent faculty with Ph.D.

14

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

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
16	-	3	-	2	-	-	-	21	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

-

-

-

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	4	1	1
Presented papers	25	-	-
Resource Persons	-	-	-

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

1. Practical Oriented teaching
2. Three Minute talk
3. Group Discussion
4. Role Play
5. Mentoring System
6. Trained by Corporate Group
7. Swayam Prabha Programme
8. NPTEL Lectures
9. National Digital Library
10. Funding for Innovative students and faculty research projects.

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

180

2.8 Examination/ Evaluation Reforms initiated by the Institution

Conduct Daily Test and Internal Assessment Test with 2 Sets of Question papers. Random selection of Question Paper and central Valuation by Internal and External faculty members.

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

-	-	-
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2.10 Average percentage of attendance of students

90%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.E.Civil Engineering	41	4.87	46.34	34.15	-	85.36
B.E.Computer Science Engineering	19	5.26	63.16	10.53	-	78.95
B.E.Electronics Communication Engineering	40	2.5	72.5	15	-	90
B.E.Mechanical Engineering	72	1.39	51.38	29.17	-	81.94

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

1. Development of benchmark for various academic and administrative Activities of the institute.
2. Organizing workshops and seminars related to quality improvement.
3. Documentation of various activities leading to quality improvement.
4. Conducting internal quality audit periodically.
5. In the Class Committee Meetings (CCMs), the students share their views On current teaching-learning process. The suggestions are taken and the same is discussed in the IQAC meeting for further action.

2.13 Initiatives undertaken towards faculty development:

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	2
UGC – Faculty Improvement Programme	-
HRD programmes	–
Orientation programmes	4

Faculty exchange programme	-
Staff training conducted by the university	10
Staff training conducted by other institutions	27
Summer / Winter schools, Workshops, etc.	35
Others (Seminar, Internship, Resource Person)	24

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	5	-	-	-
Technical Staff	09	-	7	-

Criterion – III

3. Research, Consultancy and Extension

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

The Institute has established a Research and Development cell to guide both faculty and student to pursue research in leading technologies. Apart from academic schedule seminars, workshops, symposiums etc., are organized periodically to maintain a research based education system. The students are motivated to apply their innovative ideas by taking up mini projects every semester to enrich their practical knowledge. The staff members and students are encouraged to continue the research oriented activities by providing well-equipped laboratories, digital library, e-journals, financial assistance etc. The faculty and students are motivated to submit a research proposal to the funding agencies to get funds for their project works. MoUs have been signed with various industries to facilitate research and placements and to get mutual benefits

3.2 Details regarding major projects

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

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	-	3	3
Outlay in Rs. Lakhs	3,61,000	-	3,61,000	3,61,000

3.4 Details on research publications

	International	National	Others
Peer Review Journals	32		-
Non-Peer Review Journals	17	-	-
e-Journals	-	-	-
Conference proceedings	4	-	-

3.5 Details on Impact factor of publications:

Range Average H-index Nos. in SCOPUS

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	2	i. Sri Shanmugha Engineering works ii. Greefi iii. K-TEQ Solutions	2,41,000 1,20,000 1,000,00	Yes
Projects sponsored by the University/ College	6 Months	College	5,000,00	Yes
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total	2.6	4	9,61,000	Yes

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

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP	<input type="text" value="-"/>	CAS	<input type="text" value="-"/>	DST-FIST	<input type="text" value="-"/>
DPE	<input type="text" value="-"/>			DBT Scheme/funds	<input type="text" value="-"/>

3.9 For colleges

Autonomy	<input type="text" value="-"/>	CPE	<input type="text" value="-"/>	DBT Star Scheme	<input type="text" value="-"/>
INSPIRE	<input type="text" value="-"/>	CE	<input type="text" value="-"/>	Any Other (specify)	<input type="text" value="-"/>

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	4	-	-	-
Sponsoring agencies	-	IE(I) – CSE,ECE	-	-	-

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

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency From Management of University/College
 Total

3.16 No. of patents received this year: NIL

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

Total	International	National	State	University	Dist.	College
-	-	-	-	-	-	-

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

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
 National level International level

3.22 No. of students participated in NCC events: Not Applicable

University level State level
 National level International level

3.23 No. of Awards won in NSS:

University level State level
 National level International level

3.24 No. of Awards won in NCC: Not Applicable

University level State level
 National level International level

No. of Extension activities organized

University forum College forum
 NCC NSS Any other

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

NSS Program Activities Details Report (2017-18)

Academic Year 2017-18		
S.NO	Date	Events Organized
1	21.07.2017	Gramma Shaba Awareness Creation
2	31.07.2017	Fire and Safety Awareness Program
3	30.08.2017 to 01.09.2017	Dengue Fever Control Activities - Awareness Creation at Doorstep
4	13.09.2017	Road Safety Awareness Program
5	21.09.2017	Blood Donation camp
6	27.09.2017	Tree Plantation Program in Campus
7	05.10.2017	Dengue Fever Control Activities - Awareness Creation at college campus
8	07.10.2017	Dengue Fever Control Activities - Awareness Creation at Doorstep
9	12.10.2017	Tree Plantation Program
10	24.10.2017	World Polio Day Awareness Program
11	28.11.2017	Women Empowerment Cell
12	25.01.2018	Voters day Rally
13	26.01.2018	Republic Day
14	30.01.2018	Anti-Leprosy day Awareness
15	01.02.2018 & 02.02.2018	Guinness World Records Program
16	08.02.2018 & 09.02.2018	NSS Workshop
17	17.02.2018	Women's Empowerment Survey
18	22.02.2018	Madhu Vilakku Awareness

Criterion – IV**4. Infrastructure and Learning Resources**

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	11.75 ½ Acres	-	-	11.75 ½ Acres
Class rooms	21	-	Trust	21
Laboratories	30	-	Trust	30
Seminar Halls	02	-	Trust	02
No. of important equipment's purchased (1-0 lakh) during the current year.	-	18	Trust	18
Value of the equipment purchased during the year (Rs. in Lakhs)	-	8.48	Trust	8.48
Others	-	-	-	-

4.2 Computerization of administration and library

YES

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	17850	7035000	120	60000	17970	7125000
Reference Books	3367	801981	30	15000	3397	786981
e-Books	5588	1000	11216	70800	16804	71800
Journals	7	7000	37	87000	44	94000
e-Journals	105	69000	49185	70800	49290	139800
Digital Database	1235	11500	1519	13800	2754	25300
CD & Video	1317	0	13	0	1330	0
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	506	5	1	3	1	01	05	-
Added	20	-	-	-	-	-	-	-
Total	526	5	1	3	1	01	05	-

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

YES

4.6 Amount spent on maintenance in lakhs:

i) ICT	200000
ii) Campus Infrastructure and facilities	4421247
iii) Equipment's	896779
iv) Others	1740900
Total:	7258926

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- IQAC publishes a prospectus, academic calendar for providing information
- The college website is updated regularly to give information about the student support services
- Letter Correspondence are displayed on the notice boards
- Digital display has been installed in the Central Library for communication
- The students are also communicated through SMS
- Effective mentoring system is implemented to counsel the students periodically and Academic calendar and examination schedule is informed to the students well in advance through the Chief mentor of the respective class
- Class committee meeting is conducted thrice in a semester to collect the course feedback, faculty feedback and students performance in the class are also discussed for continuous improvement
- The support services like scholarships, internet facilities, conduct of coaching classes, sports facilities, online courses offered, events organized, library facilities etc., are also communicated through notice boards maintained at different locations in the campus
- Laboratories are available for the students at extended hours to make use of the lab facilities for doing project
- Projects/fabricated vehicles presented nationally or internationally are completely funded by the management
- Grievance redressal cell is constituted to address the grievances of students, and parents
- Group medical insurance is provided to all the students
- Professional societies, Department Association and Club activities are provided to the students to encourage the co-curricular and extracurricular activities
- Project exhibition/Project contest is conducted to motivate the students and to nurture the creativity and innovation
- Students online feedback system is available to collect the feedback about the faculty
- Students are encouraged to register for NPTEL and other online courses and the same is accounted on their academic marks
- NSS is functioning effectively to encourage the students to participate in social and community development activities

- Women empowerment cell is organizing the seminars for the girls students and conducted many events
- Placement & Training cell is organizing the students career support program periodically and conduct the training classes
- Start-up Companies are initiated to take up new innovative ideas and implemented through their forum

5.2 Efforts made by the institution for tracking the progression

- Internal Assessment Test (IAT) helps to track the performance of the students regularly and remedial classes are arranged for the slow learners and respective chief mentor/mentor continuously monitors the progress of the students
- Student information book is maintained for individual student by the respective faculty mentors to record and track the academic performance of the student and also the contribution towards co-curricular and extracurricular activities
- Scholarship is provided to the students who have scored more than 9 CGPA in the University examination
- Through Entrepreneurship Development Cell (EDC), Entrepreneurship Awareness Camp sponsored by Department of Science and Technology in association with Centre for Entrepreneurship Development, Madurai was conducted for both circuit and non-circuit students which really motivated the students to become entrepreneurs and also helped the students to do innovative project
- Aptitude and soft skill training is provided by the Placement & Training (P&T) team and placement test is conducted before each internal test
- Industrial visits are arranged regularly to make the students aware of the current industrial standards and requirements in their field of study
- Parents are well informed about the progress of the students and parents meeting is also conducted every semester to discuss about the performance of the wards

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
611	1	-	-

(b) No. of students outside the state

12

(c) No. of international students

-

Men	No	%	Women	No	%
	387	63.23		225	36.83

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
7	69	-	527	-	603	13	115	2	495	-	625

Dropout %: 2.24

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

- Providing competitive examination coaching
- Guidance for GATE
- Coaching for Bank examination and Guidance through Higher Education cell
- Aptitude and soft skill training classes are conducted regularly by Placement and Training cell
- SSCET in association with CAREER POWER Academy train the interested students for UPSC exams
- GATE coaching classes are conducted
- GATE materials and previous year GATE questions are available in the digital library for easy reference

No. of students beneficiaries

64

5.5 No. of students qualified in these examinations

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

5.6 Details of student counselling and career guidance

- ❖ Through placement cell campus interviews are arranged and training also provided
- ❖ Students counselling is done by the respective faculty mentor
- ❖ A separate Grievance Redressal Cell is established to provide proper advocacy to students to express their grievances freely without any feel of fear of being victimized

No. of students benefitted

All Students

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
16	114	60	3

5.8 Details of gender sensitization programmes

- Women Empowerment Cell (WEC) conducted awareness programme on “Legal Rights of Women” on 06.12.2017
- Organization of rally and street plays through NSS
- Organized Women’s day Celebration

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	227	54,30,300
Financial support from government	463	25,53,425
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives:

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: **NIL**

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION

To be an institute of repute in the field of engineering and technology by implementing the best educational practices akin to global standards for fostering domain knowledge and developing research attitude among students to make them globally competent.

MISSION

- ❖ Achieving excellence in Teaching Learning process using state-of-the-art resources
- ❖ Extending opportunity to upgrade faculty knowledge and skills
- ❖ Implementing the best student training practices for requirements of industrial scenario of the state
- ❖ Motivating faculty and students in research activity for real time application

6.2 Does the Institution has a management Information System

Yes, the institution has a management information system to support and record the academic and administrative activities of the Institution.

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

6.3.1 Curriculum Development

The design and development of academic curriculum is done by University, the Institute supplements the curriculum through enrichment program in the form of value added course and soft skill training. Well framed syllabi for enrichment program based on the feedback from various stake holders were planned, executed and supervised through the team of Training and Placement cell.

6.3.2 Teaching and Learning

- ❖ By considering the academic schedule from the University, Academic Co-ordinator Meeting (ACM) is conducted to finalize the institutional activities and an institute academic calendar has been prepared and released by the Head of Institute and circulated among the departments
- ❖ With reference to the institute academic calendar, department academic calendar is prepared and the department activities are planned accordingly

- ❖ The provision for exposing the modern tool usage, content beyond syllabus, augmented experiments and industrial visits to the students is made in the department activities for bridging the curriculum gap
- ❖ Teaching and learning process is enhanced with the aid of various instructional methods formulated by the faculty members through pedagogical programs
- ❖ The faculty members are continuously evolving the teaching practices, by attending various faculty development programs, pedagogical workshops, seminars, internships, orientation programs in various institutions
- ❖ Effective teaching and learning is achieved through students' centric teaching approach like class room delivering, lecture with discussion, demonstration of models, Role play, 3 minutes talk, periodical field visits, tutorials and assignments. The teaching and learning process is made easier and effective through audio-visual tools, faculty lecture contents sharing through Moodle
- ❖ The effective teaching learning process is demonstrated through peer to peer learning, case study, group discussion, mini project, faculty seminar series and student seminars
- ❖ Students are also motivated to register for online certification courses like NPTEL, Amritha Virtual Lab, and SWAYAM Prabha etc. to improve their proficiencies on par with the expectations of stakeholders
- ❖ Self-learning culture is inculcated among the students through value added courses and competitive exam preparations
- ❖ Eminent persons in various fields from industries and educational institutions are invited to lend valuable information which serves as an ideal learning platform for the students
- ❖ Students could secure university ranks on par with other affiliated colleges and exhibit academic proficiency at the department / institution level which paves the way for their career advancements, scholarships and opportunities to admissions in National / International Institutes of repute
- ❖ During the course of academic progress, learners are categorized into slow learners, average learners and advanced learners
- ❖ Activities to upgrade their technical competency for slow and average learners are considered as one of the thrust areas for overall improvement of students
- ❖ The library is opened up to 7 p.m. with Wi-Fi facility
- ❖ Capabilities of students are also enhanced through various activities and events conducted in collaboration with Professional Chapters (IEEE, ISTE, IE(I)/ Associations / Forum / Clubs) under the guidance of faculty in-charges

6.3.3 Examination and Evaluation

The end semester exams of all courses are conducted and evaluated by Anna University. The internal and model exams are convened as per the schedule given by the University and monitored by the Head of the Department. Two question papers are set based on Anna University pattern for each courses. The set question papers are audited by HoD and the answer scripts are cross evaluated. The evaluated papers, calculation of internal marks and web portal is audited by IQAC.

6.3.4 Research and Development

- Institute has to promote the research activities like publications, funding proposals, grants, patents, innovative projects, MoUs and consultancy activities among internal stake holders
- Meetings are conducted to discuss about the latest development in technology and encourage the faculty members and students to participate in the research activities and prepare articles and research proposals
- Faculty and students are motivated to involve in the innovative projects, patent registration and consultancy activities to bring creativity and scientific temper
- Research laboratories are established in the department to carry out the research/project activities among the faculty and students
- Faculty and students are motivated to publish quality research articles in refereed /SCI Journals

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Development of Computer Aided Design Laboratory
- Development of laboratories for Concrete Technology & environmental Engineering
- Mechanical R&D lab initiated
- SSCET library consists of 21367 volumes of books, 67 periodicals and 7598 e-resources/e-journals. The library has OPAC facility to access and locate the available material from the catalogue
- Wi-Fi and internet facility with 50 Mbps speed is available in both Academic and Hostel Blocks for 24 hours
- Clarity Software (A licensed tool for improving the communication skills) is available in Communication laboratory. Students can prepare for GRE/TOEFL/IELTS Examinations in Communication laboratory
- Class rooms are enabled with ICT tools and the laboratories are equipped with live demonstration models
- All computer labs are provided with an exclusive leased line internet connection which provides a basic means by which students and faculty members can share their contents. Library is fully equipped with internet connection through leased line

- The faculty and students can utilize the digital library facility on their own personal computer
- The desired learning outcomes are achieved through students' centric teaching approach like demonstration of models, periodical field visits
- Laboratories with large working space are available
- A specific hour is allotted per week in the time table for utilizing the library resources
- Digital library facility (114.29.237.18/Delnet), Training hall, Seminar hall with LCD projectors are also available to promote group discussion and knowledge sharing
- In addition NPTEL videos, MOOCs, Webinars, Online Certification Courses(NPTEL, Amritha Virtual Lab, and SWAYAM Prabha etc.), Value Added and Skill Oriented Training Courses(Staad Pro, Auto CADD, Rivet, Pro E, ANSYS, CADD, PCB Design, MATLAB, Lab VIEW, VLSI Design, Embedded Systems, Core Java, CCNA, PHP, Big Data)are also provided to the students
- Sufficient funds for development and maintenance of infra-structure and equipment were allocated during budget allocation and the progression of which is monitored by a team of faculty in-charges and administrative heads with definite roles and responsibilities. Periodic repair, regular servicing and calibration of equipment and machineries is being carried out

6.3.6 Human Resource Management

- Planned and effective mechanism for HRM involving all teachers and administrative staff entrusting them with different responsibilities
- Training programmes for the teaching and non-teaching staff
- Appreciation of achievements of the staff by felicitating them on various occasions
- The management recruits adequate number of faculty, technical staff and supporting staff required for teaching and administration. Based on the self-appraisal and the other contributions made by the faculty, they are rewarded and/or promoted
- Periodical feedbacks are taken from the students by online and counselling is given to faculty if required. Cash awards are provided to faculty for producing excellent results and journal publication. Faculty and technical staff are encouraged to take their higher studies and also to interact with experts in the industry and academia through industrial visits, internships and training programmes. The institution encourages the faculty to take part in seminars, conferences and FDP by sponsoring their expenses

6.3.7 Faculty and Staff recruitment

An announcement of faculty recruitment is published in leading dailies and college website. The received applications are scrutinized by a selection committee constituting the HOD and a senior Professors in the Department. The shortlisted candidates are informed to take their technical and HR interview. An internal technical panel is constituted for Phase-I Interview. Candidates selected in Phase-I interview will be interviewed by a panel of external technical and HR experts and offers are provided to selected candidates.

6.3.8 Industry Interaction / Collaboration

Industry interaction is carried out through signing of MoU's, consultancy work, in-plant training, internship program and industry visits to expose students and faculty members to contemporary industrial development.

6.3.9 Admission of Students

The institution admits students through TNEA counselling for government quota and management quota students are admitted based on their consortium test score and cut-off marks in HSC examination. Students with high cut-off and/or high talent consortium scores are given merit scholarship. Lateral entry students are admitted based on the CGPA secured in their Diploma course and post graduate students are admitted based on the CGPA in their undergraduate course

6.4 Welfare schemes for

Teaching Staff	<ul style="list-style-type: none"> • Group insurance • Loan facility to employees through their cooperative credit society
Non-Teaching Staff	<ul style="list-style-type: none"> • Group insurance • Loan facility to employees through their cooperative credit society
Students	<ul style="list-style-type: none"> • Group insurance • Free Breakfast • Health Centre facility • Earn & Learn Scheme • Students Aid Fund • Financial assistance to the sport persons and meritorious students

6.5 Total corpus fund generated

2160000

6.6 Whether annual financial audit has been done

Yes



No



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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO, Anna University	Yes	IQAC
Administrative	Yes	ISO, Anna University	Yes	IQAC

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

For UG Programmes Yes ☐ No ☒

For PG Programmes Yes ☐ No ☒

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

Not Applicable

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

Not Applicable

6.11 Activities and support from the Alumni Association

Institute will conduct Alumni meet both Institute level and Department level once in every year to get the critics for the institutional growth and student's welfare. Based on the feedback, the curriculum enrichment program through value added courses and soft skill training are provided. Alumni also provide training, guest lecture and mentoring for their students.

6.12 Activities and support from the Parent – Teacher Association

An exceptional Mentor-Mentee system is followed in SSCET to ascertain the progress of each and every student. The examination (internal and university scores) of the students were communicated to their parents. Mentors will be in consistent touch with the parents of their respective mentees over the phone to provide sensible support at times of poor performance in academics or any disciplinary issues. Parent - Teacher meeting will be conducted by the HoD of respective department every semester after the publication of university results to discuss about the progression of their ward in academics and extracurricular activities. Parents are free will to contact the faculty and the respective Head of the Department for any sort of clarifications or requirements. Feedback obtained from the parents about their wards and the facilities provided at the Institute level helps to assess the overall quality of education.

6.13 Development programmes for support staff

The institution takes utmost care in ensuring the growth of supporting staff as it is one of main functional aspects for any institutional growth. Supporting staffs were cheered to acquire higher qualification and trained for improving their skills. Subsidized food, accommodation, medical amenities are provided within the campus. The institution operates Women Empowerment Cell for the welfare of women staff and to create a space for them to interact and rejuvenate. Maternity leave, Transport and hostel facility at nominal cost and contribution for EPF are provided for the supporting staff.

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

- Vermi culture unit.
- Use of LED bulbs in the campus.
- E-governance and minimum use of paper.
- More than 300 trees and 5000 seeds are planted in and around Trichengode.
- Rain Water Harvesting system
- Solar panels in College and hostels
- Reuse of waste water

Criterion – VII

7. Innovations and Best Practices

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

The list of innovations and best practices are elucidated as given below and the key innovations are given elaborately:

- Centre for Research was established in the Department of Chemistry. It accommodates UG and PG students to carry-out their innovations.
- New research groups such as Electrical drives, Power Systems, Power Electronics, Structural Engineering, Water Resource Engineering, Environmental Engineering, Signal, Image Processing, Radio Frequency Communication, Computer Networks, Embedded Systems, IoT, VLSI Design, Data Science, Artificial Intelligence, Cloud Computing, Heat Exchanger, Automobile, Machining and Materials, Alternate fuels etc. were formed with faculty members working on those respective research areas. These groups collectively organise workshops, conference, etc., which resulted in submission of project proposals to external funding agencies.
- Industry Interaction with many industries in and around Coimbatore, Sankari and Salem facilitated internship and in-plant training to students and technical support for carrying out projects and Product Development.
- Interdisciplinary projects, workshops, value added courses and add-on courses are conducted for the welfare of students and members of the faculty.
- NPTEL lectures, Guest Lectures by industrial experts are arranged for faculty and students.
- Alumni meet is conducted to provide a platform for alumni interactions. Feedback from alumni is collected periodically for the improvement process. Action Plan is proposed based on the feedback to perform better.
- Knowledge sharing meeting among faculty member are conducted every week to share the advance technology in their field.
- Project/case study/problem based and experiential learning are explored by students and faculty members which increases the number of publications and patents.
- NSS clubs and JCI Local Chapter had conducted many events related to environmental protection, drug abuse, misuse of technologies, Blood donation camp ethics and values.
- The management has planted more than 100 Native trees during the year 2017-2018 jointly with Rotary club.

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

- Career guidance programs (10 nos.) were conducted for the final year and pre-final year students
- Entrepreneurship Awareness Camp (3 days.) was conducted to all the final year students
- As per the plan of Training and Placement Cell, students of final year and pre-final year were given placement oriented and technical training
- Three workshops and conference was conducted jointly with Institution of Engineers India, Salem local centre
- MOU's was signed with Greefi Technology, Hidel Power Links, Kteq Solutions, Neptune Automation, PRD Rigs India, Sony Rigs and Hydraulics Pvt. Ltd., VRV Energies India Pvt. Ltd., and Studenting Era
- Performance analysis of all departments were conducted based on the report by IQAC.
- Women Empowerment cell conducted an awareness programme jointly with National commission for women on the topic of 'Legal Aspects' which was addressed by Ms.Barbara Lydia Lawyer.
- As per the plan, the department wise review meeting was conducted in every Saturday with defined format.

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

Best Practice - I

(i) Title

Incubation centre at Sri Shanmugha IT wing

(ii) Objective

- To prepare the students as per the industry standards and make them industry ready
- To enable the faculty and the students to be globally competent.
- To enhance the quality of higher education
- To establish sustainable development through research
- Collaborations and MoUs to provide international exposure in academics, research and administration.

(iii) Context

The College strives to give great exposure to its faculty and students by offering them an opportunity to gain industry exposure and make them globally competent. In this era of globalized education and teaching, this avenue has become imperative for the sustainable growth of the institution.

(iv) Execution of the Practice

Everyday evening student and faculty went to Incubation centre and implement ideas in effective manner. Healthy discussion will give good solution.

(v) Evidence of Success

The students and faculty, who go on exchange programmes, become competent to initiate new trends and innovations in their area of specialization. The expertise and the global exposure enhance the quality of education, in terms of learning and teaching. Collaborative research leads to increased number of publications.

(vi) Problems Encountered and Resources Required

Though the Start-up companies and Incubation centre the level of knowledge is increased but self-learning is difficult because of lack of communication.

(vii) Outcome

Students updated their technical Skill and developed their own products which motivates them to attend competitions like Hackthon in district and National level.

Best Practice - II

Title of the Practice: "Mentoring System"

Goal: The objectives of the practice followed by the Institute are:

- To maintain friendly teacher-student relationship
- To counsel the students to solve their personal problems and academic problems
- To teach the ethics of professional and personal life
- To guide the students to choose right career path for job, higher studies, Entrepreneurship, etc.

The Context:

The following are the issues which motivated the college to implement the mentoring system.

- A student needs mentoring support to face the challenges of the society and to achieve academic excellence
- The system is intended in addressing conflicts in attitudes, habits, and knowledge of the students towards learning practices
- Supporting methods have been introduced for better coordination of lectures, tutorials and practical classes
- Towards the end of semester, students work collaboratively on assignments in small groups in their practical classes

The Practice

- The Practices that may be unique in the education and constraints or limitations faced during their implementation are described here. Mentor Cards (MC) has been introduced as a record keeping document for the students under the mentors for monitoring and analysis of the practice on regular basis.
- Batches of 20 students are allotted to a mentor
- Each mentor maintains the history cards of allotted students
- The Mentors intimates the Parents/Guardians on the day of absence through message. Further, they will be also informed their ward absences without prior notice over phone.
- The mentors take initiative to arrange remedial and tutorial classes for slow learners
- Each mentor maintains the entire student information, which is examined by the HOD and others concerned when necessary
- Mentors take active initiative steps for the requirements given by the students during feedback. Mentors meet with each group during the semester to discuss academic and non-academic issues

The issues include:

- Personal problems
- Good and bad study habits
- Study planning and techniques
- How to make the most of lectures and practical classes useful
- Distractions if any, and how to cope with them
- Examination preparation
- Health issues etc.

In addition, the students are allowed to meet their mentors during break hours without constraints. Such consultations remain confidential on case basis

Evidence of Success

- Evidence of success in performance against targets and benchmarks and review of results given below
- Student's attendance will be maintained at least 80%
- The direct communications between mentor and students have nurtured the teacher-student relationship
- Academic performances of the students have improved
- Participation in extra-curricular activities has been enhanced
- Students become more disciplined compared to their initial sessions

Problems Encountered and Resources Required

- There are some problems identified and resources provided to implement the practice. These are:
- Apart from regular theory and practical classes, allocating sufficient time for one to one student interaction through mentorship program sometimes becomes a constraint for the faculty.
- However, the institute encourages and appreciates such activities through the annual appraisal of the faculty
- Financial budgetary requirements has been planned to organize workshops by hiring external experts in the subject of mentorship, organizational behaviour and stress management on regular basis

Outcome:

- Effective Mentoring system is followed in which every 20 students has a mentor for improving the academic and personal development
- Strengthening the bond between teachers and students, leading to a better learning atmosphere
- Mentoring System is done from the first year and mentor will continue to monitor the progress of the students and their academic needs till the end of the course and counsel them if required.

7.4 Contribution to environmental awareness / protection

- Constructed toilets at Pullipalayam village near the college through NSS voluntaries
- Volunteers donated blood to many patients in and around Thiruchengode
- Tree Plantation
- Minimized water Wastage
- Deployment of LED Lamps
- Minimized food wastage in hostel
- Safe disposal of laboratory waste and e-waste
- Motivated the students to protect environment and promote cleanliness to prevent pollution

7.5 Whether environmental audit was conducted? Yes ☒ No ☐

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

1. SWOC Analysis

STRENGTH

- Dedicated visionary management focused on academic excellence and quality
- Well qualified and experienced team of faculty
- State- of- the-art infrastructure facilities for effective teaching learning process
- Highly equipped laboratories furnished with latest systems configuration and recent software's
- Constant focus on teaching learning process
- Environmental friendly green and serene campus conducive for learning
- Membership in professional bodies like ISTE, IE(I), SAE, CSI, CIL, ICTACT
- The institution frequently organizes workshops, symposium, conference and faculty development programs
- Proactive Training and placement cell plans and execute well-structured placement training and soft skill development programs to students
- A well-equipped library with more than 20,000 volumes of book, and facility to access digital learning resources
- Fully equipped indoor-outdoor sports facilities with flood lighting
- The entire campus is well backed by 3 diesel generators with a total capacity of 212 KVA
- Quality initiative through IQAC

WEAKNESS

- Located in rural area with maximum no.of. students from rural background
- Lack of patent registration
- Lack of Research and consultancy activities since the institute is in the initial stage

OPPORTUNITIES

- Establishment of research centres and centre of excellence in all departments
- Development of consultancy activity for optimal utilisation of laboratory facilities
- Patent registration for the innovative projects of the students
- Encouraging faculty to acquire Ph.D. qualification and publish more research papers in indexed journals

CHALLENGES

- To develop rural student's communication and soft skills to face the urban environment
- Enrich the students to participate and clear national and state level competition examinations such as GATE, Civil services, Engineering services, GRE and TANCET etc
- To achieve 100% placement for all eligible students
- Fluctuating demand of the job market in engineering branches

2. Institute Recognition

- Approved by AICTE and affiliated to Anna University
- Accredited by NAAC with B+ Grade
- Approved by NSDC (National Skill Development Corporation), we're under TUR Stage.
- DDU-GKY Project Qualified
- From PMKVY (Pradhan Mantri Kaushal Vikas Yojana) under 5 Star Category
- From EDC, Received Centre of Excellence by ESDA
- Certificate By ISO 9001:2015

3. Recognized Academic Partners

- IE(I),CSI
- Confederation of Indian Industry
- ICT Academy of Tamil Nadu (ICTACT)
- IMTI Training Institute
- NPTEL and NDL

4. Achievements

- NIRF (National Institute of Ranking Framework) Participated
- AISHE (All India Survey on Higher Education) participated and fund received Rs.3000 for Nodal officer
- Received Centre of Excellence from Entrepreneurship And Skill Development Association (ESDA), New Delhi for our Entrepreneurship Development cell (EDC)

Event Participated and Recognised by AICTE

- Swachhta Ranking and Swatcha Bhawatha
- AICTE Clean India 2018 Contest

- Nodal centre of Oracle through ICTACT and Cyber Security

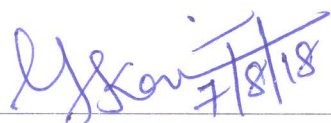
5. Institute Rating:

- SSCET stands always among the top 15% in the overall university ranking, among the 500+ engineering colleges in the state, affiliated to Anna University

6. Plans of institution for next year.

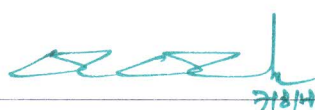
- To start consultancy work in all the department and enhance Industry Relations
- To achieve higher pass percentage in the semester examination
- To enhance educational and Research collaborations Internationally with best outcome
- To submit SSR and complete AQAR process
- To get accredited by NBA for Electronics and Communication Engineering & Mechanical Engineering
- To establish a job portal and improve the employability opportunity
- To seek online feedback from students at Entry and Exit levels
- To Creating centres of Excellence and Extension activity of leading industry
- One-day workshop on Research Project for students
- Course-wise alumni meet for students
- Result analysis of the university examinations to be enriched by IQAC

Name Dr. G. KAVITHA



Signature of the Coordinator, IQAC

Name Dr. R. Radhakrishnan



Signature of the Chairperson, IQAC
