



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		SRI SHAKTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution		Dr.S.Prakash
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		0422-2369900
Mobile no.		9443687165
Registered Email		principal@siet.ac.in
Alternate Email		srishakthi06@gmail.com
Address		Sri Shakthi Nagar L & T By pass Road Coimbatore - 641 062
City/Town		Coimbatore
State/UT		Tamil Nadu
Pincode		641062

<b>2. Institutional Status</b>																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	12-Feb-2019																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	Self financed																		
Name of the IQAC co-ordinator/Director	Dr. K. E. Kannammal																		
Phone no/Alternate Phone no.	04222369900																		
Mobile no.	9843633389																		
Registered Email	kek@siet.ac.in																		
Alternate Email	iqac@siet.ac.in																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="http://siet.ac.in/iqac">http://siet.ac.in/iqac</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.siet.ac.in/downloads/Academic-Calendar-2019-20.pdf">https://www.siet.ac.in/downloads/Academic-Calendar-2019-20.pdf</a>																		
<b>5. Accrediation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.08</td> <td>2018</td> <td>26-Sep-2018</td> <td>25-Sep-2023</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.08	2018	26-Sep-2018	25-Sep-2023
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.08	2018	26-Sep-2018	25-Sep-2023														
<b>6. Date of Establishment of IQAC</b>	13-Sep-2014																		
<b>7. Internal Quality Assurance System</b>																			
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															
Faculty Evaluation based		11-Jul-2019		243															

on Performance Evaluation Matrix including the Key Performance Indicators that reflect the standards set by Accreditation Bodies such as NAAC, NBA, etc	5	
Review of Autonomous Curriculum and Delivery by IQAC - to ensure the Quality Improvement Parameters	19-Sep-2019 2	243
Faculty Induction Program for conducting Online Classes due to COVID 19 LOCK DOWN	08-Apr-2020 1	186
<a href="#">View File</a>		

**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 Shakthi Institute Of Engineering And Technology	Fund for Improvement of ST Infrastructure in Higher Educational Institutions	DST-FIST	2019 1825	6100000
Dr.K.Navaneetha Pandiyaraj	SERB- Seminar and Symposia Grant	DST-SERB	2019 3	200000
Dr.K.Navaneetha Pandiyaraj	BRNS Seminar and Symposia Grant	DAE-BRNS	2019 3	50000
Dr.K.Navaneetha Pandiyaraj	Extra Mural Research Grant	DST SERB	2019 365	600000
Dr. D. Karunanidhi	Indo-US Science and Technology Forum: IUSSTF	IUSSTF	2020 3	700000
Dr. D. Karunanidhi	ECR Research Grant	DST SERB	2019 3	700000
Dr. Somasundaram	Research Promotion Scheme (RPS)	AICTE	2019 1095	650000
Dr.K.E.Kanammal	Quality Improvement Schemes (AQIS)	AICTE	2019 12	538500
Dr.S.Bhavani	MODROB	AICTE	2019 730	1200000

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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**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 File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

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

1. Support for NBA Accreditation

2. Provided support for receiving Autonomous Status for the Institution and ensured the quality of the syllabus and Curriculum

3. Participation in NIRF

4. Introduction of Key Performance Indicators for Performance appraisal

5. Improving the Overall research and Quality Culture of the Institution and Conducting Audits

[View File](#)

**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
Implementing Experiential Learning	A new Course "Engineering Exploration" was introduced in Association with NETRA - An IESA Initiative.
Improve the Financial Stability of the Institution by applying Funds	Number of Funds applied and Granted were significantly increased to ~ 95 Lakhs
Improvement in Student exchange and Faculty Exchange with Foreign	MOU signed with University of California Riverside for the Student

Universities	Exchange Program.				
Improvement in Faculty Empowerment	FDP attended by faculty in Industry/ in house training on recent technology is improved.				
<a href="#">View File</a>					
<b>14. Whether AQAR was placed before statutory body ?</b>	Yes				
<table border="1" style="width: 100%;"> <tr> <th style="width: 50%;">Name of Statutory Body</th> <th style="width: 50%;">Meeting Date</th> </tr> <tr> <td style="text-align: center;">Governing Body Meeting</td> <td style="text-align: center;">14-Jun-2019</td> </tr> </table>		Name of Statutory Body	Meeting Date	Governing Body Meeting	14-Jun-2019
Name of Statutory Body	Meeting Date				
Governing Body Meeting	14-Jun-2019				
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No				
<b>16. Whether institutional data submitted to AISHE:</b>	Yes				
Year of Submission	2020				
Date of Submission	14-Jan-2020				
<b>17. Does the Institution have Management Information System ?</b>	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	1. The Management Information System majorly focuses on maintaining the student and staff information. The system has the following modules 1. Academic Module 2. Student Attendance Management 3. Internal Marks Management 4. End Semester Marks management 5. HR management The Institution also has a Library Management Software used in the library Tally is used for accounts maintenance				

### 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
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>		
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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	AGRICULTURAL ENGINEERING	12/06/2019
BE	BIOMEDICAL ENGINEERING	12/06/2019
BE	CIVIL ENGINEERING	12/06/2019
BE	COMPUTER SCIENCE AND ENGINEERING	12/06/2019
BE	ELECTRONICS AND COMMUNICATION ENGINEERING	12/06/2019
BE	ELECTRICAL AND ELECTRONICS ENGINEERING	12/06/2019
BTech	FOOD TECHNOLOGY	12/06/2019
BTech	INFORMATION TECHNOLOGY	12/06/2019
BE	MECHANICAL ENGINEERING	12/06/2019
ME	CAD/CAM	12/06/2019
ME	COMPUTER SCIENCE AND ENGINEERING	12/06/2019
ME	EMBEDDED SYSTEMS	12/06/2019
ME	STRUCTURAL ENGINEERING	12/06/2019
BTech	BIOTECHNOLOGY	12/06/2019

## 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
<b>No Data Entered/Not Applicable !!!</b>		
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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
<b>No Data Entered/Not Applicable !!!</b>		
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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

Feedback on the teaching-learning process is received from students as Students satisfaction survey based on a structured questionnaire framed and approved by the IQAC of this college. The questionnaire link is available on the institutional website and Students can drop their filled in feedback form in the feedback receiving boxes present in the college campus. The received feedback is then analyzed and necessary suggestions are given based on this feedback. Teachers provide informal as well as formal feedback to the head of the institution on different academic, administrative and other affairs related to the college. Members of anti ragging committee and Internal complaints committee also receive feedback from students through class campaigns. Grievances (if any) and necessary suggestions can be registered to the Grievance Redressal cell of the college through the box fixed in the College campus, the cell composition is altered every year at the beginning of academic session. Departments receive feedback from parents through parent teacher meetings and discuss different issues related to the overall development of their ward.

## 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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

### 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	2803	65	226	20	Null

### 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 Tools and resources	Number of ICT enabled	Number of smart classrooms	E-resources and techniques used
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	ICT (LMS, e-Resources)	available	Classrooms		
246	246	3	104	1	5
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### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The student mentoring system plays a vital role in the institution and the objectives are: • To develop effective communication and visibility between staff members and students. • To mentor students to meet the current industry requirements and seek training and career opportunities • To identify and address the problems of students in personal and academic background and provide the solutions • To encourage the students in advanced learning methodologies and make them to do projects relevant to their career prospects • To reduce drop-out ratio • To encourage the students to participate in various co-curricular and extracurricular activities At the beginning of every Academic year, orientation sessions are organized for all students to understand the mentoring system. Academic Calendar is being shared with the students by the department. 15 students are assigned to each mentor and their profiles are maintained to track their progress. Academic and Personal Counselling is provided through mentoring. Frequent student interaction is done through one to one meeting, social networking sites, class committee, and other academic committees. The wards' performances are communicated to the parents regularly, and special counselling is also provided for both the students and parents. Students are highly motivated wherever necessary to participate in extra/ co-curricular activities and also to upgrade their skills to meet the current industry trends. Economically weaker students are guided to obtain a scholarship from the college, government, and various trusts. Special coaching classes are given for slow learners. The outcome of the mentoring system in the current year • Significant improvement in the teacher student relationship • A progression in Students' participations and awards in co-curricular and extracurricular activities including women empowerment. • Placed Students in high profile companies • Pursuing their master's in prestigious institutes in and around the world • Shown outstanding performance in sports tournaments • Organized different events of intercollegiate district sports and games championship

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2868	246	1:11

## 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
39	43	Nil	43	12

### 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
2020	Nil	Nil	Nil
<a href="#">View File</a>			

## 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
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No Data Entered/Not Applicable !!!

[View File](#)

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
2	2868	0.06

## 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)

<http://siet.ac.in/>

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
No Data Entered/Not Applicable !!!					
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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://www.siet.ac.in/downloads/Student-Satisfaction-Survey-2020.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

Yes
Name of the teacher getting seed money
K. SATHEESH
<a href="#">View File</a>

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
International	Dr.M.Nirmala	Research Leadership Award (RULA Awards) 2020	26/01/2020	Research Leadership Award (RULA Awards) 2020
National		Best	15/03/2020	IITM

	Dr.A.Kalaiarasi	executive member		
National	Mr.S.Dhamodharan	The confederation of Elite Academicians IICDC 2019	02/02/2019	AICTE
International	Dr.A.Allwyn Sundarraaj	Best Reasearcher Award	04/07/2020	VDGOOD PROFESSIONAL ASSOCIATION
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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
Minor Projects	120	Entrepreneurship Development and Innovation Institute, Tamil Nadu	0.1	0.1
Major Projects	1095	DST-SERB	36.56	6
Major Projects	365	IICDC in NSRCEL	25	10
Major Projects	1095	DST-SERB	26.27	26.27
Major Projects	1825	FIST, Govt of India	61	61
Major Projects	730	AICTE	6.5	6.5
Major Projects	730	AICTE	12	9.6
Minor Projects	365	PSG Institute of advanced sciences	0.25	0.25
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#### 3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

5
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### 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
First International Conference on advances in plasma science and technology	Physics	12/02/2020

Current trends and post covid-19 future of medical electronics in India	BioMedical Engineering	03/06/2020
Recent trends in Biomedical Instrumentation	BioMedical Engineering	06/02/2020
Role of diagnostic imaging in Radiotherapy-	BioMedical Engineering	10/06/2020
Real Time Implementation of LoRa WAN for IoT application	EEE	29/11/2019
The demand and requirement of companies from an Engineering Student and College	EEE	13/09/2019
INTEGRATED HYDROCHEMICAL MODELING FOR SUSTAINABLE DEVELOPMENT AND MANAGEMENT OF WATER SUPPLY AQUIFERS	CIVIL	02/01/2020
Molecular docking	BIOTECHNOLOGY	06/02/2020
National Conference on Make in India for the Biotech way forward-2019	BIOTECHNOLOGY	30/08/2019
Guest Lecture on Electronics and Inauguration	ECE	27/09/2019
Workshop on Embedded with their Products	ECE	28/09/2019
Seminar on PLC Automation	ECE	10/01/2020
Guest Lecture on Electronics	ECE	22/01/2020
Project Expo	ECE	02/02/2020
Seminar and Workshop	ECE	10/07/2019
Guest Lecture On Embedded	ECE	14/02/2020
Guest Lecture on Electronics Automation	ECE	27/02/2020
Blockchain webinar	IT	03/07/2019
Machine Learning webinar	IT	30/05/2020
Hands on training on Machine learning using Python	ECE	03/03/2020
One day workshop on Machine learning	CSE	17/06/2019

Software Testing	CSE	05/07/2019
Hackathon 2020	CSE	07/02/2020
Importance of Google Analytics in Digital Marketing	CSE	12/05/2020
Blitz 2020- Project Expo	CSE	08/02/2020
One day workshop on Skills for Work	ENGLISH	28/02/2020
One day workshop on Email writing	ENGLISH	19/02/2020
Heat Transfer and Computational Fluid Dynamics Towards Industrial Applications	MECHANICAL ENGINEERING	07/11/2019
3D Printing-Revolution in Manufacturing	MECHANICAL ENGINEERING	20/01/2020
Emerging Technologies in Robotics	MECHANICAL ENGINEERING	10/04/2020
Industry 4.0	MECHANICAL ENGINEERING	15/05/2020
Future Aspects in Food Technology	FOOD TECHNOLOGY	09/05/2020
National Conference on Rescent Trends in Civil Engineering	CIVIL ENGINEERING	10/04/2020
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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
7th INTERNATIONAL SCIENTIST AWARDS ON ENGINEERING, SCIENCE AND MEDICINE	Dr.A.Allwyn Sundarraj	VDGOOD PROFESSIONAL ASSOCIATION	04/07/2020	7th INTERNATIONAL SCIENTIST AWARDS ON ENGINEERING, SCIENCE AND MEDICINE
Best executive member	Dr.A.Kalaiarasi	IITM	15/03/2020	Best executive member
Nutrient Carrodate cake	Keerthana K	Dupont Nutrition Health-South Asia	29/11/2020	Nutrient Carrodate cake
The confederation of Elite Academicians IICDC 2019, AICTE	Mr.S.Dhamodhan	All India Council for Technical Education (AICTE)	17/01/2019	The confederation of Elite Academicians IICDC 2019, AICTE
Anti-MRSA		Central	13/01/2020	Anti-MRSA

activity and LCMS analysis of Irasavallathi Ilakam (Siddha polyherbal Formulation)	Ms.J.Janupriya	Council for Research in Siddha		activity and LCMS analysis of Irasavallathi Ilakam (Siddha polyherbal Formulation)
Reviwer for Journal of Pharmaceutical Sciences	Dr. Sanjeeb Kumar Mandal	Journal of Pharmaceutical Sciences	05/11/2019	Reviwer for Journal of Pharmaceutical Sciences
A low cost mini household STP (Sewage treatment Plant)	Elizabeth Angel, Bharath Kumar.M, Bruce Joshua Sinclair	Entrepreneurship Development and Innovation Institute, Tamil Nadu	30/05/2020	A low cost mini household STP (Sewage treatment Plant)
Quantitative and qualitative estimation of bacteria present in water purifying systems.	Mr. Dilip Saravanan Ms. Deepa Jothi	IIT Madras-Techpark	26/02/2020	Quantitative and qualitative estimation of bacteria present in water purifying systems.
PSG Nano challenge 2019-Isolation of RNA through Nano particles	Ms.S.Y Aishwarya	PSG Institute of Advanced Sciences	11/12/2019	PSG Nano challenge 2019-Isolation of RNA through Nano particles
International Innovative Researcher in Signal and Image Processing	Dr.M.Nirmala	Research Leadership Award (RULA Awards) 2020	06/01/2020	International Innovative Researcher in Signal and Image Processing
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### 3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
KARUVARAI	KARUVARAI	Ducen Pvt Ltd	Plant Broz	Manufacturing	14/06/2019
KARUVARAI	KARUVARAI	Ducen Pvt Ltd	TERAWE	IOT	04/06/2019
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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
Physics	2
EEE	3
CIVIL	1

IT	2
CSE	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	BIOMEDICAL ENGINEERING	6	Nil
National	MECHANICAL ENGINEERING	1	Nil
National	MATHEMATICS	1	Nil
National	BIOTECHNOLOGY	1	Nil
International	PHYSICS	14	2.3
International	BME	8	1.3
International	EEE	17	1.1
International	BT	2	0.78
International	CIVIL	12	2.3
International	ECE	38	2.4
<a href="#">View File</a>			

#### 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
CSE	13
AGRI	9
BT	15
CIVIL	5
ECE	10
EEE	9
FT	3
IT	4
MECH	10
PHYSICS	2
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#### 3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
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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
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Nil	Nil	Nil	2020	Nil	Nil	Nil
<a href="#">View File</a>						

### 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
Nil	Nil	Nil	2020	Nil	Nil	Nil
<a href="#">View File</a>						

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

Number of Faculty	International	National	State	Local
Resource persons	1	8	Nil	Nil
Attended/Seminars/Workshops	7	141	20	3
Presented papers	24	17	Nil	Nil
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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)
No Data Entered/Not Applicable !!!			
<a href="#">View File</a>			

### 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
No Data Entered/Not Applicable !!!				
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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
No Data Entered/Not Applicable !!!			
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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
Participation of Republic Day Camp	Cash prize of Rs.10,000	Sri Shakthi Institute of	1

at Delhi, 2019

Engineering and  
Technology

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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
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No Data Entered/Not Applicable !!!

[View File](#)**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
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No Data Entered/Not Applicable !!!

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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
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No Data Entered/Not Applicable !!!

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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
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No Data Entered/Not Applicable !!!

[View File](#)**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
110	107

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
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
<a href="#">View File</a>	

#### 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
Autolib Software	Partially	Version 5.5	2007

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	20853	7735546	329	63506	21182	7799052
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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
S.Hemalatha	Data Structures	Examly	06/01/2019
N.Saranya	Database Management Systems	Examly	06/01/2020
R.Karthiban	Database Management Systems	Examly	06/01/2020
<a href="#">View File</a>			

#### 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	1282	15	200	1	1	10	80	200	0
Added	40	3	300	1	1	0	0	300	0
Total	1322	18	500	2	2	10	80	500	0

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

500 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
Google class room	<a href="https://classroom.google.com/u/0/h">https://classroom.google.com/u/0/h</a>

#### 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
175	159.93	1305	1284.69

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)

All the equipment, instruments, machinery are appropriately used and maintained as recommended by the manufacturers to minimize wear and tear and damage. The institution generates a list of genuine vendors for maintaining and up-keeping the infrastructure and maintenance of the college. Whenever a department concerned needs a requirement or maintenance, the respective staff member forwards a letter of request to the Principal through the Heads of the department with proper justification for the same. The request is further forwarded to The Chairman of the institution with recommendations from the Principal. After getting approval from the chairman, the staff member take up the issue and call for the appropriate vendors available in the list recommended for the estimate. On getting approval from the management for the estimate, the work is assigned to the vendor through the purchasing department. If the instruments are in the annual maintenance/ guarantee period, the information is directly conveyed to the Principal and the service action is carried out by the department. Each department ensures that the equipment is working properly without error by making a calibration test annually and whenever needed. As a procedure, one instrument from each segment is calibrated and the remaining instruments are calibrated once a year. This ensures precision and good maintenance of instruments which are made available to the students during their practical sessions.

<http://siet.ac.in/procedures-and-policies>

#### 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	Merit / Top3 CGPA/ Attendance/ Sports / IEEE Students Chapter / Extra curricular Performance Scholarship	851	18616800
Financial Support from Other Sources			
a) National	First Graduate /BC/ MBC/SC/ST	1307	29490797

b) International	Nil	Nil	Nil
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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
Remedial coaching	05/08/2019	494	SIET - Class Ward Counselor and class advisor
Soft skill development	28/02/2020	2787	SIET - Career Development cell
Language lab	09/12/2019	2784	SIET English dept. Faculty
Bridge courses	10/07/2019	509	SIET -SH Faculty
Yoga and Meditation	21/06/2019	250	SIET- Yoga Club coordinator
Personal Counseling and Mentoring	03/09/2019	2695	SIET - Class Ward Counselor and class advisor
<a href="#">View File</a>			

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
2020	GATE/GMAT/ CAT/GRE/TOFE L/Civil Services/State government examinations/ Bank Coaching/ Career Development	263	815	17	670
<a href="#">View File</a>					

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
2	2	15

## 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
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

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	B.E	Agri	Kongu Engineering college	M.Tech Food Technology
2020	3	B.E	BME	Ulster University, Ireland	M.Tech (Biomedical Engineering)
2020	2	B.Tech	Biotechnology	PSG College of Technology	M.Tech (Biotechnology)
2020	2	B.Tech	Biotechnology	Kumaraguru College of Technology	M.Tech (Biotechnology)
2020	1	B.Tech	Biotechnology	University of Western Australia	M.S (Biotechnology)
2020	2	B.Tech	Biotechnology	Bannariamman Institute of Technology	M.Tech (Biotechnology)
2020	1	B.Tech	Biotechnology	Amrita School of Business, Kochi	M.B.A
2020	1	B.E	Computer Science and Engineering	Sri Shakthi Institute of Engineering and Technology	M.E(Computer Science and Engineering)
2020	1	B.E	Computer Science and Engineering	Rathinam College of Engineering and Technology	M.E(Computer Science and Engineering)
2020	1	BE	ECE	ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY, AUSTRALIA	ME (ELECTRICAL & ELECTRONICS ENGINEERING)
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year  
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	8
Any Other	23
GRE	1
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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
Velan Thiruvizha 1	National	10000
Kalam - Inter College Techno Cultural Fest 1	National	2600
Blitz Project expo20 1	National	150
Sri Shakthi Inter School State Basketball Boys Tournament - 2019 1	State	20
SRI SHAKTHI SUPER T-20 South India Inter School Cricket Tournament 1	National	40
Anna University zone -9 Men Cricket Tournament -2019, 1	state	19
4th Sengoda Gounder Basketball Tournament-2019, 1	National	20
1st SRI SHAKTHI TROPHY - 2020 Interschool Ball Badminton 1	National	18
Sri Shakthi State level Inter School Sports Events-2019, 1	state	1320
Tricky circuits-Innovative Circuit Designing 1	National	85
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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
2020	Anna University Zonal - Gold	National	1	Nil	71401611 4072	V.MITHUN CHANDAR
2020	Anna University	National	1	Nil	71401711 4133	G.UDHYAK UMAR

	Zonal - Gold					
2020	Anna University Zonal - Gold	National	1	Nil	71401711 4050	S.JAYAVI GNESH
2020	Anna University Zonal - Gold	National	1	Nil	71401840 2003	N.P.VIGN ESH
2020	Anna University Zonal - Gold	National	1	Nil	71401840 2001	N.KRISHNAN
2020	Anna University Zonal - Gold	National	1	Nil	71401610 8035	T.DINESH KUMAR
2020	Anna University Zonal - Gold	National	1	Nil	71401610 8040	A.GOPI
2020	Anna University Zonal - Gold	National	1	Nil	71401610 8075	C.PALANI
2020	Anna University Zonal - Gold	National	1	Nil	71401610 6503	B.U.THIR UMURUGAN
2020	Anna University Zonal - Gold	National	1	Nil	71401810 6048	S.NAVEEN
<a href="#">View File</a>						

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

College creates a platform for the students to actively participate in various academic, administrative bodies. It significantly improves the student's leadership and organizational skills. Every department has an active student association and the office barriers are selected based on their academic performance and leadership skills. The association is monitored by senior faculty members who are responsible for the smooth conduct of the association meetings and events. The department student association plays a dominant role in conducting technical events and contests. Special Lectures on current educational and industry scenarios by Eminent speakers and industrialists, Seminars, Workshops, Symposium, National and International Level Conferences and Intercollegiate meet to develop the personality and leadership skills of the student's. Student association also celebrates important days like National Festivals, Birth/Death Anniversaries of national leaders, International Women's Day, International Yoga Day, Sports Day, Nonviolence Day, Teachers Day, Freshers Day, Farewell Party, Farmers day, Joy, etc. They also involve in organizing cultural festivals like Intercollegiate Meet KALAM, College Day,

Sports Day, Onam, Pongal, Velan Thiruvizha, etc. Students participate in class committee meetings, IQAC meetings, Hostel Meeting, and Sports meet. The students feedback about infrastructure, teaching learning, curriculum development is always considered for future enhancement.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Association of the college has been registered (Registration Number: 329/2017). The Sri Shakthians Alumni association started functioning from the year 2011-12. Alumni Association Registration form would be circulated to alumni and the members would be registered during graduation day. Alumnus can give guest lectures to the junior students, guide the final year students project during the time of review, donate new books to their department libraries and also giving career guidance.

5.4.2 – No. of registered Alumni:

5468

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

14000

5.4.4 – Meetings/activities organized by Alumni Association :

1. ONDRAAGA ALUMNI MEET - 2020 was conducted on 11.01.2020. Agenda of the event included Sports, Fun events, Interaction with Juniors, Photo Booth, Tree plantation, and Ballon Bursting Events. 2. Mock Intreview for Pre-Final Year Students was conducted by the alumini of our college between 17.10.2020 to 18.10.2020. Mock interviews for pre-final years of the departments, EEE, ECE, CSC, IT, and MECH were conducted by Mr Balaji - Mak Controls amp Systems (2017 batch) and Mr. Rajesh Kanna - ISRO (2013 batch) 3. Blitz Project expo#3920 - Alumni interaction and Guest was conducted on 02.02.2020. The students showed profound interest and interacted with our alumini guests Mr Gugan (Zentron labs), Mr. Elango (Lennox) and Mr.Praveen Rahul (Zilogic systems)

### 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)

The governing council empowers the Principal to plan and execute the strategies approved by the council, through decentralized governance by delegating authority to all Deans, HODs, various administrative bodies, committees, and cells at various levels for better performance thus promoting a culture of participative management. To collectively take decisions, various committees such as Class Committee, IQAC, Go Green Committee, IQAC have been formed. The recommendations forwarded by various committees along with the feedback/suggestions of all stakeholders are given due importance during the decision-making process. HODs have operational autonomy in academic pursuits and decision making at the department level. The faculty members are given the responsibility of organizing various academic events and coordinating the professional society/club activities. The Class Advisors and Ward Counsellors play a major role in effectively monitoring the student discipline and tracking their overall performances. Various extension activity units such as NSS, Socio Eco Club, Step Up Club, etc., are playing a vital role in the holistic development of the students' community. Practices of Decentralization and Participative Management during last year: Academic Improvement and Curriculum

Development: Academic decisions pertaining to the introduction, revision, and reformulation of courses and syllabi are taken by the Academic Council considering the feedback from all the stakeholders. The members of the Board of Studies, Research and Development Cell, and Program Assessment committee function in a coordinated manner to make decisions with respect to academic and research related issues. Improvement at programme level is possible when the programs are monitored based on the attainment of the programme outcomes as specified. Programme Assessment Committee and IQAC at the department level support the Head of the Department in executing academic and administrative activities effectively. PAC and Department IQAC Coordinators are empowered to validate and assure the quality culture of the department in providing outcome-based education. Velan Thiruvizha - Agri Fest ( quantity to be mentioned) As a gesture of thankfulness to the Farming Community, an annual Flagship event - Velan Thiruvizha was organized and around 5000 public was invited to be the guests and participants. All department students, clubs, faculty, and the management joined hands together for the successful conduct of the event. Students and faculty in charge were assigned to every event. The events were managed by the respective committees from various departments. A Cultural Evening was organized by the Step Up club, which acted as the platform for displaying various traditional Tamil art forms and culture. Media Guild - The Video and Photography Club helped in capturing the moments of the event. The department associations organized various seminars and workshops related to Farming. They were given autonomy in planning, budgeting, and conducting the events.

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

Partial

## 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	New Regulation and Curriculum matching the industrial needs were be developed for all the courses offered at the institution from 2019 Batch onwards, in order to prepare professionally trained and educated engineering graduates who can face the challenges and make a difference in the society. The institution has also implemented a fully flexible credit system starting from the year 2019. The institute has benchmarked its curriculum with the top universities in India and also abroad. Around 200 syllabuses were designed. All maths papers were designed specifically to address the application in the respective departments.
Teaching and Learning	Industrial exposure and experiential learning is incorporated in all courses. For continuous skill development for the faculty and non teaching fraternity, 34 training programs / Faculty Development Programs were conducted throughout the year and



515 participants were benefited. Students are highly motivated by mentors to upgrade their technical and career skills. Students are facilitated to expose their skills in extra and co-curricular activities. The progress of the students is updated to parents on a regular basis. Various initiatives have been taken to collaborate with foreign universities for Faculty Student exchange programs. The institute also support teaching and non-teaching faculty for pursuing their higher studies on part time registration mode by providing On duty.

Examination and Evaluation

The printed answer booklets are supplied to the students to write the Internal Assessment Test. Two sets of question papers are set based on Blooms taxonomy and are collected from question paper setters and anyone of the question paper is selected. The question paper set by the faculty is scrutinized by the Program Assessment Committee and it is approved by the HOD, Principal and Director for submission to Academic cell. The Hall and Seating plan are made following the same procedure as the End Semester Examination. The Central Evaluation is followed.

Research and Development

Adequate information and guidance to the faculty members to obtain RD projects from various national funding agencies were provided. The eligible departments of the institution will get research Centre status from Anna University , Chennai. Categorizing the faculty members who have orientation towards research activities and encouraging their publication to submit in high impact factor journals and filling patent. Arranging periodical colloquium / seminars to provide academic support and guidance to students and researchers. Encouraging multi-disciplinary research activities internally within the institute and externally with other reputed Institutions / research centres in India and abroad.

Library, ICT and Physical Infrastructure / Instrumentation

The institution will continue to upgrade sporting infrastructure to support 25 different sports including Kabadi, Frisbee for the benefit of the students. The development of enhanced teaching and learning resources and

facilities will be pursued as a matter of priority. The institution will provide facilities to support access to online learning resources, magazines, journal transactions.

Human Resource Management

SIET adopts a holistic approach in augmenting the faculty members skill set, building culture, engagement, improving capability, and capacity through integrated recruitment as per the institutional goals. HR Policy includes Recruitment, Induction, Goal Setting, and Performance Appraisal. The Key Performance Indicators (KPI) are framed for the faculty appraisal. They are framed based on the requirements of various accreditation bodies. It includes the pedagogical initiatives of faculty members in the teaching-learning process, the students' feedback score, their contribution in mentoring the students for their Project and Career, contribution in research, imparting employability skills, Participating in Extension/outreach activities, and industry interaction. 90 Faculty Members were benefited by the welfare schemes for professional Development.

Industry Interaction / Collaboration

Faculty members are encouraged to interact with Industries constantly to understand their needs, which help them to understand the Industry Academia gap. The institution established 9 MoUs for Internship, Curriculum development, for reviewing the projects. Constant Industry interactions were arranged with students

Admission of Students

School Visits - to aware about the activities performing in our institutions. Conducted various competitions to the school students. - Agni Siragugal and also Seminar and workshop to help them choose their career. Scholarship admissions given to the economically poor students. Connecting with Alumni to update the activities happening in our institutions. Options to study native languages like Tamil, Malayalam. Participating in Edu Fair in Various Locations. Scholarship provided to Sports students (State and National Winners). Time Management Tips issued to 12th Standard school students to prepare for the exams well in advance. Invited School Students to our college

for Campus tour from various places.

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

E-governance area	Details
Planning and Development	Examly - Learning Management System Auto Lib Software Systems, autolib@yahoo.com
Administration	Nest weaver, kr@nestweaver.com
Finance and Accounts	Tally Software is used for accounting
Student Admission and Support	Nest weaver, kr@nestweaver.com Implemented since 2010 Linways for students attendance management and learning Management
Examination	E Nova Exam Management System enovasolutions.com

### 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
2020	Nil	Nil	Nil	Nil
<a href="#">View File</a>				

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)
2020	Nil	Nil	Nil	Nil	Nil	Nil
<a href="#">View File</a>						

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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
57	57	10	10

## 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
9	7	12

**6.4 – Financial Management and Resource Mobilization**

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

Yes, the college has both Internal Audit External Audit mechanism. Internal Audit: Internal Audit is done by Mr.T.S.Lakshmi Venkatraman, B.Com and the scope are Verification of all bills and vouchers, Annual audit of the College accounts External Audit: Statutory Audit is done by Mr.T.S.Lakshmi Venkatraman, B.Com Gokulam Co., audit the trust accounts and are responsible for filing of returns with IT dept and others.

## 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
No Data Entered/Not Applicable !!!		
<a href="#">View File</a>		

## 6.4.3 – Total corpus fund generated

13437777

**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	No	Null	Yes	IQAC
Administrative	No	Null	Yes	IQAC

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

As the motto of Sri Shakthi Institute of Engineering and Technology states Powering the Youth and Empowering the Nation, our institution has committed to improve the holistic personality of the students. 1. The parent teacher association helps the students learning and development also to build genuine relationships with teachers and administrators throughout the academic year. 2. The association also helps in providing constructive feedback on curriculum whenever a new curriculum is introduced, various amenities, and facilities at the institution. 3. The performance of the students in academics and career development programs are communicated to the parents. 4. The parents are also given awareness of the challenges and the needs of the current generation.

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

The Staff Development Program (SDP) supports employee development by providing partial or full reimbursement of the cost of courses, seminars, and workshops that enable employees to improve performance in current jobs, prepare for career development, or meet requirements of degree programs related to current performance or planned career development. 1. Full Sponsored training Program in Industry to improve/introduce the teaching and learning methodology 2. Partial Staff development support program to provide financial assistance for staff who attend/publish papers in conferences/journals. 3. Special Leave for pursuing/completing the research.

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

1. Effective functioning of IQAC 2. Four phases Academic Audit 3. Administrative Audit 4. Getting students satisfaction surveys and taking actions based on the feedback.

## 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	Faculty Evaluation based on Performance Evaluation Matrix including the Key Performance Indicators that reflect the standards set by Accreditation Bodies such as NAAC, NBA, etc	11/07/2019	11/07/2019	17/07/2019	243
2019	Review of Autonomous Curriculum and Delivery by IQAC - to ensure the Quality Improvement Parameters	19/09/2019	19/09/2019	20/09/2019	243
2020	Faculty Induction Program for conducting Online Classes due to COVID 19 LOCK DOWN	08/04/2020	08/04/2020	08/04/2020	186

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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
Womens day : 1. Walkathon - Awareness program on "Equal World is an Enabled World " - Bullet Riding & Boat Rowing 2. Sanitation and Hygiene	06/03/2020	08/03/2020	182	Nil
A paper titled "A brief Review on techniques used for Breast cancer detection using antennas" is published in IEEE explorer which addresses solution for cancer detection in women	04/05/2020	04/05/2020	1	Nil
A Seminar for Girls on Self Defence	19/02/2020	19/02/2020	35	Nil
Awareness about Road Safety for Woman	06/03/2020	06/03/2020	25	Nil
Human Rights Day: Ways to Remove Gender Bias	10/03/2020	10/03/2020	33	20
Women's Day : Training the Youth for Gender Parity	09/03/2020	09/03/2020	54	31
Awareness on Breast Cancer and Skin donation	28/02/2020	28/02/2020	65	Nil
Awareness about sanitation to	09/03/2020	09/03/2020	20	Nil

women self help groups				
Women Empowerment of food sector	08/02/2020	08/02/2020	30	Nil
A project done on" Breast Cancer Prediction Using Different Classifiers"	02/01/2020	04/01/2020	1	Nil
Awareness program on Women entrepreneurship	20/05/2020	20/05/2020	35	Nil

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
<ul style="list-style-type: none"> <li>• College is maintaining the solar power system.</li> <li>• "Save energy" initiative is taken by the students' by making them switch off lights and fans before leaving the classroom.</li> <li>• To promote Environmental awareness NSS Unit and Rotaract club organizes seminars and student exhibitions.</li> <li>• Socio Eco club and Agriculture department conducts field work and arranges study tours to create awareness and conservation of biodiversity among the students.</li> <li>• Environmental Science" is a course in the curriculum, where the student learns about different environmental issues such as air, water, land and sound pollution, solid waste management, ecosystem, and biodiversity.</li> <li>• Alternate Energy initiatives 100 percentage power requirement of the institution met by the solar energy. The Institute have installed solar PV power system to meet the energy requirements. The total power requirement is 220 KW and it is supplied totally by the solar PV power system.</li> <li>• After the implementation of automated on/off operation (based on the peak demand) of diesel generator and integration of Solar PV power generation (from January 2020), fuel consumption and operating hours of Diesel generators were reduced drastically.</li> </ul>

7.1.3 – Differently abled (Divyangjan) friendliness

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

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
2020	1	1	03/01/2020	1	Velan Thiruvizhavi	Awareness on growth of Native Livestocks, Seminars and student project expo	10000
2019	1	1	20/09/2019	1	Seminar on Prevention of diseases using Biomedical Equipments	Awareness program on well being and disease free life	200
2019	1	1	15/10/2019	1	Pollution free environment	Maintenance of trees	100
2019	1	1	13/09/2019	1	Malnutrition	Awareness program of Malnutrition under 25 years	160
2020	1	1	27/04/2020	1	Conducted awareness programme on COVID 19 to near by villages	Precautionary measures to prevent COVID 19 to near by villages	120
2020	1	1	05/06/2020	1	COVID19 Awareness Programme	Given Awareness about COVID19	110
2019	1	1	21/11/2019	1	Electrical Safety And Awareness	1. Safety precautions near Electricity	106



					program	or Supply lines during normal rainy days 2. Basics of phase, neutral, ground 3. Sample Stair case wiring logic demo session.	
2019	1	1	14/09/2019	1	Tree Plantation	Rotaract Club of Sri Shakthi Institute of Engineering and Technology students have planted 1000 seed balls at Shanthi Vanam, Billichy Post, Karamadai.	122

[View File](#)

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Handbook on Human Values and Professional Ethics	18/06/2019	The Handbook on Human Values and Professional Ethics is published on Institutional website Weblink: <a href="http://siet.ac.in/ethicshandbook">http://siet.ac.in/ethicshandbook</a> To inculcate the human values and ethics, a course on Professional Ethics is included in the curriculum. Awareness programmes are also organized by various clubs to motivate them in a right manner.

<p>An elective subject chosen on Professional Ethics in Engineering</p>	<p>05/08/2019</p>	<p>The students were taught to distinguish between ethical and non-ethical situations. Practice moral judgment in conditions of dilemma. Relate the code of ethics to social experimentation. Develop concepts based on moral issues and enquiry. Resolve moral responsibilities in complications. Apply risk and safety measures in various engineering fields. Develop cognitive skills in solving social problems</p>
<p>Meditation in the Yoga tradition</p>	<p>12/01/2020</p>	<p>As a part of tradition day, Yoga and Meditation for health was thought to public</p>
<p>An elective subject chosen on Creativity, Innovation and New Product Development</p>	<p>19/06/2019</p>	<p>Students were taught with patent drafting and case studies related various forms of IPR like Trademarks, trade secrets, Geographical Indications and copy rights etc. Ways and methods to produce new product and strategies in marketing has also been taught. Brain storming sessions were conducted and solutions were identified for social problems.</p>
<p>Professional elective -Creativity ,Innovation and New Product development</p>	<p>12/11/2019</p>	<p>The course highlighted the need and significance of innovation in the relevant profession and industry, taking into consideration the aspects of patenting and ethics to to be followed.</p>
<p>Audit Course - Disaster Management</p>	<p>05/08/2019</p>	<p>The course is intended to provide a general concept in the dimensions of disasters caused by nature beyond the human control as well as the disasters and environmental hazards induced by human</p>

		activities with emphasis on disaster preparedness, response and recovery.
An elective subject choosen on Intellectual Property Rights	08/02/2020	The students were thought how to apply for patent, trade mark, copy rights and various case study references have prepared by both the faculty and students and discussed in the classroom. Ideas suggested from both the ends and new ideas were generated for product development in future world already developed products were discussed. Also focossed on Industry 4.0.
Handbook on code of conduct for students teachers, Manuals brochures on Human values professional ethics	08/08/2019	The prime objective of this handbook is to develop ability to deal effectively with moral complexity in students Teachers and also understand the moral values that ought to guide the Management profession, Resolve the moral issues in the profession and Intended to develop a set of beliefs, attitudes, and habits that engineers should display concerning morality

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

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

1. Efforts for Carbon neutrality through Plantation The institute maintains substantial green cover. The green foliage includes an impressive array of old trees, garden of flowering plants, crotons alongside a well maintained lawn. A full time gardener is appointed to take care of the garden. The campus is maintained with around 1850 trees (having 40 varieties such as neem, aricanut, indian date palm, mahogany, teak, coconut, scarlet cordia, cassia fistula, albECIALIBEK, cybaruba, tewma, etc.) and 900 plants (having 35 varieties of flowering plants and crotons). Scientific names were given to the trees. For the campus population, 4550 of oxygen is produced by the plants trees inside the campus itself. 2. Awareness Program The institute is organizing awareness programme for the first year students and Tree plantation program at college campus and surrounding villages through various units such as Go Green, NSS and

EcoClub. This program includes plantation of various types of ornamental and medicinal wild plant species in large numbers and environmental awareness. This program helps in maintaining ecofriendly environment as well as provides pure oxygen within the institute. 3. Green Agenda in Syllabus Green agenda forms a part of the curriculum (ecosystem, biodiversity, pollution, natural resources) for all the students (third year students in R2013 and first or second year students in R2017). 4. Ecofriendly atmosphere The campus has best ecofriendly atmosphere, which is recognized and certified by NCS. The vehicles are not permitted inside the campus and kept a special place for parking (near the gate entrance), which keeps the campus carbon free. Nearly 4 of students coming from nearby places are using bicycles or coming by walk. Around 65 of the students and staffs are using the college bus for transportation. Pedestrian friendly roads are available in campus for about a kilometer and have been designed with rain gardens that prevent stagnation of waste water. 5. Natural traps as pesticides To avoid the use of pesticides, natural traps are used to kill the insects and beetles which affects the plant growth. In our campus, food traps are used to kill the rhinoceros beetle which damages the trees. 6. Compressed straw blocks are prepared and used for cultivation of plants. Compressed straw inhibits the growth of weeds. 7. Balancing the Ecosystem Cattle (native breed such as Kangayam cattle) farming and swans are bred inside the campus for balancing the ecosystem

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

Best Practice - Title: 1 Engineering Exploration : Experiential learning is a process through which students develop knowledge, skills and values from experience. Establishment of Engineering Exploration Lab, and Engineering Exploration Course Delivery , Establishment of Entrepreneurial Eco System, Tranformation of Engineering Campuses into ESDM Product Innovation Centre • offers an exciting interdisciplinary course - Engineering Exploration • students gain experience in interdisciplinary domains, understand customer needs, and solve real problems • take Engineering education to the acme of practical learning. The context: To produce industry ready graduates it is necessary to learn new things and new technologies by doing experiments. Hence higher education institutions provide experiential learning to the students through various tools and practices. The practice: • The adequate infrastructure facilities given to the students. • Frequent field trips are arranged for the students. • ICT tools and models are used for teaching learning process. • To inculcate the experiential learning, the faculty and students are motivated to develop simulations for different concepts, animated videos, biological models, circuit design, etc. • Students are involved in organizing technical events like conferences, symposium and workshops and also organize extracurricular activities. • Delivery of EE course which is Inter Desciplinary • Guided Project • Practice Product Development Life Cycle • Develop solutions to the real-world problems Evidence of success: • Number of student participation in various technical contests are significantly increased and won prizes in National and International level. • The number of students placed in top core companies significantly increased. • Slow learners can easily understand the concepts through this practice. • Faculty members are confident to train the industry persons. • The students are graduated with social values and leadership qualities. MOU with IESA NETRA the students of 600 got benefited out of this About 10 faculty trained by IESA NETRA Problems encountered and resources required: • More number of collaborations with industries is required. • Students have to balance the academic schedule and regular activities. Best Practice - 2 Title: Blended Courses: 2. Objectives of Practice: • To improve the students' learning effectiveness through practical knowledge • To helps the students think practically 3. The Context: To bridge

the gap between the theory and practice, a blended learning concept has been introduced. Students will undergo practical class (hands-on) after each theory concept taught in the classroom. This will enable the students to understand the practical implementation of the concept taught in the theory classes. 4. The Practice: • Blended learning mode has been implemented for more than 75 of the curriculum • 2 to 3 hours of classroom teaching (theory/ design) will be conducted followed by 2 to 3 hours of practical classes • The practical session will be either on the simulation environment or working in the laboratory environment 5. Evidence of Success: • Students participation in theory and laboratory classes has improved • Students were experimenting more than the prescribed work upon the curiosity created by the faculty members in the theory classes • Students come out with more innovative ideas in the theory classes and showing keen interest in the laboratory implementation • Improvement in the exam pass percentage compare to the stand alone theory courses

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://siet.ac.in/downloads/best-practice.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

**VISION OF THE INSTITUTION** The vision of our Institution is to make the institution one of our nations great engineering schools, recognized nationally and internationally for excellence in teaching, research and public service. We seek to be the preferred destination for students, practitioners seeking an engineering education, employers hiring engineering graduates and organizations seeking engineering knowledge. The main objective of our institution is the research and developmental activities. **Research and Development:** The Institution gives priority to the research and development, wherein the students and faculties are working to develop innovative concepts into a product. The students and faculty members can access the laboratories at any time for their research purpose. The outcome of the projects can be presented in various conferences and seminars. Value added courses are being conducted by the faculty members to enhance the skills required for completing the projects. The products developed by the students have won prizes in the IICDC, Buoyanci, etc which is funded by the Industries. Faculty members of the institution were awarded the projects from the government funding agencies such as DST SERB, DSTNRDMS, DAEBRNS, etc. Various conferences, seminars, and guest lectures are organized to inculcate the research activities among the students. Patents are also being filed by our students and faculties. Ecell was set up in the institution, where the students' ideas/prototypes are converted into the products and they are motivated to participate in events such as Smart India Hackathon, IICDC, Buoyanci, etc. Sri Shakthi Journals was started in the year 2019 and first volume was released in 2020.

Provide the weblink of the institution

<http://www.siet.ac.in>

### 8.Future Plans of Actions for Next Academic Year

1. Institute has been initiating and implementing various activities to assure and improve quality in the different aspects of academics, co curricular and extracurricular activities, faculty development. Institute is focusing to give social exposure to students and faculty by conducting extension activities. In view of the vision, mission and core values, institute has planned for following initiatives. • To apply for NBA Accreditation for 2 UG programs • B.E Electronics and Communication Engineering • B.E. Agricultural Engineering 2. The institution

plans to host a set of international conferences in the upcoming year. The objective of these research based forums will be to serve as inter-disciplinary and multi-disciplinary avenues for exchange of business ideas, best research practices and research outcomes, for the benefit of the corporate professionals, industry practitioners, academicians and researchers at large. Research workshops and special sessions are also being organized with the intention of familiarizing individuals with the latest developments pertaining to research methods, technological evolution and research paper writing, thereby aiming at increasing the intellectual output of the institution. Institute has planned to conduct 4 more conferences in the upcoming Year • International Conference on Future Prospects for Biotechnology and Bio-Medical Applications (ICFBB ) • International Conference on Electrical, Electronics and Communication Technology(ICEECT). ? National Conference On Innovative Agricultural Engineering And Food Technology Strategies For Profitable Agriculture (ICAEFT) ? International Conference On Recent Advances In Civil And Mechanical Engineering (ICRACM) 3. Firm up collaborations to bridge the gap between academia and industry. Industry is the major stake holder of technical institution. Institute has been in association with various industries and providing very good industrial exposure to the students. In order to sustain and enhance the interaction with the industries, Institute has planned to focus on interaction with industry with the involvement of every faculty and students as well. Also, planned to firm up association with industry by signing MoU for formal collaboration. More focus through interaction with industry will be to motivate students for industry sponsored projects, for industrial internships. 4. Intensive training for preparing students for competitive examinations Recently, Institute has formulated committee for competitive examinations. This committee will work for providing support to students willing to prepare for various competitive examinations and for creating conducive environment for students for the same. 5. To promote entrepreneurship and innovation through skill development. Institute has developed "Entrepreneurship Development Cell" and planning for enhanced activities in this area. Skill development will be the focused area for enhancing employability of students. 6. Conduct of External Academic and Administrative Audit.