



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		<b>SELVAM COLLEGE OF TECHNOLOGY</b>
Name of the head of the Institution	<b>Dr . A . NATARAJAN</b>	
Designation	<b>Principal</b>	
Does the Institution function from own campus	<b>Yes</b>	
Phone no/Alternate Phone no.	<b>09942099122</b>	
Mobile no.	<b>9942231294</b>	
Registered Email	<b>principal@selvamtech.edu.in</b>	
Alternate Email	<b>hodeee@selvamtech.edu.in</b>	
Address	<b>Ponnusamy Nagar, Salem Road, NH-44, Namakkal - 637003.</b>	
City/Town	<b>Namakkal</b>	
State/UT	<b>Tamil Nadu</b>	

Pincode	637003				
<b>2. Institutional Status</b>					
Affiliated / Constituent	Affiliated				
Type of Institution	Co-education				
Location	Rural				
Financial Status	private				
Name of the IQAC co-ordinator/Director	Dr.K.Vidyavathi				
Phone no/Alternate Phone no.	09942099122				
Mobile no.	9952199821				
Registered Email	principal@selvamtech.edu.in				
Alternate Email	hodece@selvamtech.edu.in				
<b>3. Website Address</b>					
Web-link of the AQAR: (Previous Academic Year)	<a href="https://selvamtech.edu.in/files/AQAR2018-19.pdf">https://selvamtech.edu.in/files/AQAR2018-19.pdf</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://selvamtech.edu.in/files/AcademicCalendar/AC-19-20-2.pdf">https://selvamtech.edu.in/files/AcademicCalendar/AC-19-20-2.pdf</a>				
<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To

1	B+	2.53	2016	16-Sep-2016	31-Aug-2021
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6. Date of Establishment of IQAC	14-May-2015
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### 7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
FDP	27-May-2020 1	63
FDP	23-May-2020 1	63
FDP	22-May-2020 1	63
FDP	20-May-2020 1	63
FDP	15-May-2020 1	63
FDP	13-May-2020 1	64
FDP	03-Sep-2019 3	56
FDP	23-Aug-2019 3	35

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Selvam College of Technology / Mr.S.Prakash	PMKVY TI	AICTE	2019 180	35.5

Selvam College of Technology / Mr.S.Prakash	SPDP	AICTE	2019 365	5.91
<a href="#">View File</a>				
9. Whether composition of IQAC as per latest NAAC guidelines:	Yes			
Upload latest notification of formation of IQAC	<a href="#">View File</a>			
10. Number of IQAC meetings held during the year :	5			
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	<a href="#">View File</a>			
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No			
<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>				
<p>1. For the better enhancement of quality policy improvements of teaching and nonteaching the following events were conducted: • One day Energy Conservation Orientation training program with 45 beneficiaries. • One week IoT based workshop with 20 beneficiaries. • 2 days International conference ICET 2020 • 9 FDP and 1 STTP were conducted. 2. AntiRagging Committee / Complaints cum Redressal Committee were reframed.. 3. For quick learners and faculty members are motivated and attended Online Courses • 30 Coursera online course certificates were received. • 12 MOOC online course certificates were received. to improve the quality of education. 4. Centralized Exam Cell, Internal/External NAAC Committee were reframed with the change of Department wise Audit Committee. 5. One day Entrepreneurship orientation program was conducted and 6 innovative projects were submitted by Hackathon cell.</p>				

[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
Faculty seminar	Faculty members learned, enhanced and upgraded recent technologies and received orientation in various discipline.
Model based learning	Student's practical knowledge and subject understanding improved.
Mentor	Student wise separate mentor was allocated and every week mentor hour will be organized.
Placement in Core Companies	Special technical training provided for ECE, EEE, MECH department and maximum students placed in Core Companies.

[View File](#)**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Governing Council Meeting	25-Sep-2019

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

No

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

Yes

Year of Submission

2020

Date of Submission

06-Feb-2020

<b>17. Does the Institution have Management Information System ?</b>	<b>Yes</b>
<p>If yes, give a brief description and a list of modules currently operational (maximum 500 words)</p>	<p>Selvam College of Technology uses an Infrastructure Development Support Portal system to monitor the academic activity. IDSP system provides a simple interface for maintaining the records of students, department, faculty, time table, transport, examination, hostel and day scholar details, Class advisor etc. The modules are designed with improved reporting system. The system allows the Infrastructure Development Cell to add students, faculty and any other event details. The Infrastructure Development Support Portal (IDSP) coordinator can upload all the academic related information in the Infrastructure Development Support Portal frequently. The system has easy user interface and have good retrieval system. By having one main system as server, they can share academic information with each other from their respective systems. The server is handled by the IDC manager. This IDSP system facilitate the faculty and student redundancy work can be avoided and pave the way for good and transparent environment.</p>

## Part B

### CRITERION I - CURRICULAR ASPECTS

#### 1.1 - Curriculum Planning and Implementation

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

Selvam College of Technology, Affiliated to Anna University, Chennai, approved by AICTE strictly acclimatize the curriculum and syllabi prescribed by the affiliated university. The institution offers Six undergraduate programs such as Bio-Technology, Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Mechanical Engineering and Seven Postgraduate programs in the field of ME-CSE, ME-ISE, ME-ED, ME-SE, ME-PED, MCA and MBA comprises with well experienced

teaching and non-teaching staff members. The Institution has developed and practices its extensive action plan for effective implementation of the curriculum through the following measures. Academic calendar is prepared to include centralized internal Assessment test schedule, Unit test schedule, university examination schedule and the department and Institution level co curricular and extracurricular activities. In each semester, courses are allotted to faculty according to their area of specialization and skill. Time table for the entire semester is prepared to indicate specific class and laboratory hours. Lesson plan for every subject is prepared by the respective course handling faculty in line with the university syllabus. CO-PO mapping is formulated for each subject based on the objective of Syllabus.CO-PO Mapping for Question Paper and Assignment are prepared. Extensive lecture notes for university prescribed text and reference books are prepared by every course handling faculty in consultation with senior faculty to cater to students' needs. Laboratory manuals are prepared so that students can understand the practical subjects better and correlate with theory. Students' attendance for individual course is monitored through faculty log book, and master attendance register. Internal Assessment tests and model examinations are conducted for both theory and practical courses before commencement of university examination. Principal conducts a meeting with all the HoDs once in a week to review the faculty and students performance. Class committee meetings are conducted (one meeting at the end of every unit test) to monitor the progress of theory and laboratory courses in line with lesson plans. The slow learners are identified based on their test performance and class room interactions; extra support is provided to them through additional input by extra classes. Every department conducts guest lectures, seminars, workshops and symposiums through students associations. Industrial visits are encouraged to provide real time exposure to the students. Digital Classroom with relevant materials are available for access. As per the norms of Anna University, Laboratory facilities are developed and additional experiments are conducted for a thorough understanding of the subjects. All the laboratories are well equipped and periodically upgraded to enable the students to gain proper practical knowledge on the subjects in accordance with Anna University curriculum. The Institution provides sufficient teaching aids for effective curriculum delivery. The lesson plan, notes of lesson, lab manuals and question banks are made available in Google Class room at the beginning of each semester. E-books and e-journals facilities are available for them. The college has registered for NPTEL (National Program on Technology Enhanced Learning) where students can access e-learning through online video courses for various streams.

### 1.1.2 - Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development

Introduction to Solid Works	Nil	20/01/2020	6	Employability	Skill Development
Bill of Quantity	Nil	22/07/2019	5	Employability	Skill Development
Tools and Techniques in Chromatography	Nil	03/09/2019	5	Employability	Skill Development
Industrial Automation with Embedded Technology	Nil	22/07/2019	5	Employability	Skill Development
Industrial Automation with PLC	Nil	21/01/2020	6	Employability	Skill Development
Web Application Development using Angular JS	Nil	03/02/2020	5	Employability	Skill Development
Introduction to Digital Business	Nil	27/01/2020	5	Employability	Skill Development

## 1.2 - Academic Flexibility

### 1.2.1 - New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Nil	Nil
ME	Nil	Nil

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

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



BE	Electronics and Communication Engineering	01/07/2019
BE	Mechanical Engineering	01/07/2019
ME	Computer Science and Engineering	12/09/2019
ME	Applied Electronics	12/09/2019
ME	Power Electronics and Drives	12/09/2019
ME	Structural Engineering	12/09/2019
ME	Engineering Design	12/09/2019
ME	Industrial Safety Engineering	12/09/2019
MCA	Master of Computer Application	01/07/2019
MBA	Master of Business Administration	12/09/2019

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

	Certificate	Diploma Course
Number of Students	464	Nil

### 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
Value Added Courses on CNC Programming	19/08/2019	60
Value Added Courses on CADD	09/09/2019	62
Hands on training about Molecular Techniques	06/07/2019	85
Recent Trends in Digital Image in Video Processing using MATLAB Tools	01/07/2019	25
Introduction to Simulation Software	05/08/2019	25
Java Programming	24/07/2019	30
Digital Marketing	12/08/2019	20

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### 1.3.2 - Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil Engineering	26
BE	Computer Science and Engineering	6
BE	Mechanical Engineering	5
BE	Electronics and Communication Engineering	16
BE	Electrical and Electronics Engineering	5
BTech	Biotechnology	2
MBA	Master of Business Administration	67

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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

1. The institution obtains feedback on curriculum aspects and courses. The gathered feedback is analyzed and utilized for overall development of the institution. The feedback collected from different stakeholders like students, alumni, parents industries and employers to evaluate the issues in college campus. The stakeholders use college website link and suggestion box to give their personal feedback about the issues they face in the college campus. The Institution used different formats of feedback that includes faculty feedback, alumina feedback, parents' feedback, students' feedback, course exit survey and program exit

feedback. 2. Faculty feedback is obtained from the students for the respective course. This feedback is taken once in a semester on various teaching/learning aspects. The faculty feedback is collected in a tabulated format. Once the feedback is collected, it is analyzed and valuable suggestions given were considered and necessary actions were executed. The feedback is analyzed by the HODs and Principal. If there is any corrective measures need to be considered, the head hierarchy would inform to the respective faculty for further improvements. In addition, the feedback helps the academicians to know their clarity in teaching and to improve their quality enhancement in teaching methodology 3. In addition, the students can also use college website link and suggestion box, if he/she needed to communicate personally with top hierarchy. The college website has the link for student's academic feedback, student's grievance, parent's feedback, alumni feedback and employer feedback. 4. Course exit feedbacks and program exit feedbacks are taken to analyze the academic issues that they experienced in the college. Once the semester was completed, the course exit feedbacks are collected by faculty incharge to know the student status in that semester and subject. Program feedbacks are taken from the final year students at the end of the program. The feedback, consist of the academic infrastructure improvement like lab facilities, software updation if any. Feedback from the parents is taken by interacting with them during parent teacher meeting. Alumni feedback is highly appreciated to collect the suggestions would help the institution to improve their curriculum and placement. 5. Every department is obliged to conduct the class committee meetings and course committee meetings, This meetings help to know the status about the students' academic and portion completion. The college holds monthly meeting with the faculty members, where minutes of meeting is maintained as hard copy for future reference.

## CRITERION II - TEACHING- LEARNING AND EVALUATION

### 2.1 - Student Enrolment and Profile

#### 2.1.1 - Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Biotechnology	60	64	37
BE	Civil Engineering	60	17	17
BE	Computer Science and Engineering	60	43	42
BE	Electronics & Communication Engineering	120	79	52
BE	Electrical & Electronics	60	35	26

<b>Engineering</b>				
<b>BE</b>	<b>Mechanical Engineering</b>	<b>120</b>	<b>81</b>	<b>53</b>
<b>ME</b>	<b>Applied Electronics</b>	<b>18</b>	<b>Nil</b>	<b>Nil</b>
<b>ME</b>	<b>Computer Science and Engineering</b>	<b>18</b>	<b>2</b>	<b>2</b>
<b>ME</b>	<b>Engineering Design</b>	<b>18</b>	<b>2</b>	<b>1</b>
<b>ME</b>	<b>Industrial Safety Engineering</b>	<b>18</b>	<b>11</b>	<b>6</b>

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## 2.2 - Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
<b>2019</b>	<b>1730</b>	<b>236</b>	<b>146</b>	<b>24</b>	<b>10</b>

## 2.3 - Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
<b>180</b>	<b>180</b>	<b>31</b>	<b>29</b>	<b>Nil</b>	<b>14</b>

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

Yes, mentoring system is available in our Institution. It has been followed from first year onwards. In all departments, mentors are assigned for every 10-11 students. Mentors are allotted from Science and Humanities department for first year students and

from Parent department for II, III and IV year students. And also a mentor hour has been allocated in the academic timetable. This mentor hour helps Mentor to interact with mentees to update their academic status, personal and career aspects. Mentors are playing an important role in guiding and counseling the students throughout their course of study in all aspects and for their career upliftment activities. The Mentors are maintaining a separate record and they record all the discussions with their mentees. The heads of various departments were intimated for any academic, guidance and administrative actions required for the mentees through the mentors.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1966	180	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
171	180	31	31	18

### 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	Dr. M. Thenmozhi	Assistant Professor	Best Women Faculty Award, received from Nature Science Foundation, Coimbatore

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## 2.5 - Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	214	II / I	24/04/2020	08/10/2020
BTech	214	IV / II	27/03/2020	15/08/2020
BTech	214	VI / III	27/03/2020	15/08/2020

BTech	214	VIII / IV	27/03/2020	17/10/2020
BE	103, 104, 105,106,114	II / I	24/04/2020	08/10/2020
BE	103, 104, 105,106,114	IV / II	27/03/2020	15/08/2020
BE	103, 104, 105,106,114	VIII / IV	27/03/2020	17/10/2020
ME	401,405,408,413,415,423	II / I	27/03/2020	15/08/2020
ME	401,405,408,413,415,423	IV / II	27/03/2020	17/10/2020
MBA	631	II / I	27/03/2020	15/08/2020

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

The institute has an internal exam cell for continuous internal evaluation of every student. The Internal exam cell committee has an overall coordinator and a member from each department. The internal exam cell coordinator prepares schedules for the conduction of examinations as per the academic calendar and copies are available at all departments. The Internal exam cell follows the guidelines of the IQAC cell for evaluating the performance of the students. Timetable Preparation, Hall arrangements, test supervision schedules and evaluation methods, hall arrangements for evaluation and question paper settings were carried out, recorded and monitored in an effective manner. Three internal assessment tests with maximum of 50 marks, three cycle tests with a maximum of 25 marks and a model exam with 100 marks were conducted for every semester. A model practical exam will be conducted prior to the university practical examination for all practical subjects. Based on the performance in the internal tests and continuous assessments, the slow and average learners were given special coaching and remedial classes. Internal assessments were considered for University internal mark calculation. Result Analysis meeting will be conducted and discuss the improving strategies. Mentors also help their mentees to improve their performance in all exams.

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

As an affiliated College, the Institution follows Anna University curriculum and its academic schedule. For every semester it is prepared and approved by the IQAC cell. The Academic calendar is prepared based on Anna University schedule and published well in advance before the commencement of the classes. It includes academic activities, co-

curricular activities, Internal exam dates, Course Committee meetings, Class committee meetings, Parent Teacher meetings, Industrial visits, coaching class dates, tentative dates for practical and theory exams. All the academic activities are planned and executed as per the academic calendar plan. The academic calendar is displayed in all notice boards and in all classrooms.

## 2.6 - Student Performance and Learning Outcomes

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

<https://selvamtech.edu.in/departments/mech/peos-pos-psos/>

### 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
214	BTech	Biotechnology	39	39	100
103	BE	Civil Engineering	31	26	83.9
104	BE	Computer Science and Engineering	41	39	95
106	BE	Electronics and Communication Engineering	44	44	100
105	BE	Electrical and Electronics Engineering	26	26	100
114	BE	Mechanical Engineering	85	84	98.8
401	ME	Applied Electronics	8	8	100
406	ME	Computer Science and Engineering	4	4	100
408	ME	Engineering Design	1	1	100
423	ME	Industrial Safety Engineering	6	6	100

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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://selvamtech.edu.in/NAAC\\_DOC/FacultyEvaluationForm.pdf](https://selvamtech.edu.in/NAAC_DOC/FacultyEvaluationForm.pdf)

## CRITERION III - RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	200	Tamil Nadu State Council for Science and Technology	0.07	0.07

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### 3.2 - Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Intellectual Property Rights Awareness Programme	CSE, EEE, ECE, Biotech, Mechanical	16/05/2020
How to prepare a good Research grant proposal	Biotechnology	26/07/2019
Entrepreneurship Opportunities Broadband Technology	Electronics and Communication Engineering	06/08/2019
Recent Research opportunities in VLSI Technology to Health Care	Electrical and Electronics Engineering	27/01/2020
Industry 4.0 (INDUSTRIAL IOT)	Mechanical Engineering	15/11/2019
Entrepreneurship Awareness camp for CSE Students	Computer Science Engineering	28/01/2020
Entrepreneurship Awareness camp for Management studies	MBA	19/11/2020
Quantum Talk 2019 - our Proud alumni	Mechanical Engineering	11/12/2019



Entrepreneurship Awareness camp for Civil Students	Civil Engineering	12/06/2019
Enhancing soft skills and promotion future career	Computer Science Engineering	10/01/2020

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Smart Helmet -Project Expo	V.Tamilselvan	Muthayammal College of Engineering	28/02/2020	Student
Smart Helmet- Project Expo	V.Tamilselvan	PGP College of Engineering And Technology	06/03/2020	Student
Smart Helmet - Paper Presentation	V.Tamilselvan	PGP College of Engineering And Technology	06/03/2020	Student

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## 3.2.3 - 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
Nil	Nil	Nil	Nil	Nil	Nil

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## 3.3 - Research Publications and Awards

## 3.3.1 - Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

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

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

Type	Department	Number of Publication	Average Impact Factor (if any)
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International	Electronics and Communication Engineering	3	4.01
International	Biotechnology	1	0
International	Mathematics	2	0
International	Mechanical Engineering	18	2.01
National	Mechanical Engineering	11	1.78

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

Department	Number of Publication
Mechanical Engineering	2
Biotechnology	2
Electronics and Communication Engineering	2

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Arduino Based Solar Powered Battery Charging System for Rural Solar Residence	S. Shyam Mohan, P. Arulkumar, D.UdayPrasad, M.Ravichandran	International Journal of New Innovations in Engineering and Technology	2020	0	Selvam College of Technology	Nil

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Analysis Of Mechanical And Wear Behaviour Of PEEK, PTFE and Polyurethane soft materials for industrial Robotic Applications	Dr.R.Sasikumar	Defence Technology	2020	8	4	Selvam College of Technology

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

Number of Faculty	International	National	State	Local
Presented papers	58	6	1	Nil
Attended/Seminars/Workshops	Nil	32	2	Nil

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## 3.4 - Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp	NSS Unit Selvam College of Technology	20	50

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Blood Donation Camp	Recognition	Government Hospital, Namakkal	50

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp	RRC	Blood Donation Camp	20	50

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### 3.5 - Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Siemens Centre of Excellence in Manufacturing, National Institute of Technology, Tiruchirappalli	58 Students and 4 Faculties	Selvam College of Technology	1

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3.5.2 - Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Research	Research collaboration work with the title of "E-Glass/phenolic matrix/APP laminate as a potential candidate for battery casing of e-vehicle-experimental investigations"	King Khalid University (KKU) Guraiger, Saudi Arabia	01/06/2020	30/12/2020	2

<b>Research</b>	<b>Research collaboration work with the title of "Multi wall carbon Nano-tube reinforced silicone for aerospace applications"</b>	<b>UCSI University, Wilayah Persekutuan Kuala Lumpur, Malaysia</b>	<b>02/01/2020</b>	<b>30/12/2020</b>	<b>2</b>
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3.5.3 - MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

<b>Organisation</b>	<b>Date of MoU signed</b>	<b>Purpose/Activities</b>	<b>Number of students/teachers participated under MoUs</b>
<b>Siemens Centre of Excellence in Manufacturing, National Institute of Technology, Tiruchirappalli</b>	<b>09/12/2019</b>	<b>Student Exchange</b>	<b>58</b>

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## **CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES**

### **4.1 - Physical Facilities**

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

<b>Budget allocated for infrastructure augmentation</b>	<b>Budget utilized for infrastructure development</b>
<b>170</b>	<b>166.17</b>

4.1.2 - Details of augmentation in infrastructure facilities during the year

<b>Facilities</b>	<b>Existing or Newly Added</b>
<b>Classrooms with Wi-Fi OR LAN</b>	<b>Existing</b>
<b>Seminar halls with ICT facilities</b>	<b>Existing</b>
<b>Classrooms with LCD facilities</b>	<b>Existing</b>
<b>Seminar Halls</b>	<b>Existing</b>
<b>Laboratories</b>	<b>Existing</b>

<b>Class rooms</b>	<b>Existing</b>
<b>Campus Area</b>	<b>Existing</b>

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#### 4.2 - Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
<b>LIPS-i-Net</b>	<b>Fully</b>	<b>5.0</b>	<b>2007</b>

##### 4.2.2 - Library Services

Library Service Type	Existing		Newly Added		Total	
<b>Text Books</b>	<b>24772</b>	<b>9602983</b>	<b>4326</b>	<b>1629317</b>	<b>29098</b>	<b>11232300</b>

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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
<b>Mrs.R.Baby Shalini</b>	<b>Engineering Chemistry</b>	<b>Google Class Room</b>	<b>01/07/2019</b>

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#### 4.3 - IT Infrastructure

##### 4.3.1 - Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
<b>Existing</b>	<b>754</b>	<b>13</b>	<b>754</b>	<b>60</b>	<b>60</b>	<b>12</b>	<b>7</b>	<b>78</b>	<b>0</b>
<b>Added</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total</b>	<b>754</b>	<b>13</b>	<b>754</b>	<b>60</b>	<b>60</b>	<b>12</b>	<b>7</b>	<b>78</b>	<b>0</b>

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

**78 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
ICT Tools	<a href="https://portal.selvamtech.edu.in/">https://portal.selvamtech.edu.in/</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
25	23.84	240	236

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

• The infrastructure pertaining to physical, academic and support facilities in college are regularly maintained to ensure that they are of maximum benefit to the students as well as teaching and non teaching staff. The college has appointed various workers for maintaining infrastructure and equipment. • Complaint and service registers are maintained for various services like electrical, bus Monitoring, plumbing, housekeeping and supporting staff members are deputed to ensure maintenance of the campus. The institution has developed excellent infrastructure like placement cell, office, digital library, well equipped laboratories and Computer lab, Internet with Wi-Fi connectivity, reading rooms, seminar halls in each department, and separate hostels for both boys and girls. Suitable budget is allocated every year for the maintenance of various facilities. The various committees meet regularly to monitor the optimum use of infrastructure which is accessible to the students and staff of the college. • Most of the lectures take place in classrooms with projector, microphone and speakers. This is to ensure usage of new audiovisual pedagogical techniques during the teaching process along with this we have open class rooms where lecture are given. • Periodic maintenance is made by cleaning the Laboratory, Software updates antivirus updates. • Stock register, break down register is maintained in the laboratories. • A Computer Lab has been set up to be used by various departments. Students make extensive use of the facility for reading and research. The campus also offers facilities such as Cafeteria, Common Room and Gymnasium. There is an open air Theater where plays are performed. Both the Library and administration section of the college are fully automated. It has computer terminals with internet facility and large reading spaces. A regular update on new additions is provided by the library. A library committee works regularly to oversee the functioning of the library

and various other committees' coordinate with each other to enable the students to get maximum exposure and participation and also to avail all the facilities provided by the college. An eco friendly environment is of prime importance in the college. • Sports and Games is an internal part of the college and coaches are available for the students- Volleyball, Football, Cricket are few of the highlights Solar panels and garbage segregation in the hostel and residential are a takes care of the environmental needs while our dairy and partial organic farming is for the hostelers.

<https://selvamtech.edu.in/facilities/>

## 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	Academic and Sports Scholarship	1364	29970000
Financial Support from Other Sources			
a) National	Central / State Government Scholarship	1260	81402780
b) International	Nil	Nil	0

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5.1.2 - Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Industry Expectation Program on "Nurturing the Final Year Graduates On Industry Readiness"	13/07/2019	325	Mr.RajeshSethuraman Head-HR (Tamil Nadu Region) Capgemini India Pvt. Ltd Chennai.
Motivational Program on Women Safety and Development in Society	13/07/2019	162	Mr.D.Karthikeyan.,DEEE.,B.E Founder Chairman JD Groups



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### 5.1.3 - Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Preparation and opportunities in Civil Service Examinations	285	Nil	Nil	Nil
2019	Orientation Program on the topic of "Strategy to Crack Civil Services Examinations"	214	Nil	Nil	Nil

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### 5.1.4 - Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
1	1	2

## 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
28	270	254	11	20	1

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### 5.2.2 - Student progression to higher education in percentage during the year

Year	Number of students	Programme	Department graduated from	Name of institution	Name of programme
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	enrolling into higher education	graduated from		joined	admitted to
2020	2	B.E	Electronics & Communication Engineering	Selvam College of Technology	M.E- Applied Electronics
2020	3	B.E	Mechanical Engineering	Selvam College of Technology	M.E- Engineering Design
2020	3	B.E	Mechanical Engineering	Selvam College of Technology	M.E- Industrial Safety 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
Nil	Nil

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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
Cooking Competition	Intra College Level	56
Dance Competition	Intra College Level	42
Essay Writing Competition	Intra College Level	120
Speech Competition	Intra College Level	85
Anna University Zone-VIII Athletics Competitions	Zonal	200

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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	National/	Number of awards for	Number of awards for	Student ID	Name of the
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	award/medal	Internaional	Sports	Cultural	number	student
2019	Silver	National	1	Nill	622518114130	P Rajkumar
2019	Bronze	National	1	Nill	622518104057	M Tamilselvi
2019	Silver	National	1	Nill	622518114130	P Rajkumar

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

1. The aim of forming general students council is to involve the students in Academic, Co-curricular, Extra-curricular activities. These activities are greatly helpful for SCT members in playing the role of learning planning organization, analysis estimation and execution along with trouble shooting which help in their comprehensive development. 2. The Institution has a dynamic student council which includes the leaders of all the Department whose was selected by the respective HOD. 3. The student association plans and organizing events like Seminars, Workshops, Guest Lectures, Symposium and other technical events. 4. The constituents of the student council maintained by IQAC. 5. The council is monitored by the senior faculty members who are responsible for conducting the meeting smoothly. 6. The student council members are responsible for conducting institute Annual day, Founder's day, Farewell day, International women's day, Pongal celebration etc., every year. 7. The student council hosts events on campus to increase the cleanliness and greenery in campus such as Fire safety, Pollution control, save energy and water. 8. The student council members actively participate and guide their junior and needy students. The council members is responsible for anti-ragging in our campus through counseling to students and helping the administration whenever it is necessary. 9. The students are involved in Academic Governance by Class Committee Meeting, Mentor Meeting. In those meeting suggestion for the development of Academic Activities offered by the students are considered and proper action will be taken by respective Head of the Department. With that student representative involved in Placement team of Institution and help them in Placement Activities. 10. The student's council actively solved many problem of students like additional hours of studying, availability of resources etc... Thus the college council students actively involve to enhance the name and fame of students.

### 5.4 - Alumni Engagement

#### 5.4.1 - Whether the institution has registered Alumni Association?

Yes

1. Yes, the Selvam College of technology has registered alumni association. The alumni association is enrolled in Namakkal registration office under the Tamilnadu society's registration Act, 1075 and registration number is SL.NO:25/2015. 2. The college website <http://selvamtech.edu.in/alumni> holds the alumni form for outgoing students to give their valuable feedback to the institution about the relevance of the curriculum and the need for infrastructure development. 3. The outgoing students are register their membership in the alumni association. 4. SCT conduct alumni meeting every year. Our prominent alumni are working in various fields. Hundreds of alumni members of SelvamCollege of Technology has been serving worldwide, and occupy eminent posts and positions both in government and private sectors. 5. The notable alumni share their professional experience with students and motivate them through various activities like delivering guest lecture, workshop on carrier prospects and current scenario of industry. 6. The alumni are regularly involved in conducting pre-placement sessions for under graduate and post graduate students. This helps the students to be updated with current industrial requirement and boost their confidence to mold themselves towards their future. 7. The alumni used to have a network with the Junior with the help of social media like Twitter, Whatsapp, Facebook, College website and Corporate mail. 8. The reputed alumni are the backbone of the growth of the institution. The Institute has a rich history of the student's success and glory. 9. The alumni also grace the valedictory function as chief guest of the student's conference and thus encourage the students to be innovative and versatile in various fields. 10. Apart from their alumni gathering in every year gives nostalgia to each and everyone, the alumni are largely connected with college through social media. 11. Association members regularly meet and interaction with the management. It is a flag bearer for the development of the institution. 12. The alumni also help the institution by influencing industries and other agencies in getting placement fests for the institution. The alumni have expanded and strengthened it with new enrolments.

5.4.2 - No. of enrolled Alumni:

356

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

71200

5.4.4 - Meetings/activities organized by Alumni Association :

1. Career Guidance Series on "Scope of Biotechnologist in Pharma Company" on 25.05.2020 - Speaker: Balaji S, Research Scientist SCITUS Pharma Service Pvt.Ltd, Chennai (2017 Batch

Alumni) 2. Virtual Campus Webinar Series on "Wind Energy System" on 11.05.2020 Speaker: Er. Prabakaran S, Sr. Engineer, Siemens Gamesa Renewable Energy, Chennai ( 2014 Batch Alumni) 3."Industry Expectation Program on Campus to Corporate" on 19.11.2019 Speaker : Kohila E, Quality Engineer, Schneider Electric India Private Limited, Chennai ( 2017 Batch Alumni) 4. Career Guidance program on "Scope of Automobile Sector" on 24.12.20219, Speaker: Er.R.Mohandas, NTC Logistics India Pvt, Ltd., Namakkal. (2013 Batch Alumni)

## 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)

In order to manage the Institutions, the Professional Management technique is used. The Professional Management programme strives to put the concept of innovation into practice when it comes to academic and administrative problems. Institutions are always proponents of decentralization and participatory management. The Institutions enhance the quality at various levels - Management, College Development Committee, Governing Council, Principal, IQAC Committee, NAAC Committee, Various other Committees, Administrative and Non-teaching Staff, all the stakeholders involved in the decentralization and participative management. All are working together for efficient functioning of the Institutions.

1. Management: The Institution promotes a culture of decentralization and participative management involving all types of stakeholders. In the process of decision making. In all areas of the decision-making process, the management strives to provide the Institutions with the most substantial independence possible.

2) Principal: In order to achieve the institutes vision and mission, the Governing Body delegates all academic and operational decisions based on policy to the Academic Monitoring Committee, which is chaired by the Principal.

3. Administration: Administration is the backbone of the Institution. The College administration plays an integral role, leading and supporting the development and implementation of policies, programs, and initiative that are associated with the vision and mission of the college. The administration ensures the smooth functioning in the all areas like Admissions, Account and Finance, Record Keeping, Evaluation and Supervision, and Maintenance.

4. Faculty members are represented on numerous committees/cells and are given the opportunity to run various initiatives to demonstrate their expertise. They are granted the authority to lead industrial tours and to form partnerships with industry specialists, as well as being selected as the coordinator and convener for seminars, workshops, conferences, and FDPs.

5. Departments: The Primary role of the department is to provide the academic excellence in all activities. The Departments and Head of the Department are performing their role and responsibilities initiated with the vision and mission of the college.

6. Non-teaching staff

plays crucial role in managing the day-to-day work. The role assigned to non-teaching staff is to meet and accomplish operational and strategic objectives.

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

Yes

## 6.2 - Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	Selvam College of Technology is affiliated to Anna University, Chennai. and follows the curriculum and syllabus prescribed by the University for all its courses. Affiliated Institutions are not allowed to design their own curriculum. Rather, after every 4 Years, University revise their syllabus based on the recommendation of the committee formulated by university. The revised syllabus will include latest technological development in respective fields. The curriculum deliverance is communicated through academic calendar, college official website, department notice board and staff log book
Teaching and Learning	In Selvam College of Technology, we follow a holistic approach for growth and development of students. Our teaching and learning methodology includes brainstorming, presentations, quizzes, inquiry learning, hands on activities, case studies etc. • We provide adequate infrastructural facilities for teaching and learning. • We have qualified and experienced faculty members. • We provide Computer Laboratories with latest Software and Hardware configuration • We have concept of mentoring to provide special care for students. Each faculty mentor has a group of (20-25) students whose overall growth and development are continuously monitored. • We at SCT believes that Education is a never-ending process, hence we motivate our faculty members to attend Orientation Programs, Refreshers Courses, Workshops and FDPs to upgrade their skills and constantly be in the process of learning so that they can percolate the benefits of their updated knowledge and skills to students. • We motivate our faculty members to pursue higher studies. • SCT is WI-Fi enabled campus and provides facility for students to use internet as a resource in their studies. • • We take special care for our students by providing remedial classes.
Examination and Evaluation	University and Internal exam cells are monitoring the Academic Performance of the students. Internal examination cell is responsible for internal assessment test, cycle test and model exam. The internal question papers are

	<p>designed based on blooms taxonomy that derives Knowledge, Comprehension, Application, Analysis, Synthesis, and Evaluation. The answer papers are evaluated within 2 days after the completion of the exams. They follow the continuous internal assessment system of evaluation comprising internal exam analysis and attendance record. On the other hand, the university exam cell follows the rules and regulation of Anna University to conduct theory and practical exams. Anna university conducts the end semester examinations twice in a year. One in April/May and the other in November/December. University forms a list of competent examiners for evaluation</p>
Research and Development	<p>The institute has research centers in various departments. In Department of Mechanical Engineering Research Centre is approved by Anna University Chennai. Under this research centre Seven Faculty have registered for their Ph.D Program and published their works in reputed journals like Elseiver, Springer etc.,</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>Library has sufficient E-Journal like DELNET and sufficient back volumes for all the departments. The library building is enabled with WiFi facility. The library functions with LIPSINET software system. Every year, additional volumes of books are added based on the requirements from all the departments. Every class has one compulsory library hour / week for permitting the students to access the reference books and journals which augments the learning process. Apart from the central library, every department has a Department Library. Class rooms in each department are enabled with ICT tools. Google class room is maintained with upto date accessories. The college also holds engineering drawing halls, workshops, science laboratories and computer laboratories with wifi facility. The institution holds a convention lobby and three well-furnished air-conditioned seminar halls with air conditioned and effective audio system. Infrastructure development cell is monitoring the maintenance of academic infrastructure and other facilities in our college.</p>
Human Resource Management	<p>Teaching faculty requirement is decided as per AICTE student faculty ratio (1:20). The cadre ratio is also as per AICTE norms. The required Number of non-teaching staff members are appointed in all departments and office</p>
Industry Interaction / Collaboration	<p>Students are taken for industrial visits every year by various departments. Encouraging students to take up industry oriented projects and in plant training Inviting guest lecturers from industry. Continuously our training placement cell strives for networking with industries for placements</p>

	internships. The Institute has signed MoU with many reputed companies like Siemens etc.,
Admission of Students	Admissions are made on the basis of Tamil Nadu Engineering Admissionssingle window system procedure for the government quota students and through the consortium of self-financing engineering colleges for the management quota students

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

E-governance area	Details
Planning and Development	Yes
Administration	Yes
Finance and Accounts	Tally, Infrastructure Development Support Portal
Student Admission and Support	College Admission Process

### 6.3 - Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Mr.R.Logarasu	MOOC / NPTEL one day Seminar	-	1305
2019	Dr.M.Thenmozhi	AICTE and SERB SPONSORED INTERNATIONAL CONFERENCE On Smart Applications for Environmental Quality Assessment and Promoting Health Care Systems Using Internet of Things-	-	1000

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#### 6.3.2 - Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants	Number of participants (non-
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					(Teaching staff)	teaching staff)
2019	Faculty's Orientation on Communication and Teaching Skills	-	23/08/2019	26/08/2019	35	Nil
2019	Faculty's Orientation on Communication and Teaching Skills	-	03/09/2019	05/09/2019	56	Nil

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6.3.3 - No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Pharmaceutical and Medical Device Innovations (Coursera)	1	28/04/2020	17/05/2020	19

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nil	180	Nil	35

6.3.5 - Welfare schemes for

Teaching	Non-teaching	Students
Free Transportation, Group Insurance, Maternity leave, Provident fund for teaching faculty, Summer and winter vacation for the faculty, Providing awards and incentive for academic performance (100 results). On Duty for attending conference ,workshops FDP Providing Free WIFI facility, ATM, Post office	Free transportation, Group Insurance, Summer and winter vacation for the faculty, Providing Free WIFI facility	Group insurance, Providing free wifi facility, free transportation, Merit Scholarship facilitating the post metric scholarship (SC ST) First graduate (BC MBC), Builders, Farmers.

## 6.4 - Financial Management and Resource Mobilization

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

Auditing is an important part of the transparent financial functioning of Selvam College of Technology. Expenses made by the college and by its different units during the year were audited by Selvam group of internal audit. The Internal Audit of the college makes a thorough audit of the expenditures of the institute. The Audit Department/ Audit Team works under the head office and Financial Advisor of the V.Ponnusamy Educational and Charitable Trust. The authorized chartered accountant audits stock registers and all the Planned Expenditures of the college.

### 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
VP CET	4981000	Merit Scholarship

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### 6.4.3 - Total corpus fund generated

0

## 6.5 - Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Anna University, Chennai	Yes	Interdepartment
Administrative	Yes	Administrative Director	Yes	Interdepartment

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

Parents are regularly invited to interact with the faculty and are shown the progress of the students through their academic and extra-curricular activities reports. 1) It helps to foster and promote good relationship among faculty, staff, student with parents to promote social development. 2) It helps to create keen interest for the smooth functioning of the institute. 3) It helps to understand the diversified need of the students belonging to different backgrounds

**6.5.3 - Development programmes for support staff (at least three)**

Support staff is encouraged to pursue higher education. • Encouraging participation for supporting faculty in orientation programme, seminars, workshops and conferences. • Awareness program on health and safety.

**6.5.4 - Post Accreditation initiative(s) (mention at least three)**

Students to be given coaching for GATE and competitive examination. • Feedback mechanism from students, academic peers, administration and other stakeholders is strengthened by providing online link. • Students and faculty are encouraged to undergo online courses like NPTEL,MOOC etc. • Faculties are encouraged to pursue Ph.D in their Field. • A modern and spacious canteen has been constructed to provide quality and hygienic food to staff and students.

**6.5.5 - Internal Quality Assurance System Details**

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

**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
2020	Guruz (FDP)	15/05/2020	15/05/2020	15/05/2020	63

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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
Motivational Program on Women Safety and development in Society	13/07/2019	13/07/2019	162	Nil

<b>Life Skill Awareness Program</b>	<b>21/09/2019</b>	<b>21/09/2019</b>	<b>216</b>	<b>Nil</b>
<b>Women's Day Celebration</b>	<b>02/03/2020</b>	<b>02/03/2020</b>	<b>287</b>	<b>Nil</b>

#### 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

Solar photo-voltaic cells with grid system installed on the top of the building. Energy generated and used from July 2019 TO MAY 2020 - 1,30,978 kwh(units) Solar power and LED lights are used in the College in order to reduce energy consumption

#### 7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
<b>Physical facilities</b>	<b>Yes</b>	<b>1</b>
<b>Ramp/Rails</b>	<b>Yes</b>	<b>1</b>
<b>Braille Software/facilities</b>	<b>No</b>	<b>Nil</b>
<b>Rest Rooms</b>	<b>Yes</b>	<b>1</b>
<b>Scribes for examination</b>	<b>No</b>	<b>Nil</b>
<b>Special skill development for differently abled students</b>	<b>No</b>	<b>Nil</b>
<b>Any other similar facility</b>	<b>No</b>	<b>Nil</b>

#### 7.1.4 - Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	27/09/2019	1	One Day Special Voters Id Card Correction Camp	How to include name in Voters list. It is mandatory to make corrections if any. Importance Contributions of every Voters	350

2019	1	1	19/12/2019	3	Entrepreneurship Awareness Camp	Start up registration and professional body registrations of start-ups	100
2020	1	1	24/01/2020	1	Proposal presentation	To Develop Entrepreneurship for students community	10
2020	1	1	11/02/2020	1	Blood Donation Camp	Confer about donating the blood and its importance	100
2020	1	1	17/02/2020	3	Entrepreneurship Awareness Camp	Implementing new innovations as start ups and Intellectual rights registration	90

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

Title	Date of publication	Follow up(max 100 words)
College Website	28/06/2019	Rules and Regulation for Students. • Anti-Ragging. • Disciplinary Rules
E Calendar	28/06/2019	The College calendar was issued to students and the faculty. The calendar holds the Working day, Holiday, Internal Assessment Test, Other event details, etc.,

#### 7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence Day Celebration	15/08/2019	15/08/2019	250
Teachers Day Celebration	05/09/2019	05/09/2019	230

Republic Day Celebration	26/01/2020	26/01/2020	280
Women's Day Celebration	02/03/2020	02/03/2020	287
Holi Celebration	10/03/2020	10/03/2020	22

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

Solar power and LED lights are used in the College in order to reduce energy consumption. The College encourages minimal usage of papers. For example, employees are encouraged to print on both sides of the paper and reuse the one side sheet. Continuous ambient air quality monitoring (CAAQM) stations installed in our campus with help of TamilNadu Pollution control board (TNPCB) in order to monitor the air qualities and weather report. Use of public transport as the college is located in the centre of the city, students and faculty use public transport to commute between college and their place of stay. Ensuring paperless communication by effective usage of college official mail. Maintenance of Rain Water harvesting mechanisms. To ensure green cover in the campus, trees are planted periodically and planted trees are watered and maintained.

## 7.2 - Best Practices

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

Best Practice 1  
 1. Title of the Practice Web Enabled Learning Resources through e-Portal  
 2. Goal Online Learning Resources have been designed to motivate students to stay on top of the daily updates of the classroom curriculum, thereby freeing up classroom time for interactive learning and promoting rational thought. Individual instructors upload their course materials and assignment questions to the Google classroom.  
 3. The Context The college used website-driven learning resources to encourage students to update on a daily basis. For each subject, the relevant instructor course materials, presentations, question bank, and assignment questions will be updated in the Google classroom. Students can visit a Google classroom anytime, anywhere to collect and use course materials. As an innovative measure, the faculty maintains a forum to prepare students for better understanding through workshops. The instructor will offer several topics based on the basic concepts and curriculum. In this competition, self-assessment multiple choice questions were sent to students through a Google classroom.  
 4. The Practice For example, in an Electronics and Communications engineering curriculum, digital signal processing is an analytical subject that needs more attention to understand basic concepts and facts. Materials are uploaded to the Google classroom for students to use conveniently. Notes and tasks taken in the lesson will be updated on the portal, after which the corresponding tasks will be completed.

Students periodically solve this problem, and students will discuss the same during class hours. Faculty members routinely posted hypothesis-based mathematical transformations and methods for solving them in a discussion forum, inviting students to discussion and tracking student perceptions. Students mainly discussed the application of mathematical transformations and the basics of signals and systems. 5. Evidence of Success Considering the case of digital signal processing in the practice of using web-based resources for teaching, which includes many analytical concepts and problems, best practice has been very successful. Student feedback has been accepted to ensure the success of this best practice. The students felt that the convenience of collecting course materials anytime, anywhere was more pronounced. 6. Problems encountered and resources required The effective use of this practice by the introvert student is periodically monitored. 7. Concluding Notes The SCT has determined that using web-based learning is a highly successful way to encourage students to read and prepare for a subject, thereby freeing up more classroom time for active learning exercises. Best Practice 2 1. Title of the Practice News in Education (NIE) 2. Goal To strengthen the reading habit and improve the overall development of students. To Help students become informed and motivated citizens who can determine and lead their destiny in a democratic society. To Help students develop critical reading skills by teaching newspaper reading skills. To Increase students confidence in participating in intercollegiate quizzes. To Develop a better understanding of your community, state, nation, and world. To Develop your critical thinking, reading and writing skills. To Refine and develop decision-making skills To Improve math and problem solving skills 3. The Context News in Education is a long-standing program that SCT uses to voluntarily bring up-to-date "real World" learning tools to dormitory students. Newspapers were provided to engage students, stimulate creativity, improve reading skills, and enhance academic performance. SCT focuses on encouraging students to read newspapers, learn about their community and lead more successful lives, and be informed citizens 4. The Practice Students who are active in the NIE program have done well and performed excellently. Other positive results of this practice: Students performed better on standard reading tests. Helping students improve their English fluency and communication skills. Regular use of the NIE program has positively influenced students attitude towards reading. Young people have a desire to read with practical and interesting pedagogical ideas. The NIE has helped students develop the reading skills they need for life. It raises student awareness in the fields of science, technology, globalization, economic situation, world affairs, sports, public policy, employment, higher education, and public affairs. Increased confidence when reading aloud and public speaking Evidence of increased social awareness and motivation to learn Evidence of improved academic performance Newspapers are informative and help students compete with their peers in other metropolitan areas for better coverage of current events. 5. Evidence of Success A large number of students from rural areas have taken

advantage of the NIE program. The reading skills of students have significantly improved. The results of the above practice increase the comfort zone of fluency in English and generate a positive response. 6. Resource Required A facilitator was assigned to conduct news analysis and discussion sessions among the students 7. Concluding Notes Reading newspapers is a good habit that places a lot of educational value on it. It carries information on politics, economics, entertainment, sports, business, industry, trade and commerce. Through this habit, it will not only enhance students knowledge of general information, but also improve their English language skills and vocabulary.

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

[https://selvamtech.edu.in/files/NAAC/BEST\\_PRACTICES.pdf](https://selvamtech.edu.in/files/NAAC/BEST_PRACTICES.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

The driving force, the vision of the institute is To develop integrated manpower with right attitude, possessing knowledge and skills, required to make an honorable living and contribute to the socio-economic development and welfare of the society. To create excellence by imparting futuristic technical and professional education of global standards. The institute is contributing to the development of the nation by capacity and character building of the students. The College has emerged strong in its pursuit for quality assurance to make our faculty members committed to the mission of our College "To dedicate its energies to be responsive to the needs of an ever-changing society by promoting excellence in academics and art". The College provides ample opportunities to the students from different streams to mingle together in academic as well as sports, cultural and other extra-curricular activities organized through different societies and clubs. The spirit of mutual work, discipline, social responsibility towards community development and nation building is inculcated through clubs. The College contributes towards women empowerment by organizing various activities under the aegis of its Gender Sensitization and Women Development Committee. The women empowerment programs for making them confident enough to succeed in the battle of life. It is key to economic growth, political stability and social transformation. The Selvam College of Technology encourages its faculty and students to participate in seminars and conferences and promote a holistic teaching-learning environment. They are further facilitated by our infrastructural facilities including four fully functional computer labs, well-stocked computerized library and an auditorium equipped with multi-media facility. In order to improve IT infrastructure and teaching methodology, a healthy and vast exposure to our students is created. Integrity and transparency are



reflected in all the endeavors of the institution from the Admission process up to the conferment of Degree/Placement and even beyond. Selvam College of Technology stands for humanity, for tolerance, for reason, for the adventure of ideas and for the search for truth. We promote the Nation building qualities of equality, justice and fraternity. We provide necessary help for the poor tribal in and around our place. Selvam College of Technology Research finds a position in the minds of the students and faculty and it reflects in the quality of work done so far for the benefit of the society and mankind. The design allows researchers to hone in on research methods that are suitable for the subject matter and set up their studies up for success. Our Placement cell will provide the opportunity to gain skills specific to their subject or industry of choice as well as the employability skills required for real-life work. It also increases their knowledge of an industry or sector, allowing them to make better informed decisions about future career choices. Our Institution promises to act as a catalyst to bring about a positive change in the minds of stakeholders for the upliftment of mankind and safety of environment.

Provide the weblink of the institution

[https://selvamtech.edu.in/files/NAAC/INSTITUTIONAL\\_DISTINCTIVENESS.pdf](https://selvamtech.edu.in/files/NAAC/INSTITUTIONAL_DISTINCTIVENESS.pdf)

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

**Academic:** To Increase the pass percentage of students. To increase the percentage of students aspiring for higher studies by taking competitive examinations such as GATE, TANCET, TOFEL, IELTS etc., To encourage the faculties to register the Ph.D., by providing motivation and on duty facilities. **Co curricular activities:** To make the students to update their knowledge to the current technological advancements by organizing seminars, workshops and value added courses in our college itself. To motivate the students to participates in seminars, workshops, internship etc., organized by other institutions by providing on duty. **Research:** To Carry out Collaborative research projects with Combat Vehicles Research and Development Establishment, DRDO, Government of India. To Increase the Collaborative activities with the existing Professional societies such as IEI, ISTE, IEEE etc., publication of more research articles in UGC approved, Scopus and SCI Journal. Through the Selvam Hackathon Cell, to motivate the students for Innovation and product development, To Improve the Technical Skill of the Students through the AICTE sponsored Skill Development Center. **Sports:** By providing very high level sports facilities to create national level and international level sports participants. **Industry Institute Interaction:** Through industry Institute interaction we are providing company specific software trainees for the students. Modules contains such as Industry Expectation Program, Technical skill development program, Soft skill development program, Divergent thinking skill. We are furnishing the students communication skill by training them for perfection in LSWR.

(Listening, Speaking, Writing and Reading). SQ3R (Survey Query Read Recall Review). To make the students recognize the three criteria of core competencies such as providing potential access to a wide variety of markets. To make the students fulfill the expectation of today's competitive industry through Career Development Training. We bring industry people to our institution every week and we make them to interact with the students for creating awareness about the expectation of current industry and corporate world. Mock interviews are conducted for the students by our successful alumnus who helps to analyze the students' strength and weakness. Accreditation: To get the higher grade in the second cycle NAAC accreditation in the year 2021.