

SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

**SUMAN RAMESH TULSIANI TECHNICAL CAMPUS-
FACULTY OF ENGINEERING**

GAT NO. 81,82,91,92,94,97,99,101,102 AND 106(PART), MAUJE KHAMSHET ,TAL
.MAVAL DIST. PUNE PUNE MAHARASHTRA 410405

410405

www.srttc.ac.in

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Suman Ramesh Tulsiani Technical Campus – Faculty of Engineering (SRTTCFOE), is located at Mauje Khamshet, Pune- 410405, Maharashtra, was established in the year 2012 under the support of Suman Ramesh Tulsiani Charitable Trusts with a vision to ensure excellence in imparting quality technical education to fulfill need of the society, globally, through continual improvement.

SRTTCFOE offers undergraduate courses (Bachelor of Engineering) as Mechanical Engineering, Electronics & Telecommunication Engineering, Computer Engineering and Civil Engineering are approved by AICTE, Directorate of Technical Education (DTE), Government of Maharashtra (GoM) and affiliated to Savitribai Phule Pune University (SPPU), Pune, Maharashtra.

SRTTCFOE is a Private-Unaided institute with all necessary infrastructure and supporting academic activities of each department. All Laboratories of SRTTCFOE are well equipped, with all the modern tools as per the requirement of SPPU Pune. SRTTCFOE focuses on committed quality teaching learning process for the excellence in academic curriculum. Teaching Learning process with high class ICT Tools and flexibility in working hours are the integral part of the culture and practices at SRTTCFOE. Extra and Co-curricular activities entrust our students with the required skills to meet the requirement of the industries. SRTTCFOE encourages to develop a research culture among students and teachers for the empowerment of society.

Vision

To ensure excellence in imparting quality technical education to fulfill need of the society, globally, through continual improvement.

Mission

- To impart knowledge & skill based education in collaboration with industry, academia & research organization.
- To prepare competent engineers with the spirit of entrepreneurship.
- Prepare engineers to respond to the current and future needs of the industry, higher studies as well as research.
- Contribution to national wealth through innovations.
- To pursue excellence in all facets of institute functioning.
- To develop individuals with multidimensional personality who will take up responsibilities of the family, the society and the nation.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Visionary & Committed management with social responsibilities
- Strong support of management for development of institute
- Guidance of reputed educational organization (Vishwakarma Institutes)
- Third party academic and administrative audit system
- Ample Infrastructure with pleasant ambience
- Ample land availability
- Good connectivity by road and rail
- Reasonable fees
- Student centric approach
- Good combination of dynamic, enthusiastic fresh and experienced staff
- Well-equipped laboratories & spacious Library
- Well established industry advisory boards in each discipline
- Good service conditions and benefits to staff
- Various activities through professional chapters
- Involvement in social activity

Institutional Weakness

- Lack of soft skill among students
- Not availability of PG courses and research facilities
- Inadequate hostel facility

Institutional Opportunity

- Internal revenue generation
- Development of research center
- Training to students for competitive examinations
- Collaboration with Govt. , Non-Govt. organizations & Private organizations
- Formation of incubation center
- Participation in Intercollegiate and university events

Institutional Challenge

- Remoteness of college from cities
- Admission of students
- Gap between Industry expectations and skill/ knowledge of students
- Placement of students

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

SRTTCFOE, Khamshet is affiliated to Savitribai Phule Pune University (SPPU) and follows the guidelines of SPPU for curriculum planning and implementation. All curricular activities are planned and organized as per guidelines given by the university. Also SRTTCFOE is having academic tie-up with NAAC accredited Vishwakarma Institutes for assuring the quality of curricular planning and implementation through audits. Standard ISO implemented procedure is getting followed in the institute for effective planning and implementation of the curriculum. Also feedbacks are taken from the stakeholders on curriculum implementation for improvements. Faculties contribute in syllabus orientation by participating in various bodies of university.

Teaching-learning and Evaluation

SRTTCFOE follows the admission process as per the guidelines given by the Government of Maharashtra and All India Council for Technical education under the aegis of State Common Entrance Test Cell and the Directorate of Technical Education, through the Centralized Admission Process (CAP Round). The students who got the admission come from different backgrounds. Backgrounds include reservation policy and management quota as per the guidelines given by DTE. SRTTCFOE follows the strategy to support students to receive financial aids from Government of Maharashtra under the reservation and economically backward class policy. In our institute well Qualified, experienced and competent faculties have developed an effective Teaching Learning Process to transfer the knowledge to the students in effective manner. Healthy and Pleasant working environment at the institute level adds to the faculty's interest. Students get academic, personal guidance and social behavioral counseling from the concerned Guardian Faculty Members, Class Teachers and Heads of the Departments. The Teaching, Learning Process is monitored and governed by Associate academic dean and their team. SRTTCFOE encouraged and supports all faculty members financially to participate in seminars, workshops, conference, Examination reforms, syllabus structure and evaluation processes of SPPU for the empowerment society and their self. SRTTCFOE concentrate on continuous assessment process of students for the attainment of stated Graduate outcomes. Our institute has well defined Program Educational Objectives (PEOs) and Program Outcomes (POs) for the empowerment of student. The performance of the students in university examinations and placement opportunities are the result of outcomes of these programs.

Research, Innovations and Extension

The institute is promoting Research and Development (R&D) cell activities through Central Research Committee at institute level. The Institute is budding towards research activities for which it has a distinctive R & D incentive scheme for PhD scholars, as On Duty leaves are provided for faculties who are undergoing Doctoral Programme. Also these faculties are felicitated during gatherings. Collaterally the institute comprises a Central Research Committee (CRC) for promoting of various research activities. The faculties are also encouraged to participate in various development programmes, workshops and conferences, to remain abreast with latest subject knowledge and technological updates. The Final year and third year students of the institute have publicized their project work in various International Journals signifying the research atmosphere is growing up. Also the Final Year students have done project work in renowned industries like TATA motors, Racold, Thermax etc. The students of Final Year Computer Engineering have filed two patents and have been accepted. Currently, SRTTC is correlated with 18 standard companies with MOU's to face current engineering problems in the market. In addition Board of College and University Development (BCUD) of Savitribai Phule Pune University supports research activities of the institute by providing research grants for research activities. The institute visits various industries to cater practical knowledge of current trends in engineering. The Institute has organized various social activities like Swatch Bharat Pakhwada, Tree Plantation, Blood Donation and

Digital Awareness. The institute pays tribute to the nation by organizing all national festivals and world yoga day etc.

Infrastructure and Learning Resources

SRTTCFOE has sufficient infrastructure and well-equipped laboratories in every department as per the AICTE norms for quality Teaching Learning Process and Research. The campus is supported with boy's common room and girls common for their extracurricular activities with all the necessary facilities. All Classrooms having projector and LAN connection for better teaching learning process. The computing facility within the SRTTCFOE is supported by LAN, Wi-Fi & high speed internet connectivity. The institute library consists of 1645 reference books and 9316 volumes along with e-journals. The reading hall is available to all the students. Library with computing and internet facility gives easy access to Science Direct. The library has institutional membership of DELNET, National Digital Library of India. The Institute encourages the students to participate in various sporting activities. Students have access to the indoor and outdoor sports facilities in the campus. The institute offers a platform for the students to experiment their innovative projects while participating in the National competitions. Cultural activities are also encouraged in the institute and the desired support is provided through finance and infrastructure.

The institute has a standby arrangement of Diesel Generator to satisfy the need of the electric power at the institute. The institute has a dedicated supervisor of maintenance of equipment and computing facilities of the institution.

Student Support and Progression

Suman Ramesh Tulsiani Technical Campus-Faculty of engineering (SRTTC-FOE) provides all government and non-government schemes as per norms of DTE Maharashtra. Institute felicitates the first three topper students of each department are awarded with Cash reimbursement of Rs. 5000/- and Rs. 3000/- and certificate of appreciation by management of SRTTC-FOE from last two year. SRTTC-FoE provides Earn & Learn scheme for financially backward students. Every year students are selected for this scheme. Students of the institute are encouraged with moral and financial assistance for participating in various National and International competitions and events like SAE completions, Go-Karting events etc. The institute also provides guidance towards competitive exams like GATE, GRE etc. The institute provides career counseling sessions by experts of respective fields to boost up confidence and holistic development. Extra-curricular and Co-curricular activities promoted by the institute which act as a catalyst for overall personality development of students. The institute forms a student council every year which manage annual sports, technical and cultural events within campus, now these activities are handled by student development cell under the control of Associate Dean student Development. The institute has formed various cells like to address various social forums like anti-ragging, Women's Grievance, Anti-Sexual Harassment. The institute organizes annually alumni meets which acts as a front for discussion between passed out students and faculties. The institute has training and placement cell to encounter students in present market.

Governance, Leadership and Management

The management of SRTTCFOE develops the excellent and pleasant infrastructure for the execution of effective teaching learning process for the empowerment of student. The Principal along with all the heads of

department provides academic leadership for the encouragement among the entire faculty and student for quality enhancement. Principal along with the heads of departments decides the strategies for entire academic year. This core team also takes review of execution of all the activities related to academic performance, research, student development, placement activities and other extracurricular activities in the institute through IQAC cell. The benchmarking of quality standards and its monitoring, evaluation of attainment will be carried out by the IQAC independently. The performance of all teaching and nonteaching staff evaluates on the basis performance appraisal system parameters and this appraisal system is well defined and presented to every faculty before finalization by governing body. Our stakeholders indirectly involve in feedback system and they give feedback to the management that is used to ensure reinforcement of the culture of excellence. Staff and students welfare scheme is also available in the institute level to create a sense of ownership. In our institute we plan financial annual budget based on the requirements of recurring and nonrecurring expenditures. The institute has developed the mechanisms for quarterly audit which ensure the budget utilization and proper documentation. The institute has developed the perspective plan which includes association with industries for the empowerment of student in terms of placement activity and staff in terms of research activity.

Institutional Values and Best Practices

SRTTC FOE is situated in lush green environment. Institute has developed green and clean environment through tree plantation, waste management, rain water harvesting, and application of (Photovoltaic) PV solar system. It has fire fighting instruments, trained security team, CCTV surveillance, Internal Complaint Committee to ensure safety and security of students and staff. College provides transport facility to reduce carbon footprint. Institute believes in conducting social activities for underprivileged such as computer donation to school, sport kit donation, etc. Institute has well defined organizational structure, code of conduct for student and faculty.

The best practices which have resulted in encouraging impact on the academic and administrative work environment include, National Programme on Technology Enhanced Learning courses, Industry Advisory Board, Add on courses and Enterprises Recourses Planning (ERP). ERP is centralized data system which provides large function ability. Add on courses enhances employability skill of students. These courses helped our students to become more aware and attain specific requirement of skill set for a job profile.

The foremost distinguishing practice of our institute is accomplishing student's development through providing scope, opportunities, facilities and practice. The SAE BAJA, TIFAN, SUPRA BAJA, Go-kart, mini project, technical events, on field visits and social activity played important role in student development. Institute has various professional chapters like NPTEL, ISTE (Indian Society for Technical Education), QCFI (Quality Circle Forum of India), NSS (National Service Scheme), CESA (Civil Engineering Student's Association) and other students association to provide global platform for students to participate and enrich the knowledge.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	SUMAN RAMESH TULSIANI TECHNICAL CAMPUS-FACULTY OF ENGINEERING
Address	GAT NO. 81,82,91,92,94,97,99,101,102 and 106(PART), MAUJE KHAMSHET ,TAL .MAVAL DIST. PUNE PUNE MAHARASHTRA 410405
City	PUNE
State	Maharashtra
Pin	410405
Website	www.srttc.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	PHAKATKA R HARIBHAU GANPAT	02114-264101	8411969782	-	principal@srttc.ac.in
IQAC Coordinator	DALVI ANJALI MA NOJKUMAR	02114-264235	9921897835	-	assodeanqa@srttc.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	10-05-2012

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Maharashtra	Savitribai Phule Pune University	View Document

Details of UGC recognition	
Under Section	Date
2f of UGC	
12B of UGC	

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	02-05-2017	12	

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	GAT NO. 81,82,91,92,94,97,99,101,102 and 106(PART), MAUJE KHAMSHET ,TAL .MAVAL DIST. PUNE PUNE MAHARASHTRA 410405	Rural	13.78	11969

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/ Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Civil Engineering	48	HSC	English	54	5
UG	BE,Computer Engineering	48	HSC	English	54	11
UG	BE,Electronics And Telecommunication Engineering	48	HSC	English	1	0
UG	BE,Mechanical Engineering	48	HSC	English	108	4

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	6				12				43			
Recruited	1	0	0	1	0	0	0	0	35	7	0	42
Yet to Recruit	5				12				1			
Sanctioned by the Management/Society or Other Authorized Bodies	6				12				43			
Recruited	1	0	0	1	0	0	0	0	35	7	0	42
Yet to Recruit	5				12				1			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				1
Recruited	0	1	0	1
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				26
Recruited	20	6	0	26
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				4
Recruited	4	0	0	4
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	0	0	0	2	1	0	4
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	33	6	0	39

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	17		0		17

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	14	3	0	0	17
	Female	3	0	0	0	3
	Others	0	0	0	0	0
Diploma	Male	26	1	0	0	27
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	0	7	6	7
	Female	1	2	1	0
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	16	19	16	9
	Female	3	3	3	0
	Others	0	0	0	0
General	Male	29	83	88	106
	Female	10	15	18	8
	Others	0	0	0	0
Others	Male	1	3	4	5
	Female	2	0	0	1
	Others	0	0	0	0
Total		62	132	136	136

3. Extended Profile

3.1 Programme

Number of courses offered by the institution across all programs during the last five years

Response : 195

Number of self-financed Programmes offered by college

Response : 04

Number of new programmes introduced in the college during the last five years

Response : 02

3.2 Student

Number of students year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
700	836	607	404	206

Number of seats earmarked for reserved category as per GOI/State Govt rule year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
135	150	150	150	150

Number of outgoing / final year students year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
231	166	1	1	1

Total number of outgoing / final year students

Response : 397

3.3 Academic

Number of teachers year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
80	65	55	33	15

Number of full time teachers year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
66	65	55	33	15

Number of sanctioned posts year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
80	80	60	40	20

Total experience of full-time teachers**Response : 643****Number of full time teachers worked in the institution during the last 5 years****Response : 149****3.4 Institution****Total number of classrooms and seminar halls****Response : 16****Total Expenditure excluding salary year wise during the last five years (INR in Lakhs)**

2016-17	2015-16	2014-15	2013-14	2012-13
213.55	378.97	477.21	400.43	133.42

Number of computers**Response : 430**

Unit cost of education including the salary component(INR in Lakhs)

Response : 0.95

Unit cost of education excluding the salary component(INR in Lakhs)

Response : 0.58

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

Response:

The institute is affiliated to Savitribai Phule Pune University (SPPU). Suman Ramesh Tulsiani Technical Campus Faculty of Engineering is an ISO 9001:2015 certified institute and follows all the documented process as per decided in the ISO manual for effective curriculum delivery. The process used for a well planned curriculum delivery and documentation is as follows:

- i. Each and every activity for effective curriculum delivery is getting initiated, discussed and implemented by concerning with Principal, Vice Principal and Local Management Committee.
- ii. Dean Academics prepares an institute academic calendar in correlation with the SPPU academic calendar in prior to start of semester.
- iii. All HOD's will prepare the Departmental Academic Calendar as per Institute Academic Calendar.
- iv. Subject preferences from the curriculum declared by university are taken by the HOD from all teachers & Subject allocation has been done as per the standard policies.
- v. Subject teacher prepares course files, presentations, laboratory manuals after subject allocation for effective implementation of curriculum. Also the subject teacher prepares teaching plan and practical plan manually and uploads it in Enterprise Resource Planning (ERP). After approval of teaching plan & practical plan by HOD, one starts filling the attendance and implementation.
- vi. The students made aware about teaching & practical plan by uploading it on website, displaying it on notice boards and explaining it in the starting lectures of the semester.
- vii. ERP software is used for preparation of teaching plan, filling of attendance, monitoring of implementation sheet and other admin & academic activities. Implementation sheet helps HOD's to monitor the gap between planned and actual conducted lectures. According to the gap, the HOD's prepares timetable and further activities.
- viii. For effective students overall development and personal attention, mentor-mentee scheme has been implemented.
- ix. The institute conducts unit tests, prelim tests for checking the performance of the students along with university exams (In-semester/online, Oral/Practical and End-semester exams) as per the university norms.
- x. All the processes are monitored, analyzed and verified for quality checking and quality improvements in

various audits like Academic Monitoring Committee (AMC), Internal Quality Assurance Cell (IQAC) Audit, Internal & External ISO Audits, Vishwakarma Institutes Audits.

xi. Documented process in the institute is carried out and maintained effectively by using official emails and with the help of Electronic Resource Planning (ERP) System.

xii. The effective curriculum delivery is done additionally by conducting industrial visits, expert lectures, workshops, in-plant trainings and additional value added courses like MSC Adams, JAVA, STADD PRO, etc.

xiii. Organization Structure is prepared and every activity is checked and verified as per the structure of the institute.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 27

1.1.2.1 Number of certificate/diploma programs introduced year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
05	11	01	04	06

File Description	Document
Any additional information	View Document
Details of the certificate/Diploma programs	View Document

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 52.39

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
45	44	31	23	0

File Description	Document
Details of participation of teachers in various bodies	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years Response: 14.87	
1.2.1.1 How many new courses are introduced within the last five years Response: 29	
File Description	Document
Details of the new courses introduced	View Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Any additional information	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented Response: 100	
1.2.2.1 Number of programs in which CBCS/ Elective course system implemented. Response: 4	
File Description	Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Any additional information	View Document
Name of the programs in which CBCS is implemented	View Document

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years**Response:** 57.45

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
283	447	336	181	192

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment**1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum****Response:**

Institution is taking continuous efforts for integrating cross cutting issues and the description of the efforts is as follows:

1. Gender:

Internal Complaint Committee (ICC), Grievance Redressal Committee and Anti-Ragging Committee are formed to play a vital role for addressing the issues related to gender such as harassment, ragging and gender equity awareness, etc.

Various workshops and programs are conducted through these committees and NSS committee.

2. Environment and Sustainability:

To address this issue, SPPU has added various courses into curriculum like Environmental Engineering-I, Basic Civil and Environmental Engineering, Infrastructure Engineering, Audit Course, Power Plant Engineering, Energy Audit and Management to address the issue.

Additional to this, institute uses standard procedure for waste disposal, water recycling, and rain water harvesting.

Various awareness programs are organized through NSS committee related to environment and sustainability.

3. Human Values:

To address this issue, SPPU has added various courses into curriculum like Soft Skills, Audit Course to address the issue.

4. Professional Ethics:

To address this issue, SPPU has added various courses into curriculum like Soft Skills, Employability Skill Development, and Awareness to Civil Engineering Practices to address the issue.

File Description	Document
Any Additional Information	View Document
Link for Additional Information	View Document

1.3.2 Number of valued added courses imparting transferable and life skills offered during the last five years

Response: 19

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 19

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document
Any additional information	View Document
Brochure or any other document relating to value added courses.	View Document

1.3.3 Percentage of students undertaking field projects / internships

Response: 18.39

1.3.3.1 Number of students undertaking field projects or internships

Response: 98

File Description	Document
List of students enrolled	View Document
Any additional information	View Document
Institutional data in prescribed format	View Document

1.4 Feedback System

<p>1.4.1 Structured feedback on curriculum obtained from 1) Students 2) Teachers 3) Employers 4) Alumni 5) Parents For design and review of syllabus semester wise/ year wise</p> <p>A.Any 4 of the above</p> <p>B.Any 3 of the above</p> <p>C. Any 2 of the above</p> <p>D. Any 1 of the above</p> <p>Response: A.Any 4 of the above</p>	
File Description	Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document
Any additional information	View Document
URL for stakeholder feedback report	View Document

<p>1.4.2 Feedback processes of the institution may be classified as follows:</p> <p>A. Feedback collected, analysed and action taken and feedback available on website</p> <p>B. Feedback collected, analysed and action has been taken</p> <p>C. Feedback collected and analysed</p> <p>D. Feedback collected</p> <p>Response: A. Feedback collected, analysed and action taken and feedback available on website</p>	
File Description	Document
Any additional information	View Document
URL for feedback report	View Document

NAAC

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrolment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 3.18

2.1.1.1 Number of students from other states and countries year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
10	18	14	15	13

File Description	Document
List of students (other states and countries)	View Document
Any additional information	View Document
Institutional data in prescribed format	View Document

2.1.2 Average Enrolment percentage (Average of last five years)

Response: 45.26

2.1.2.1 Number of students admitted year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
62	132	136	136	206

2.1.2.2 Number of sanctioned seats year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
270	300	300	300	300

File Description	Document
Any additional information	View Document
Institutional data in prescribed format	View Document

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 20.21

2.1.3.1 Number of actual students admitted from the reserved categories year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
23	34	30	22	40

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

SRTTC FOE is affiliated to Savitribai Phule Pune University and approved by All India Council for Technical Education & **Directorate of Technical Education(DTE)**; the students do not directly apply to the college but apply for admission to centralized admission process (CAP) conducted by DTE Government of Maharashtra, therefore the learning levels are assessed on the basis of qualifying marks. The institute has its own mechanism for identifying the slow and advanced learners. The academic requirements of the students admitted are analyzed. Mentors are assigned to the group of students who assess the cognitive & academic abilities along with leadership skills, creative thinking and Behavioral aspects. The students are categorized and groomed. Mentor – mentee plays a vital role in framing the whole system. Special mentoring for slow learners including separate assignments, hands on session, bridge classes are organized. For advanced learners add on courses in collaboration with external agencies are conducted for enhancing technical skills as per the market requirement. In addition to this E-learning support is also provided for students so that the conceptual teaching learning process is acquired. For advanced learners self learning support for content beyond syllabus is provided. Furthermore students are encouraged to participate in various technical activities like mini project competitions, workshops & industry sponsored projects. For slow learners more emphasis is given on the pre-requisite of the subjects. This is achieved by remedial classes at the start of the semester.

File Description	Document
Any additional information	View Document

2.2.2 Student - Full time teacher ratio	
Response: 8.88	
File Description	Document
Institutional data in prescribed format	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls	
Response: 0	
2.2.3.1 Number of differently abled students on rolls	
File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.3 Teaching- learning Process

<p>2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences</p> <p>Response:</p> <p>At the beginning of each academic year, the affiliating university gives guidelines about the dates of :</p> <ul style="list-style-type: none"> • Commencement of the semester. • End of the semester. • Schedule of In-Semester, End Semester, Online Examinations. • Schedule of Oral, Practical Examinations. <p>All academic processes are carried out as and monitored through ERP. Dean Academics prepares institute academic calendar in consultation with the Principal. It is then distributed to the respective departments. The time table coordinator of each department prepares Departmental Academic Calendar in consultation with Head of the Department. Syllabus is entered in ERP by Subject Teacher. Considering the academic calendar, teaching plan of each course is prepared by Subject Teacher through ERP. The implementation of the syllabus is monitored by Head & Dean Academics. The entire planning and organizing of lecture and practical schedule is done through ERP system. Periodical Academic Audits are conducted. Institution has adopted Outcome Based Education (OBE). All the academic processes are designed and oriented towards student learning. Course objectives and course outcomes are defined for every course and communicated to the students. Student -Teacher meetings are conducted twice a semester to get inputs for attainment of expected learning outcomes. Based on this teachers develop their further mode of delivery. Teachers are also encouraged and sponsored to attend training programs to improve teaching and technical skills organized by the institute and by other organizations. Institute organizes in-house training programs to</p>

enable teachers on how to mentor and guide students. Final year project is yet another platform available to students for collaborative and interactive learning. Institute supports faculty to organize project competitions and student conferences so that students can demonstrate the outcome of their collaborative and interactive learning. In addition, support is also extended to following activities to make learning student centric:

1. Guest/Expert Lectures
2. Enrichment Courses
3. Add on Courses
4. Industry/Site Visits
5. E-learning Support (NPTEL, My Examo)

The evaluation of students is done through

- Theory – Unit test, In semester, End Semester examinations
- Online examinations
- Oral /Practical examinations

The details of these examinations are announced well in advance and the external examiners are appointed by the affiliating university.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 100

2.3.2.1 Number of teachers using ICT

Response: 60

File Description	Document
List of teachers (using ICT for teaching)	View Document
Any additional information	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues**Response:** 17.19**2.3.3.1 Number of mentors**

Response: 31

File Description	Document
Year wise list of number of students, full time teachers and students to mentor ratio	View Document
Any additional information	View Document

2.3.4 Innovation and creativity in teaching-learning**Response:**

Institute has made a mark in Innovations and constantly pursues innovative strategies in its system with the help of different practices as elaborated below:

Laboratories are designed and developed in line with industrial requirements. The required standards are followed during conduct of experiments. Innovative operating manuals for each setup/instrument are developed by the faculty members and are made available to the students for use. Self-learning laboratory is used to design and explore transformational learning environments. The topic wise video lectures from National Programme on Technology Enhanced Learning (NPTEL) help to understand concepts in-depth. The use of virtual laboratories gives opportunity to learner for simulating/optimizing the situation. Individual understands his learning level through self-testing. The provision of MOOCs can be explored in the laboratory to learn and certify oneself at global level. E-Resources aids the faculty members to deal with abstract concepts in the classroom. Assignments are given to the students which helps them to bog down to greater details. The inherent characteristics of e-resource to use it anytime anywhere are taken advantage of which is aided by the high broadband Wi-Fi availability in the campus. Course material, power point presentations are prepared by course coordinators available through goggle drives. Development of specific attributes amongst the students is achieved through various cells. Honesty, hard-work, team-work, social work, national integrity and development, are imbibed amongst students through these cells purposefully through specific activities. Academic monitoring committee at the institute level and department level ensures implementation of academic plan for achieving the set targets. The established mechanism provides opportunity to the committee to get information about the status of academic activities at any given moment thereby making it feasible to take corrective actions if required. Such close monitoring has boosted the institute results especially at final year.

SWOC is carried out at institute level. To quote its use, institutional strength like faculty and infrastructure is utilized to train the candidate effectively and efficiently. The area of weakness to have strong linkages with stake holders is underlined. The opportunity to become symbiont with industries need to explore. The higher rate of technological changes needs to be incorporated in the curriculum which may pose challenge in time to come.

Use of audio video recording resources to record the lectures delivered by faculty which is further used to

carry out teaching analysis. Similarly, it is used to record student presentations and mock interviews which help to improve upon their performance.

Technical skill building is promoted by organizing model making competitions. The constraints like economy, environment, time, energy, efforts are highlighted in the problem definition. Also, these competitions ensure contemporary skill building amongst faculty as well as students. It also provides opportunity to the students to exhibit skills to probable employer.

File Description	Document
Any additional information	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 82.58

File Description	Document
Any additional information	View Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 7.17

2.4.2.1 Number of full time teachers with Ph.D. year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
4	4	4	1	2

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document
Any additional information	View Document

2.4.3 Teaching experience of full time teachers in number of years**Response:** 10.72

File Description	Document
Any additional information	View Document
List of Teachers including their PAN, designation,dept and experience details	View Document

2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years**Response:** 38.87

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
66	31	14	7	0

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years**Response:** 9.42

2.4.5.1 Number of full time teachers from other states year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
8	9	8	3	1

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

The institute monitors the quality of teaching in the following ways-

- Academic Monitoring Committee members regularly monitor teaching process adopted by Course Coordinators. Meetings have been conducted in presence of UG Coordinators, Module Coordinators and Course Coordinators before commencement of the semester to streamline the teaching process.
- Meetings of the students with class teachers are conducted frequently. The points which need to be resolved are taken care by the Head of the department. A consolidated report of such meetings requiring intervention of the Principal is sent by head of the department to the Principal.
- Feedback about faculty is taken from the students through ERP, twice a semester. In this feedback, ranking parameters related to teaching competencies and attitude of the concerned faculty are asked. Based on the feedback, Heads of Departments gives necessary directions for improvement in the teaching methods. Principal also monitors the feedback system and counsels the faculty having scope for improvement.
- Various Outcome Based Education tools including Project evaluation are used to take course feedback from students.
- Feedback from stakeholders is taken periodically to take inputs to provide additional training programs to get industry sponsored projects for students.

Institute has initiated following evaluation reforms

- Periodic project work evaluation by industry experts.
- Through assessment methodologies adopted in OBE framework as :

Different direct tools and indirect tools (In Semester ,End Semester and online Exams, exit survey etc.) are adopted by the institution to evaluate student's learning outcomes.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

Transparency in the assessment is of key importance for building belief in the system. The mechanism adopted for internal assessment ensures transparency by involving various stake holders as elaborated below:

1. Term work evaluation of students is based on continuous assessment. Students are made aware of this assessment scheme in the orientation program and in the first lab/tutorial session.
2. Notices/circulars are circulated to faculty in department meetings, are displayed on notice boards and by emails.
3. Continuous assessment evaluation scheme is discussed in Student Class Teacher Meetings.
4. Assessment of activities like seminars, mini-projects, projects, along with third party review brings transparency in the process.

The robustness of mechanism helps to achieve consistently good result which is highlighted from the result of the institute, especially, final year result. Following part constitutes the robustness of the mechanism:

1. The expected level of the outcome is specified and declared to the assessor which helps the assessor to set the assignment accordingly.
2. Declaration of assessment method by providing assessment scheme and complete solutions of the assignments to the students after conduction of assessment.
3. The declared scheme helps the assessor to assess the students in expected domain thereby ensuring the outcome under the situation that the assignment is assessed either by one or the other faculty.

The frequency of assessment is decided as follows:

1. Unit-wise assignment and online test: On Completion of Unit.
2. Practical assessment: Weekly.
3. Seminar and project: Monthly.
4. Class Test: Twice in Semester.
5. Preliminary test: End of the Semester.
6. Feedback: Twice in Semester.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

Response:

Grievances related to Institute level Examination:

The students are communicated about class tests through academic calendar at the starting of the semester and also time to time through notice board. The answer papers are corrected and distributed to the students within stipulated time from the conduction of the class test. The grievances raised in the class tests are solved through the respective subject teacher.

Grievances related to University level Examination:

The administrator will be resolving the issues during the conduction of online examination in concern with the university online. During In-Semester examination temporary exam seat numbers are provided to the provisional students.

The grievances related to exam form filling, name misprint on hall ticket, pending results due to documents submission pending are intimated to the university through proper channel and get it solved.

The university has made an online provision for the student to apply for revaluation or photocopy if there are any doubts in the end semester examination result. The student can request for the photocopy and get it verified through the subject teacher and again apply for revaluation.

File Description	Document
Any additional information	View Document

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

SRTTC FOE is affiliated to SPPU it follows the timeline give by affiliating authority. Also we have the AMC (Academic Monitoring Committee) which is responsible for monitoring and smooth conduction of the academic processes in the institute. Before commencement of new semester, the academic calendar is prepared Dean Academics. The departments prepare their own academic calendars based on the institute academic calendar. The internal assessment techniques adopted by the faculty for their respective subjects are communicated to the students at the start of the semester along with the schedule to ensure well preparedness of the students for the same. The AMC schedules periodic audits to each department in order to ensure that the assessment activities mentioned in the respective academic calendar are carried out as per schedule.

Various tools which are used for the assessment by the external board of committees like Committee from VIIT, Kondhwa Internal auditors and external auditors from BSI for ISO certification, Management

Review Committee (MRC) during MRC meeting, Higher bodies like Principal and HOD's.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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 on website and communicated to teachers and students

Response:

The program Outcomes (POs) and Program Specific Outcomes (PSOs) are displayed on each departmental notice board. The Course Outcomes (COs) are defined by the course coordinator in consultation with module coordinator and Departmental Advisory Board (DAB). In addition to this, the outcomes are conveyed to the stake holders by displaying them at appropriate locations like, college library, Institute notice board, Institute website and laboratories.

The course files of the course coordinators also contains the POs, PSOs and COs. The outcomes are communicated to faculty through faculty development programs and training organized for faculty. Outcomes are frequently discussed in faculty meeting. The outcomes are made part of the course file and communicated to students in principal's address at the start of each semester. Also faculty members discuss POs, PSOs and COs. in the class while discussing lecture plan.

File Description	Document
COs for all courses (exemplars from Glossary)	View Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

The institute has adopted Outcome Based Education (OBE) system which improvises the learning experience of engineering graduates so that nurturing of all program outcomes gets fulfilled. This ensures that an engineering graduate passing out of the institute, posses a sound knowledge in the particular program, global mobility and acceptance.

The institute follows the program outcomes laid by the National Board of Accreditation. The syllabus prescribed by the Savitribai Phule Pune University (SPPU) has defined Course Outcomes (CO) for some of the courses. However, if the course coordinator finds them inadequate, then the course coordinator can define additional COs for the respective subject. Each of the CO is mapped to one or more Program Outcomes (PO). The attainment of CO's is evaluated by assessing students using various assessment tools.

The institute follows the Internal & External method for this assessment. Internal method includes parameters like Continuous Assessment, Term Work, Online Exam, In-Semester Exam, Mini-Projects. External method includes End-Semester Exam, External Practical, External Oral & Projects. Program Outcomes (PO) is evaluated by considering direct & indirect attainments.

1. Direct Attainment = Average of all CO attainment addressing that PO
2. Indirect Attainment is determined based on student exit surveys, employer survey, co-curricular activities, extracurricular activities etc.

Final PO attainment = $(0.8 \times \text{Direct attainment} + 0.2 \times \text{Indirect attainment})$

Course Outcome (CO) attainment is evaluated by considering Internal & External tools.

Overall Attainment of COs = $(0.2 * \text{avg of Internal Tools} + 0.8 * \text{avg of external Tools})$

* avg of internal or external tools which are applicable

The attainment levels for each question are defined. For example

- Attainment level 1: < 50% students score more than **X%** marks in the question.
- Attainment level 2: 50 % to 70% students score more than **X%** marks in the question.
- Attainment level 3: > 70% students score more than **X%** marks in the question.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students

Response: 83.56

2.6.3.1 Total number of final year students who passed the university examination

Response: 188

2.6.3.2 Total number of final year students who appeared for the examination

Response: 225

File Description	Document
Any additional information	View Document
Institutional data in prescribed format	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Database of all currently enrolled students	View Document
Any additional information	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years

Response: 0

3.1.1.1 Total Grants for research projects sponsored by the government/non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year wise during the last five years(INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
List of project and grant details	View Document
Any additional information	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document

3.1.2 Average number of research projects per teacher funded by government and non government agencies during the last five years

Response: 0.03

3.1.2.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 5

File Description	Document
Any additional information	View Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	View Document
Funding agency website URL	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

The institute bears best practices to study the market problems where the students approach to various industries for real time problems. The institute encourages staff and students to devote themselves to research activities. In this regard, institute has entrepreneurship development cell and industry institute interaction cell which plays a vital important role for students to develop entrepreneur skills and dig up areas for being an entrepreneur. Establishment of ISTE chapter in the institute helps students and faculties to take up research activities on their own. Industry Institute Interaction Cell helps to reduce the knowledge gap between industry and academia by initializations of activities like sponsored projects, field visits, student exchange and internship for students. The establishment of Industry Advisory Board lays a pedestal for students to gain knowledge to R and D problems in industry and knowledge and technology propagation. The Central Research Committee plays a key role by training faculties and students in the research domain. The activities like seminars, guest lectures are organized frequently. Thus, the activities focused on research and innovation helping for a foundation of knowledge transfer. The Institute has also associated with Rackson IT firm for which Incubation centre for budding entrepreneur is in progress. Also a Center of Excellence has been formed with Computer Engg Department with M/s. Wisdom Sprouts, Baner Pune as initiative for creation and transfer of Knowledge.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 52

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
43	7	1	1	0

File Description	Document
Report of the event	View Document
List of workshops/seminars during the last 5 years	View Document
Any additional information	View Document

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research	
Response: Yes	
File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards	
Response: Yes	
File Description	Document
List of Awardees and Award details	View Document
Any additional information	View Document
e- copies of the letters of awards	View Document

3.3.3 Number of research papers per teacher in the Journals notified on UGC website during the last five years				
Response: 0.38				
3.3.3.1 Number of research papers in the Journals notified on UGC website during the last five years				
2016-17	2015-16	2014-15	2013-14	2012-13
29	30	14	20	2

File Description	Document
Any additional information	View Document
List of research papers by title, author, department, name and year of publication	View Document

3.3.4 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

Response: 0.22

3.3.4.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
18	11	9	10	3

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	View Document

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

Institute is founded on charitable grounds where the students are encouraged for conduction of extension and social activities to indoctrinate ethical values and addressing social issues. The Department of Computer Engineering conducted sessions towards Digital Media Awareness for Local shops in Kamshet. Also The institute organizes tree plantation and celebrates World Yoga day annually. The institute also addresses to women empowerment issues and Computer Literacy for educating school students. The institute organizes technical events and socio-technical event "Sneh Suman" every year. These events promote the students skills like qualities in students such as coordination, leadership skills and inquisitiveness. Road safety programs were also organized for the students of Suman Ramesh Tulsiani International School to embark awareness towards road signs and ways to avoid accidents.

The institute has donated Computers to Shri. Chattrapati Shivaji Madhyamic Vidyalaya, Shivali, Pune as mark for mutual relationship. The institute has established NSS cell in the institute in year 2017 through which there were events organized like Fort Cleaning, road safety programmes. The Institute in

coordination with NSS has organized Awareness program on Water conservation to residents in Shivali village

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

3.4.2 Number of awards and recognitions received for extension activities from Government /recognised bodies during the last five years

Response: 6

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
5	1	0	0	0

File Description	Document
e-copy of the award letters	View Document
Number of awards for extension activities in last 5 years	View Document
Any additional information	View Document

3.4.3 Number of extension and outreach programs conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc., during the last five years

Response: 0

3.4.3.1 Number of extension and outreach programs conducted in collaboration with industry,community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc.,year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document
Reports of the event organized	View Document
Any additional information	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 12.2

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
201	270	0	0	0

File Description	Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	View Document
Any additional information	View Document
Report of the event	View Document

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 73

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
51	22	0	0	0

File Description	Document
Number of Collaborative activities for research, faculty etc.	View Document
Any additional information	View Document
Copies of collaboration	View Document

3.5.2 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 7

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
4	3	0	0	0

File Description	Document
Details of functional MoUs with institutions of national, international importance, other universities etc. during the last five years	View Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

The SRTTCFOE has well equipped and adequate classrooms with green boards, LCD projector with LAN connectivity. These teaching aids with all the facilities are shown to the student for better understanding and enhancing their knowledge for the quality improvement in technical fields. By using these tools students can develop their presentation skill. The classroom having sufficient and good quality furniture so that student can give more concentration on teaching learning process. The teachers in classrooms uses collar mike so as to be audible to entire class. The college has well equipped tutorials rooms for the discussion of assignment completion and Projects, seminar and also faculty can concentrate each of students for the empowerment of teaching learning process. All the laboratories are well equipped with latest equipment as per the curriculum decide by SPPU on timely basis and which are calibrated as per the norms. The practicals and assignments are performed as per the SPPU syllabus which is design by BOS members and Industry person by taking care of current need. The Laboratory having charts and models for the better understanding of assignments and practical's. In some of the labs there is a Virtual lab software for the better understanding of virtual world by taking care of all the practicals run in the labs. We have developed our own system for conducting practical's in labs in such a way that student understand it in easier manner by taking care of all the levels of students. In our college we have developed Language Laboratory as per the norms given by AICTE for the improvement in students in terms of communication skill. We have also purchase "My Examo" online test series to enhance capabilities of students for better performance in SPPU online exam. The college has developed well equipped workshop with all the latest machines. In SRTTCFOE we have given more concentration on Library development because Library is a heart of Teaching Learning Process. SRTTCFOE library having good number of books, journals magazines and e-resources as per the curriculum given SPPU. It has a semi-automated OPAC software system integrated with ERP. Library has well-furnished reading room with 24x7 Wi-fi facility and Multimedia PCs. Book Bank scheme is also available to the economically meritorious students. Training Placement cell and Institute Industry interaction cell T&P cell facilitates arranging training session, placement drive, Mock interview and group discussions are regularly practiced. Institute Industry interaction cell arranges site visit, gives guidance to final year students for industrial Projects and facilitates with summer internship and cell helps in entering MOU with industries. The college has two Seminar halls with ICT facility for conducting subject matter expert lectures, paper presentation, conferences and workshops.

File Description	Document
additional information	View Document
Link for Additional Information	View Document

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor) gymnasium, yoga centre etc. and cultural activities

Response:

The college has adequate sports facilities for students. In Indoor facility we are having Badminton court, Carom Facility, table Tennis, Chess. In outdoor facility we are having well maintained cricket ground, Volleyball court, Basketball court and Kabaddi ground.

In our college we are also arranging InterCollege and Intra College matches for Students empowerment in sport area. Various functions like fresher parties, farewell functions, yoga day, and celebration of festival are also held in our campus.

File Description	Document
additional information	View Document
Link for Additional Information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 16

File Description	Document
any additional information	View Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 33.39

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
21	127.00	236.50	235.00	20.5

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document
Audited utilization statements	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

Main objective of the library is to contribute for the vision mission of the institute and to provide accessibility of information to the students and faculty members in well organized manner. Also to adopt new technology to satisfy user needs. The library is partially automated using library management software 'SLIM21 (V.2.9.1)' since 2011. SLIM21 – is popular and advanced integrated library automation management software.

In SLIM21 information retrieval is simple, fast and efficient. This software is versatile, user-friendly and cost-Effective. It incorporates latest tools and techniques, also cataloguing adhere to international standards.

SLIM21 is equipped with different basic modules like Cataloguing, Circulation, Serials and OPAC. Cataloguing module catalogues any type of material, print as well as non-print. SLIM has virtually no limit on length of bibliographic details.

Circulation module facilitates lending of books to users and receiving them back. This module is used for all types of counter transactions such as: Issue, Renewal, Return, Reservation, Reservation Cancel, Reminders. Easier interface for barcode system which offering basic transactions like Issue and Return. This module also shows Statistical reports for all specified counter transactions. This module gives facility for printing book spine label as well as accession number barcodes. This module gives facility of printing borrower cards with wide range. Serials module simplifies tracking of Journal holding of the library. It generates arrival schedule for issues of journal.

OPAC module facilitates easy access of available resources to the users. This module is designed to search all available databases using important fields and This module has Simple search and advanced search facility to search the database using important fields such as Item type, Accession Number, Author, Title, Edition, Year, Publisher, Department and availability.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

The central library of SRTTC-FOE has downloaded various rare books from Rare Book Society of India (RBSI). These books stored on the server and URL link is provided on library webpage for accessibility. These books bear as material for enrichment of knowledge to the students and faculty.

Also the library holds a total of 700 bound volumes of journals donated from TCS, which are related to engineering streams of Computer, mechanical and civil.

The journals donated by TCS, Pune comprise of published papers from reputed publishers such as American Society of India, Iron and Steel Society, Taylor and Francis, Mercer Island, Elsevier etc.

The central Library allows to access IS Codes as reference material for the students which aid them for project work and furtherance of knowledge.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.3 Does the institution have the following:

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in lakhs)

Response: 6.25

4.2.4.1 Annual expenditure for purchase of books and journals year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
4.0465	5.34709	7.68159	3.91292	10.26092

File Description	Document
Any additional information	View Document
Audited statements of accounts	View Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Details of remote access to e-resources of the library	View Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 18.72

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 111

File Description	Document
Details of library usage by teachers and students	View Document
Any additional information	View Document

4.3 IT Infrastructure

File Description	Document
<p>4.3.1 Institution frequently updates its IT facilities including Wi-Fi</p> <p>Response:</p> <p>In SRTTCFOE all computers are connected with LAN and internet using CAT6 cables. It gives internet connectivity of 16 Mbps to SRTTCFOE with star topology with 100 Mbps speed. SRTTCFOE campus having Wi-Fi facility to enjoy and to empower the student progress in terms of teaching learning process and extracurricular activities. The Computer laboratories are well equipped with all the facilities for better teaching learning process.SRTTCFOE has a very strong System Department which takes care of the updates of its IT facilities in terms of hardware and software upgradation and also it cares of installation of new wifi devices when need arises, with firewall softwares. The college uses ICT and ERP for the improvement of teaching learning process.It also increases automation in administration department for the speedy work environment.</p>	
Any additional information	View Document
Link for Additional Information	View Document

File Description	Document
<p>4.3.2 Student - Computer ratio</p> <p>Response: 1.24</p>	
Any additional information	View Document
Student - Computer ratio	View Document

<p>4.3.3 Available bandwidth of internet connection in the Institution (Lease line)</p> <p><5 MBPS</p> <p>5-20 MBPS</p> <p>20-35 MBPS</p> <p>35-50 MBPS</p>	
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Response: 20-35 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document
Additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: Yes

File Description	Document
Any additional information	View Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 100

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
213.55	378.97	477.21	400.43	133.42

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic

and support facilities - laboratory, library, sports complex, computers, classrooms etc.**Response:**

The physical facilities including Laboratories, Classrooms and Computers and so forth are made available for the students those who are admitted in the college. The laboratory expenses of the students are included in the yearly fees at the time of the admission. The college authority yearly allocates budget for the maintenance and development of the laboratories and the classrooms in terms of ICT facilities which a part of the teaching and the learning processes. The classrooms boards, ICT facilities and furniture facilities are utilized regularly by the students. The maintenance and the cleaning of the classrooms and the laboratories are taken care by third party contract experts and non-teaching staff which are available at college level. The college garden is maintained by the gardener which is appointed by the institute authority person. The college has sufficient number of the computers with internet connections and the utility software's distributed in different like laboratories, office, library multimedia center, department and faculty room etc. All the institute beneficiaries have equal opportunity to use those facilities as per the rules and the policies of the institution. The central computer laboratory connected in LAN is open for the students for whole day, the office computers which are also connected through the LAN is consisting of the all the required software making work easier and are restricted to use only by the appointed office staff. The library computers are connected with LAN and internet and also they are loaded with the library software which is required for in out accession. The departments and the staff can make use of the computer system with internet at their seating places, maintenance of all the computer related facilities are taken care by system department. The college website is developed and regularly maintained by website development committee. The maintenance of UPS and the Generator is regularly done by third party contract in supervision with estate manager and the expenditure is done from college budget. The academic and extracurricular support facilities likewise classroom, laboratory, library, sports and other platforms supporting overall development of the students like NSS, Alchera & SAE club, or Competitive examination cell etc. is open for the entire college student. A provision of the budget for the library maintenance is made by the college development authority along with management representative. The activities like keeping library clean and fumigation is done frequently by library staff. The sport facilities of the college is meritorious and some credit defiantly goes to the adequate infrastructure consisting of the Indoor Hall for table tennis ,badminton, and outdoor facilities likewise basketball court, football ground and cricket ground along with kabaddi ground which can be used by student and staff. A special budget is allocated for the maintenance of this sport facility.

File Description	Document
Any additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 20.66

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
154	196	131	74	37

File Description

Document

Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

[View Document](#)

Any additional information

[View Document](#)

upload self attested letter with the list of students sanctioned scholarships

[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 2.46

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
44	31	14	0	0

File Description

Document

Number of students benefited by scholarships and freeships besides government schemes in last 5 years

[View Document](#)

Any additional information

[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling
3. Soft skill development
4. Remedial coaching
5. Language lab
6. Bridge courses
7. Yoga and meditation
8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: A. 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of student benefitted by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 92.39

5.1.4.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
676	654	568	378	206

File Description	Document
Any additional information	View Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document

5.1.5 Average percentage of students benefitted by Vocational Education and Training (VET) during the last five years

Response: 16.23

5.1.5.1 Number of students attending VET year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
222	268	55	16	9

File Description	Document
Any additional information	View Document
Details of the students benefitted by VET	View Document

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description	Document
Any additional information	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 73.23

5.2.1.1 Number of outgoing students placed year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
79	53	1	1	1

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document
Any additional information	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 6.49

5.2.2.1 Number of outgoing students progressing to higher education

Response: 15

File Description	Document
Any additional information	View Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: NET/SLET/GATE/ GMAT/CAT, GRE/ TOFEL/ Civil Services/State government examinations)

Response: 75.67

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOFEL/Civil Services/State government examinations) year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
7	2	1	1	1

5.2.3.2 Number of students who have appeared for the exams year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
12	10	1	1	1

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document
Upload supporting data for the same	View Document
Any additional information	View Document

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) during the last five years.

Response: 243

5.3.1.1 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 wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
153	38	32	15	5

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document
e-copies of award letters and certificates	View Document
Any additional information	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

For holistic development of the Institute, efforts are made by involving students in academic and administrative bodies/committees. The Student Council exists to enhance the overall graduation experience at the institute by promoting and conducting new programs which results in multidimensional growth of students. The main objective of the student council is to cultivate and enhance organizational skills among students which will results in their personality development. Student Council acts as a link between institute administration and students which provides opportunity for student community to express their ideas about institute and to recommend suggestions as per their expectations. Every year student council of the institute organizes intra-college and inter-college sports activities, various cultural activities which includes activities for social cause like blood donation camp, annual technical festival and deputed students to coordinate these activities. The sports coordinator ensures participation of maximum students in all types of sports activities organized by the institute and outside the institute. The technical coordinator ensures the maximum participation of students in various technical events and contributes to conduct technical workshop and events in institute. Institute has SAEINDIA Collegiate club through which students can participate in various SAE activities like SAEINDIA BAJA, TIFAN etc. Institute also has a cultural club ALCHERA in which students can express their talent and can take part in cultural activities within the institute and other than institute. Student Council has a discipline committee which consists of class representatives from all branches in institute to ensure discipline in academics, co-curricular and extra-curricular activities.

Institute provides opportunity for active participation of students in various academic and administrative activities by including them in various institutional committees like curriculum development committee wherein students are allowed to express their academic requirements to be incorporated in the curricula. Their opinion about content, implementation, assessment and evaluation and result declaration is taken into account here before finalizing the curriculum. The important feature of the student council is involvement of the students in continuous assessment which is a part and mandatory requirement in the institute. This boosts the confidence amongst the students about their capacity building and brings transparency in evaluation process. Students have representation on Internal Quality Assurance Cell (IQAC) and College Development Committee (CDC) of the institute which sets the targets and benchmarks for the academic processes. Also, students have representation on departmental chapters, professional chapters, and various cells of the departments. These chapters and cells help to make the system more students centric. This approach ensures strong linkages between institute and students resulting in achievement of expected program outcomes. Student representation on Internal Complaint Committee (ICC) provides moral support to the students to raise their grievance, if any, and also brings transparency between institute and students with respect to the process adopted.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 14.6

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year wise

during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
19	19	10	16	9

File Description	Document
Number of sports and cultural activities / competitions organised per year	View Document
Any additional information	View Document
Report of the event	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

Institute is in-process of registering the Alumni Association from Assistant Charity Commissioner, Pune, with the name of "SRTTC Alumni Association". SRTTC Alumni association will be going to form in the Institution to satisfy following financial and non-financial assistance to attain social values by an individual or by a group of students associated with Alumni association.

Non-financial activities:

1. Delivering academic lectures
2. Delivering lectures on pursuing careers
3. Disseminating information on current and future trends in industries
4. Contribution to laboratory development
5. Organizing industrial visits
6. Participating in curriculum development
7. Extending help for campus interviews
8. Active role in bringing up MoUs.
9. Acting as brand ambassador of the Institute
10. Facilitating sponsored projects for students
11. Facilitating internships for students
12. Sharing experiences with students
13. Sharing information about higher studies
14. Guidance for co-curricular and extra-curricular activities
15. Participation in social welfare activities

Financial activities:

- 1.Membership of alumni association
- 2.Institutionalization of scholarships
- 3.Financial contribution towards development of academic facilities
- 4.Sponsoring the events
- 5.Sponsoring rewards
- 6.Donating in-kind, books, mementos

File Description	Document
Link for Additional Information	View Document

5.4.2 Alumni contribution during the last five years <1 Lakh 1 Lakh - 3 Lakhs 3 Lakhs - 4 Lakhs 4 Lakhs - 5 Lakhs Response: <1 Lakh	
File Description	Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years Response: 1				
5.4.3.1 Number of Alumni Association /Chapters meetings held year wise during the last five years				
2016-17	2015-16	2014-15	2013-14	2012-13
1	0	0	0	0

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	View Document
Any additional information	View Document
Report of the event	View Document

NAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

Suman Ramesh Tulsiani Charitable Trust (SRTCT) established in 1989 is well known for its charity in social and Philanthropy grounds. Since inception trust has given donations in healthcare domains such as hospitals, old age homes, orphanages in and around Maharashtra. The trust established Suman Ramesh Tulsiani Technical Campus Faculty of Engineering in 2012 at Khamshet, a village situated in rural area of Pune District. The main motto for the establishment of the SRTTC-FoE was to provide Quality Education on no gain or profit basis. SRTTC FoE is governed by a Governing Body (GB) with representation of visionary industrialists and academicians. To ensure quality of education the management has academic & administrative tie up with 'Vishwakarma Institutes (VI)', one of the premier technical institutes in the state of Maharashtra. The academic & administrative processes are audited and reviewed for continual improvement under the guidance of VI. The institute has developed a mechanism of external academic audit by Semi Annually. The management has developed ample infrastructure to cater the future growth. The management started second shift diploma program & YCMOU study center with a view to utilize the available resources to full extent so that quality education can be made available at reasonable fees to the rural society.

The management, Principal and faculty work together for implementation of quality policies and strategic plan. The GB approves the road map for achieving strategic goals and make financial provisions for necessary infrastructure and facilities in order to provide good educational environment as per need base. College Development Committee (CDC) and all mandatory committees are functioning effectively to take cognizance of all stakeholders. The management is very keen on transparent participatory approach in decision making through weekly meetings where Principal, Head of the Departments (HODs) and Deans, faculty and student representatives can have direct dialog with top management, review, discuss and decide actions on strategic issues. The top management is also keen to maintain a transparent, motivating atmosphere by listening to the individuals personally or through email.

The Principal through regular meetings with HODs, internal functional committees, faculty members, student representatives and through circulars, propagates the vision of the management and strategic decisions taken by the management, takes review of routine affairs and guide on issues for fruitful implementation of strategic plan.

The HODs coordinate, monitor and control various academic activities with the help of teachers by assigning them different portfolios apart from teaching to involve them in the process of decision making. Under the leadership of Principal and respective HOD, the teachers are also instrumental in effective implementation of memorandum of understanding (MOUs) with industries, academia & research organization to facilitate the students for research, innovation & entrepreneurship and arranging workshops, trainings, industrial visits, expert lectures. Associate Deans and functional committees involving teachers work independently for accomplishment of short term and long term goals in line with the vision mission and report to Principal directly. They decide, organize, coordinate and conduct concern activities to obtain the desired outcomes as per the strategic planning.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

The institution follows the decentralized governance to a significant extent. Regular meetings are conducted with the all staff by Principal. The suggestions and opinions of the staff members are considered. HOD's are assigned with the academic and administrative work. The departmental meetings are conducted by the HOD's with the teaching staff focusing on improving the academics, co curricular and extra curriculum activities. Various academic works are assigned to the faculty such as timetable, planning of teaching/lesson plans, preparation of course material and work dairy. These are reviewed by the concerned HOD's at the end of the month. In addition to this, faculties are involved in various decision making processes of the institute viz College Development Committee etc. All these committees meet and the major decisions taken are to remove delays and ensure total transparency in the procurement of items. Below is one of case study involving students in College functional activities. By doing so students get hands on skills set such as leadership qualities and time management which are required in all facet of life. With this aim, student's council is officially formed every year. The student's council is not only instrumental in organizing sports, cultural and technical events and competitions but also helps as one of the tools to practice decentralization and participative management to reach up to the individual student. Student's Council is facilitated by three faculty Coordinators each one for sport, technical and cultural activities (one of them act as Vice President of council) who are selected in the College Development Committee (CDC) meeting considering individual's interest and capabilities. These faculty coordinators then invite applications form students for the various posts in the council. They scrutinize the applications, conduct the interviews of aspiring students, study their background, zeal and abilities and forward the outcomes with recommendations to the principal for final approval. Principal make a dialogue with the recommended students and with due analysis approves the selections. The approval with details of faculty and students in council is published by a circular on notice board and institute website. The student council then interacts with class representatives, individual students and faculty members and prepares planning of various students activities in correlation with academic activities. They also prepare the annual financial budget and forward it to the principal for CDC recommendation. Based on the recommendation of CDC, the Governing Body (GB) approves the budget. Once the budget is sanctioned, the council members themselves organize, coordinate and conduct various activities with the help of student volunteers. In big events, committees of faculty members are also formed to facilitate whenever asked for by the council members. All the accounting of expenditures is done by the council members at their end. The accounts statements of student activities are produced for approval of management which are sanctioned after due verification with the help of account's department

Following events were successfully organized and participated by the council:

- Ranasangram – Organized intercollegiate sports event
- Tantra Enigma- Organized intercollegiate technical event
- Sneh-Suman- Annual Social Gathering

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

The organization shall follows the following strategic plan

The aim of any technical institute is to produce skilled, globally competent professionals through quality technical education and to prepare them for direct employment. To produce capable graduates ready for the industry, it is necessary to know the requirements of the industries through industry-institute interaction. Hence, a good and vibrant industry institute interaction to promote education and entrepreneurship is absolutely required. With this motive in the strategic planning, formation of Industry Institute Interaction (III) cell and related strategies were planned. Accordingly the III cell was established on 21st March 2017. The cell is instrumental in enhancing the quality of education by arranging vocational trainings, guest lectures, industry sponsored projects, industrial visits, faculty trainings through industry institute interaction.

To build good rapport between the industry and the institute, institute should have best industry-academia practices to bring up gap between basic knowledge to current research problem. Through which teaching-learning processes are enriched by integrating industrial training to the students.

Industry Advisory Board (IABs) are formed for all programs to promote industry experts to participate in curriculum design which plays a significant role in preparing the students ready for the industry. Total 63 representatives from various leading industries are nominated on the IABs. Meeting of IAB members with faculties and students are organized to facilitate the interaction between them and thereby sharing knowledge, expectations, experiences and views. Guest lecturers of IAB members are organized for students to acquaint them about new technologies used in field.

With the help of IAB and III cell, students are encouraged to undertake the final year projects either in the industry or associated with the industries. To promote budding entrepreneurs, the institute has framed a Memorandum of Understanding (MOU) RacksonIT, Jaysinghpurto in motive to establish incubation centre at SRTTC-FoE.

To promote research & innovation among students, one day awareness program on “Intellectual Property Rights, (IPR)” was conducted for faculty and student which have remarkable impact. Nine students came forward with innovative ideas. MOU was signed with an IPR attorney firm. Five students of SRTTC-FoE successfully filled two patents so far and more such patents are in progress.

To inculcate the sense of social responsibility in staff and students, two MOUs are also signed with NGOs so that faculties and students can participate in the various social projects.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document
Strategic Plan and deployment documents on the website	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

SRTTC-FoE has well organized structure. The academies and administration of the institute is managed by following bodies.

1. Board of Governance: It is the apex body of SRTTC-FoE. All the strategic and policy decisions are discussed and approved in board of governance meeting. It has representation of management, government representatives, industry, academicians and faculty.
2. College Development Committee: The institute has college development committee constituted according to Maharashtra Public Universities Act, 2016. It has representation of the management, faculty and nonteaching faculty.
3. The Principal of college acts as head of both the academic as well as the administrative sections and overall in charge of the college.
4. Vice Principal of college acts as head of administrative sections.
5. Associate Deans: Associate deans have been appointed to assist the Principal in effective functioning of the institute in important domains such as academics, quality assurance, research & development and student development.
6. Head of Departments: HOD's have been appointed for each academic department. They assist Principal in effective functioning of respective academic department.
7. Quality Coordinate ISO: Separate coordinator has been appointed to coordinate the activities related to ISO.
8. Training and Placement Officer: Separate TPO has been appointed to initiate and coordinate the industrial interactions related with training and placement activities.
9. Diploma Coordinator: Separate coordinator has been appointed to coordinate the activities of AICTE approved post SSC diploma program run in second shift.
10. Various statutory committees such as Internal Complaint Committee, Anti ragging committee and

squad, SC/ST cell and Grievance Redressal cell i.e. Internal Compliance Committee have been formed with appropriate participation as per norms.

11. Some functional committees such as examination, library and time tables have been formed to facilitate smooth functioning of the related activities at central level.
12. Various academic and administrative support sections such as admissions, accounts, systems, library, workshop, IQAC, professional bodies, National Social Services (NSS), Entrepreneur Development cell, Alumni committee, student council have been formed to support, monitor and facilitate the academics, administrative and student development activities. These committees and cells have appropriate participation of teaching staff, non teaching staff and students. This makes the administration more participative and transparent. Thus the organizational structure clearly reflects the policy of decentralization of authority.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2.3 Implementation of e-governance in areas of operation: 1.Planning and Development 2. Administration 3. Finance and Accounts 4. Student Admission and Support 5.Examination

A. All 5 of the above

B. Any 4 of the above

C. Any 3 of the above

D. Any 2 of the above

Response: A. All 5 of the above

File Description	Document
Details of implementation of e-governance in areas of operation Planning and Development, Administration etc	View Document
Any additional information	View Document
Screen shots of user interfaces	View Document
ERP Document	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

Various statutory committees are in place and effectively working. The management believes in participative management such that decentralization of authority and responsibilities can be observed in all functional areas. Hence various functional committees are also formed so that personnel at various levels are involved in decision making process. The committees have their structure, vision, objectives well defined and approved. There activities are also chalked out in order to eliminate any ambiguity and to facilitate fruitful functioning. They have their mechanisms to gather the inputs, conduct meetings for brainstorming to find out solutions, recommending actions and implementation after approval. For example, library committee is in place and effectively working for enhancing the learning resources to impart quality technical education to students.

Generally minimum one meeting at start of each semester is conducted but more meetings can be called if required. Librarian prepares agenda and sends notice of meeting. The topics on agenda are based on instructions/suggestions received from Principal, Head of the Departments (HODs), faculty members and students. Suggestions from students are collected through suggestion box provided in library. Students can also give their suggestions to class teachers or faculty members. After conduct of meetings the minutes are sent to Principal for approval. The approved actions are implemented. In case of purchase of books the requirements are collected from students, faculty members. The list is approved and submitted by HOD. Quotations are called by librarian from approved vendors and comparative statements are prepared and forwarded to Principal. Principal recommend it to Management. Once management approval is obtained, librarian completes the procedure of procurement. In the meeting of library committee held on 28th December 2016, one of the resolutions was the implementation of book bank scheme. It was decided that respective HODs will recommend name of five students from each class for book bank scheme – two students under TFWS and rest three students topper in the class. In this scheme the recommended student can take home five books for entire semester free of cost. The scheme was implemented from second semester of academic year 2016-17. In second semester of academic year 2016-17 total 34 diploma students and 89 degree students received five books each through this scheme. In first semester of academic year 2017-18 total 34 Diploma students and 73 Degree students received five books each through this scheme. The scheme is well appreciated by the students.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

To any institute growth the working staff is pillars for its proper functioning for which our college empowers its faculties through various strategic benefits. Annually all staff can avail casual, Medical, Earned Leaves as per policy laid by the institute's management. Also Maternity leaves for young mothers

on request. Vacation Leaves are also provided for all staff semi annually after completion of academics. To secure staff financially the institute has Employee Provident Fund (EPF) and Gratuity scheme for all sheltered in this institute. The institute also has Group Term Life Insurance for all staff. To encourage research and innovations in the institute, Research Leaves are granted for those who are perusing doctoral programs. For active participation in academic practices all staff are deputed for workshops, Seminars & Conferences on demand. As the topography of the institute is remote transportation & canteen facilities are provided at subsidized rates. Various Training programs are organized at institute for staff welfare.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 17.96

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
16	4	19	6	1

File Description	Document
Any additional information	View Document
Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 6.4

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
13	8	5	3	3

File Description	Document
Any additional information	View Document
Reports of Academic Staff College or similar centers	View Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers attending professional development programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programme during the last five years

Response: 64.37

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
60	41	35	19	7

File Description	Document
IQAC report summary	View Document
Details of teachers attending professional development programs during the last five years	View Document
Any additional information	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

Annual Increments are provided to all staff based on their performance and support in institution Progress. All staff's have to pen down their efforts shown for the institute growth in a prescribed form. This form consists of following parameters like Feedback from the students, knowledge up gradation through Faculty Development Programs, Short Term Training Programs, Industrial training, Conferences, workshops etc. Also Consultancy activities or externally funded research projects and University Semester Results of subjects taught and Books Published are accounted in the Increment schemes. Academic and departmental administration contribution like extra-curricular and co-curricular activities or Specific duties / tasks

assigned by Head of Departments is added in the format. Research contribution in terms of projects, publications and Patents are considered a part of appraisal. Later the Head of the department jots down his remarks towards the concerned the staff. Lastly the Principal/Head of the Institute marks the recommendations for the staff. All the parameters discussed above are reviewed, and specific suggestions are communicated to individuals. Based on the reviews, decisions regarding continuation of the services, regular increments and promotions are taken and communicated accordingly. Strengths and weaknesses are identified through various information sources. Accordingly suggestions are given to concern staff for the further improvement. Appraisal of non-teaching staff is done on yearly basis based upon their overall performance and necessary actions are initiated.

File Description	Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Internal and External Audits are regularly carried out in our Institute. Internal Audit consists of checking of day to day transactions & all vouchers. In case of any discrepancy, it is immediately sorted out with proper information to management. These are done on monthly basis & by senior Accounts officer.

External Audit is carried out on six monthly basis & by Certified Auditors. They check all Financial Matters & Verify account transactions. They discuss all issues with our management & submit Audit report as per the guidelines of office of charity commissions & Income tax act.

File Description	Document
Any additional information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropers during the last five years (not covered in Criterion III)

Response: 0

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropers year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

Source of income is fees collected from students, fees received from Social Welfare Department through scholarship and free ship, consultancy, grants received from Savitribai Phule Pune University under Student Welfare Scheme.

SRTTC, Pune prepares budget before 31st March of each year. This budget is presented before the Governing Body of trust. After getting approval of the Council, duly signed copy of Budget is handed over to the Accounts Section for utilization of funds.

Expenditure is done on salary of teaching and supporting staff, purchase of equipment, machinery and furniture, library books, e-subscriptions, electricity charges, group gratuity premium, consumables, software, Gymkhana-cultural, annual social gathering activities, telephone, internet bills, annual maintenance contract, repair and maintenance, faculty development programs, advertisement, affiliation and approval fees, printing & stationary, sanitation-housekeeping-gardening and security charges, educational tours, project expenses, postage and courier, uniform to supporting staff members and other miscellaneous expenses.

Efforts are made so as make regular payment of salaries of teaching and supporting staff. Efforts are made to match expenditure with income sources during the financial year. However deficit if any, is borne by the Parent Trust. Regular monitoring of funds available with institute is done. Preference is given to procure new equipment for each department as per revised syllabus. Infrastructure requirements for improved teaching-learning process have given the first preference.

File Description	Document
Any additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

Internal Quality Assurance Cell (IQAC) established on 8th July, 2017 in SRTTC FoE, plays vital role in enhancing Industry-Institute Interaction, promoting faculty for research work.

Various initiatives are taken under the label of IQAC for effective planning and implementation of quality assurance strategies and processes. Some of the initiatives taken by IQAC are as follows -

Industry Interaction –

For bridging a gap between Industry and academia, IQAC has contributed significantly in improving relations with the industries by forming Industry Advisory Board (IAB) for Mechanical, Civil and Computer Engineering Departments. Activities like IAB meeting, student's interaction with Industrial experts, Industrial Expert lectures, Industrial Visits, Patent Filing, workshops, signing of MoU's and training programs by industry experts are geared by IAB. Also suggestions are requested on curriculum and standard processes from the members of IAB for establishing standard strategies to assure the quality benchmark.

Promotion for Research –

Enhancement in research activities like awareness about research publication agencies and funding agencies for research proposals, effective research paper writing methodologies, seminars on research methodology, etc. are carried out in correlation with IQAC.

As a result of the efforts taken by IQAC, five students of SRTTC FoE have successfully filled two patents dated on 5th October, 2015 at the Indian Patent Office. Also two funding research proposals submitted by the faculties of Civil Engineering Department are accepted and approved by the industries dated on 15th November, 2017 and 29th September, 2017. In addition to this, four research proposals are submitted to BCUD section of Savitribai Phule Pune University.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms**Response:**

For effective curriculum delivery to the students, it is necessary to review teaching learning processes, structures & methodologies of operations and learning outcomes at periodic intervals. IQAC is consisting of Head of Institute (HOI), Management personnel, Administrative Officers, Teachers, Nominee from local society and other stakeholders. So it is possible to review every process in detail for its effective implementation. Some of the reforms initiated through IQAC are as follows:

1. Teaching Learning Processes –

IQAC has taken various initiatives for improving teaching learning processes like course file content modifications, course file checking, Emphasis on use of digital techniques, periodic verification of academic activities like verification of teaching implementation sheets and verification of lectures and practical's as per timetables, etc.

2. Structures & Methodologies of Operations and learning outcomes –

Structure & methodologies of various operations are observed and checked by IQAC like displaying notices on notice boards, proper documentation of portfolio allotted, laboratory checking, etc. Also learning outcomes achievement is observed and checked by observing strategies used for tests execution & result analysis.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 0.6

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	1	0	0	0

File Description	Document
Any additional information	View Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
- 2.Academic Administrative Audit (AAA) and initiation of follow up action**

3.Participation in NIRF**4.ISO Certification****5.NBA or any other quality audit****A. Any 4 of the above****B. Any 3 of the above****C. Any 2 of the above****D. Any 1 of the above****Response:** B. Any 3 of the above

File Description	Document
Any additional information	View Document
Details of Quality assurance initiatives of the institution	View Document
e-copies of the accreditations and certifications	View Document
Annual reports of institution	View Document

6.5.5 Incremental improvements made during the preceding five years (in case of first cycle) Post accreditation quality initiatives (second and subsequent cycles)**Response:**

Continual Improvement is very important thing in establishing good quality education system. Henceforth incremental improvements are carried out effectively by the faculties of SRTTC FoE. Some of the qualitative incremental improvements are mentioned below:

1. Students Performance Assessment:

Traditional marking scheme was used in 2012 Course curriculum and then Credit Scheme was implemented meanwhile in 2015 course as a positive incremental improvement.

In the organization, traditional techniques (written examinations) were used in earlier days for conducting examinations and then after online exams and many internal exams were conducted with modified software like myexamo.

2. Academic Monitoring:

SRTTC FoE is a sister institute of Vishwakarma Institutes, hence committee from vishwakarma institutes will take a review of academics. In addition to this committee ISO committee is coming there to review the academics from academic year 2015-16 as it is one of the ISO certified institute.

3. Sports Activity:

Intra-collegiate sports activities were getting conducted in the organization in earlier days, but now inter-collegiate and zonal sports activities are getting conducted along with intra-collegiate sports activities from academic year 2015-16.

4. Documentation Process:

Enterprise Resource Planning (ERP) software is used as a replacement for traditional documented process, which is efficient and more reliable solution.

5. Student Support Activity:

Along with class-teacher, Guardian Faculty Member (GFM), project guides and seminar guide, mentor-mentee scheme is effectively implemented from academic year 2016-17.

6. Book Circulation in Library:

Regular identity cards are replaced by identity cards with barcode as an advanced tool for improving book transaction effectively. Also book bank facility is provided to the students.

7. Accounts:

Cash/offline transactions are replaced by online transactions to make transactions more easy and reliable along with proper documentation record. It started helping students as an easy and safe online fee payment facility.

File Description	Document
Any additional information	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 19

7.1.1.1 Number of gender equity promotion programs organized by the institution year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
08	05	02	01	03

File Description	Document
Report of the event	View Document
Any additional information	View Document
List of gender equity promotion programs organized by the institution	View Document

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security
2. Counselling
3. Common Room

Response:

The institute is committed to provide healthy and secure atmosphere for students, faculties and staff. The institute has security department from inception which consist of gents as well ladies security guards to provide safety and security in campus. They ensure their duties by patrolling, insisting on traffic and parking rules, checking I-card of students/visitors, inspecting suspicious actions, investigating safety related issues and responding in emergency situation. Institute is supervised by CCTV cameras for 24X7 including main gate, corridors, examination section, and entries of all buildings, canteen, and library. All the buildings of the institute are equipped with fire fighting instruments and maintained on regular basis. The Anti Ragging Cell, Internal Complaint Committee (ICC) and Women Grievance Cell (WGC) exist in institute to solve students' grievances. The Institute had organized one day workshop for all women employees and students to discuss redressal and enquiry procedure, prevention of sexual harassment.

Institute has effective Mentor-Mentee Scheme (MMS) to provide academic, co-curricular and extra-curricular counseling to students on regular interval. The main objective of above activity is to identify

weakness/strength of students and provide them counseling accordingly for their progress. The institute has appointed Associate Dean (Student development) with sole objective to focus on students' supports and progression.

Considering non-discrimination policy and commitment to gender equity, institute is having separate boys and girls common room. In girls common room all the necessary facilities such as washroom, cupboard, sanitary disposal machine, and vending machine are available. Similarly boy's common room is equipped with requisite facilities.

File Description	Document
Any additional information	View Document

7.1.3 Alternate Energy initiatives such as:

1. Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 0

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

7.1.3.2 Total annual power requirement (in KWH)

Response: 52775

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document
Any additional information	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 8.44

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 1522.8

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 18036

File Description	Document
Any additional information	View Document
Details of lighting power requirements met through LED bulbs	View Document

7.1.5 Waste Management steps including:

- Solid waste management
- Liquid waste management
- E-waste management

Response:

We believe in promoting efforts to reduce generation of waste at SRTTC campus. All the academic buildings, class rooms, laboratories and porches are cleaned by our housekeeping staff on daily basis to maintain campus neat & clean. Waste bins are placed at various locations of campus to collect waste and in every evening and disposed by housekeeping staff. All waste water lines from bathrooms, toilets, laboratories of campus are connected to the main drainage lines. The biodegradable waste generated in campus such as canteen waste, leaves and wet waste collected in bins is centrally collected and dumped in compost pits located in campus and used as fertilizer in garden. This helps to create awareness on waste management among students. Defectives and obsolete electronic components are collected by the officials of system department and classified according to reuse, resale, salvage, recycling, or disposal. A non-repairable /out dated E waste generated during a period 2012 to 2017 has been identified and recommended for disposal through recycling agencies near Maval Region and some of these are used while constructing internal roads of our Institute.

File Description	Document
Any additional information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

A Rain Water Harvesting structure has been developed in our campus with a motto of conserving water and to avoid a future water scarcity. The storage tank is located near to E building, in front of environmental engineering lab which collects water from roof top area of about 600 m².

1) Total campus area= 85115 m².

2) Total building area- a) Built up area= 16300 m²

b) Roof top area for RWH = 600 m²,

3) Total RWH capacity=165000 lit.

4) Total water requirement of institute (Standard) =30000lit./day,

5) Use of RWH = flushing

File Description	Document
Any additional information	View Document

7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

The institute is located with greenery in and around the campus. The institution is environmentally conscious and creates awareness among student. Some of our students from nearby Maval villages use cycle for transportation to college. Since inception the college provides transport facility i.e. college buses for faculty and students coming from faraway locations. Students and staff also travel by using local railway thereby contributing to lessen the pollution. It has greatly reduced the usage of private vehicles and lowered the carbon footprint of our campus. The institute has pedestrian friendly road which provide pleasant walking environment in campus. The institute has formed a Green Audit Team and has been carrying out the green audit. Our Green Campus is lush green plastic-free campus. Initiatives were taken to educate our students and nearby villagers regarding use of plastic and its ill effects. The adaptation of ERP software in institute to perform academic, financial and administrative activities helped to phase out use of paper.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 3.82

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year

wise during the last five years(INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
12.80478	12.83	16.79939	3.90697	6.95

File Description	Document
Green audit report	View Document
Any additional information	View Document
Details of expenditure on green initiatives and waste management during the last five years	View Document

7.1.9 Differently abled (Divyangjan) Friendlines Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: C. At least 4 of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 26

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
7	6	5	4	4

File Description	Document
Any additional information	View Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)**Response: 14**

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
6	2	4	1	1

File Description	Document
Report of the event	View Document
Any additional information	View Document
Details of initiatives taken to engage with local community during the last five years	View Document

7.1.12**Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff****Response: Yes**

File Description	Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Any additional information	View Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

File Description	Document
Any additional information	View Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

File Description	Document
Any additional information	View Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 23

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
6	5	5	3	4

File Description	Document
Any additional information	View Document
List of activities conducted for promotion of universal values	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

The institution thoroughly follows and practices all prominent national and state functions. The institution celebrates all religion functions and encourages the students and faculty to showcase the same. Republic Day, Independence Day, Ganesh Festival, Guru Purnima, Nstional Unity day, youth day, Shivaji Jayanti ,Teacher's Day, Engineers Day, Foundation Day , to name a few. National festivals are celebrated to honor the great leaders and respect to their work, devotion, sacrifice of national importance. These festivals creates an atmosphere of patriotism, integrity in the mind of citizens of India

File Description	Document
Any additional information	View Document

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions**Response:**

The institute has well defined and authorized organizational chart to streamline the operation, strengthen decision making process and ensure transparency in the financial, academic and administrative functions. For every academic year, the head of departments prepare the departmental budget requirement including requirement of faculty and staff, research & development expenses, lab consumables, repairs and maintenances & event expense. College Development Committee (CDC) and Governing Council discusses the budget and sanctioned for individual department.

For the conduction of Savitribai Phule Pune University (SPPU) exams (Insem, Endsem and online examinations) College Examination Officer (CEO) is appointed as per SPPU norms. SPPU exams are conducted by CEO with the help of Internal Senior Supervisor (ISS), Assistant to ISS, Asst. CEO and Jr. Supervisors under the guidance of Head of Institute. External monitoring of SPPU exams is done by External senior supervisor appointed by SPPU. TW/OR/practical exams are conducted entirely as per SPPU norms SPPU provides all question papers, all necessary writing materials to conduct examination

The information of all the UG programmes is available on official Institute website (<http://www.srttc.ac.in/>). The institute follows the Centralized Admission Process (CAP) as per the Guidelines given by the Directorate of Technical Education (DTE), Maharashtra State. Institute follows reservation policies as per the guidelines of the Government of Maharashtra.

File Description	Document
Any additional information	View Document

7.2 Best Practices**7.2.1 Describe at least two institutional best practices (as per NAAC Format)****Response:**

Title of the Practice: Paperless Administrative and Academic Governance with Enterprise Resource Planning (ERP).

Objective of the Practice: To streamline academic and administrative processes. To improve functionality and operating efficiency, implement green practice with lesser paper work.

The context: It is necessary to have ERP software for the cohesive management of core academic as well

as non-Academic processes. ERP obligate various tasks like attendance management, student database management, staff database management, syllabus management, faculty feedback and students-institute feedback.

The Practices: Establishment Section can add complete details of staff, create/delete staff id and create username and password to access ERP & Maintain attendance record of each staff. **Student Section can** add entries of new admitted students; create his/her GRN (General Registration Number) for unique identification. It Issues bona fide certificate, document collected receipt to student on his/her personal request. **Faculty Section and HoD Section:** add academic details like student attendance, lecture plan, syllabus. It has provision of lecture plan and syllabus approval. **Account Section can** manage data relevant to student's fees like development fees, exam fees, tuition fees etc. Provide feature of receipt generation. Payroll management of faculties, non-teaching faculties are supervised by account section.

Evidence of Success: ERP increases the efficiency of human resources with accuracy and helps to develop an institute in all aspects. Use of ERP reduces most of the paper work so that it's very eco friendly.

Problem Encountered and Resources Required: Browser compatibility causes shifting for static member of web pages.

Title of the Practice: Add on Training Program (TP) for employability and skill development of students.

Objective of the Practice: To enhance employability skill of students. To facilitate students get certification from renowned organization. To bridge the gap between theory and its applications by making students industry ready. Provide awareness of actual industry practices and necessary skills. Make students ready for entrepreneurship opportunities.

The context: It is necessary to have a sound knowledge of theory as well its application in industry. However engineering graduates are lacking in application of this theory. It is therefore essential to lessen this gap by implementation of hands on training program.

The Practice: Hands on training and internship opportunities are provided to students to educate and fulfill recent industry needs. Training programs are conducted by experts or practicing professionals of industry. The process of any training program is carried out as identification of current and upcoming trends of industries, Syllabus designing, Identification of experts as per designed syllabus & Planning and implementation.

Evidence of Success: After successful completion of training, students are awarded with certificates. Memorandums of Understanding (MoUs) are signed for internships, sponsorship and industry interaction. Training helps students to understand for emerging trends and vastness of the respective fields. Students become aware about specific requirement of skill set for a job profile. It was being observed that students have actively participated and shown better performance through the acquired skills at different platforms.

Problem Encountered and Resources Required: Time constraints of the students

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

The institute is equipped with all modern facilities to groom students into dynamic and result oriented technocrats for embracing opportunities globally. SRTTC is working under Academic collaboration with reputed engineering Vishwakarma Institutes (VI) of Pune, Maharashtra. The institute is striving for students' development through providing scope, opportunities, facilities and practice to accomplish institute's vision, mission and thrust. Along with regular curriculum our students are encouraged and benefited with internship program, sponsored projects, participation in SAE BAJA, TIFAN, SUPRA BAJA, Go-kart, on field visits, expert speaker sessions, sports activities and social activity. Institute is surrounded by eco-friendly, pollution free, noiseless, pleasant environment which provide healthy environment for learning. With research oriented mind, our students have successfully filled patents. A Mini project competition, seminar competition, technical events enable students to understand sprit of teamwork, technical and life skills. The institute conducts value added courses like soft skills, skill development activity to enhance employability skills. Skill development facilitates for understanding the importance of speaking skills, listening skills, presentation skills, leadership skills, etc. Institute also provides add on training programs such as ADAMS, STADPRO, JAVA in collaboration with industries to bridge the gap between theory and its applications by making students industry ready. These courses are

conducted in SRTTC campus, off- campus or in online mode Institute has various professional chapters like NPTEL (National Programme on Technology Enhanced Learning), ISTE (Indian Society for Technical Education), SAE, QCFI (Quality Circle Forum of India), NSS (National Service Scheme), CESA (Civil Engineering Student's Association), SOCE (Society of Computer Engineers) to provide global platform for students and faculties to participate and enrich the knowledge. FDP (Faculty development program) were arranged for faculties and staff intended to provide and enhance skill of the faculty. Institute has signed Memorandum of Understanding (MoU) with industries/organization to enrich technical education, learning process, advance knowledge, latest trends for students.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5. CONCLUSION

Additional Information :

Suman Ramesh Tulsiani Technical Campus Faculty of Engineering Khamshet is committed for excellence in quality technical education through quality assurance initiatives. All necessary reforms in the institute are taking place by keeping students at a focal point by following student centric approach.

Concluding Remarks :

Suman Ramesh Tulsiani Technical Campus Faculty of Engineering Khamshet is taking lot of measures for continuous improvement and self learning initiatives amongst the entire student community on the campus. Our faculty and staff are committed for making our students ready for employment and entrepreneurship opportunities which will lead to significant contribution in Nation building.

NAAC