



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

**SIR VISVESVARAYA INSTITUTE OF TECHNOLOGY,  
CHINHOLI, NASHIK**

**PRAVARA TECHNICAL EDUCATION CAMPUS, NASHIK PUNE HIGHWAY, A/P  
CHINCHOLI, TAL. SINNAR**

**422102**

**[www.svitnashik.in](http://www.svitnashik.in)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

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# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

The Pravara Rural Education Society was established in 1964 by Padmashri Dr. Vitthalrao Vikhe Patil, a great visionary, philanthropist & pioneer in cooperative sugar factory movement in India. The society was established with twin objectives of providing high class education system comparable to the best in any urban area and to give boost to the rural youth to play dominant role in the nation building. Over the past few decades, the education society has set up quality education ranging from KG to PG programs in the rural India under the banner of “PRAVARA Group”.

Sir Visvesvaraya Institute of Technology (SVIT) Nashik is established in 1998 approved by All India Council for Technical Education, New Delhi, Government of Maharashtra and affiliated to Savitribai Phule Pune University, Pune which is one of the top ranked universities of the country.

This institute is located on the Nashik-Pune highway, 12 Km from Nashik road railway station, 70 Km from Shirdi of Sai Baba and 40Km from Nashik Airport. The campus is spread over a beautiful, lush green area enriched by picturesque hills.

Since inception, SVIT is promoting excellence in education with the help of highly qualified faculty members and modern infrastructure facilities like ICT tools, e-library and well equipped laboratories, boys and girls hostel, indoor stadium, transportation facilities, cafeteria, Gym, Wi-fi campus and North Maharashtra's first institute producing solar energy of 100KW. Institute has spacious smart class rooms, well designed seminar halls, auditorium, latest state-of-the-art instruments, fully secure campus under CCTV surveillance and security system

### **Vision**

To provide quality technical education in rural area to create competent human resources.

### **Mission**

Committed to produce competent engineers to cater the needs of society by imparting skill based education through effective teaching learning process.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### **Institutional Strength**

- Over and above 100 acres lush green technical campus.
- Well qualified and dedicated faculties.
- Well equipped laboratories with sophisticated equipments.
- Ultra modern classrooms with ICT tools.

- Situated near industrial area.
- MOU with reputed industries and institutes.
- Excellent results with university toppers.
- Excellent placements in reputed industries
- The institute has well-furnished hostels for boys(250) and Girls (350).
- Transport facility for students and staff
- Internet facility with Wi-Fi campus.
- Uninterrupted 24 hours electricity with power generator back up.
- North Maharashtra's first institute producing solar energy of 100KW
- Mentoring of students
- NSS, Earn and learn schemes

### **Institutional Weakness**

- Students are from rural sector with poor communication.
- Industries are not showing interest to come for campus recruitment.
- Poor research culture and consultancy.
- Due to situated in rural area faculty retention is difficult.

### **Institutional Opportunity**

- Improve the quality of students.
- Inspire alumni to create job opportunity for students
- Scope for expansion in infrastructure
- Scope for to start new courses & research centre.
- Expand and improve the effectiveness of branding of college

### **Institutional Challenge**

- To make industry ready students
- To Increase number of meritorious students.
- To retain senior and qualified staff.
- Create good ambience for faculty and staff.
- Updating with current technology
- To increase research funding

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

Sir Visvesvaraya Institute of Technology (SVIT) is approved by government of Maharashtra (DTE) and AICTE New Delhi and affiliated to Savitribai Phule Pune University (SPPU) Pune since 1998. The curriculum is designed by the senior faculty of various institutions and compiled by board of studies and approved by academic and management council of University. In the design of curriculum the CO's, PO's, PSO's and its

mapping is done in all disciplines. Each department focuses on skill development, entrepreneurship, projects, competitions, invited lectures to take care of curriculum gaps.

Based on university guidelines, institute directs the departments to prepare detail academic calendar to cover curricular, co-curricular and extracurricular activities. Departments prepares academic book, conducts parent teacher interaction meetings, industrial visits etc. Planning and monitoring of all activities is done at different levels like class teachers, mentors, academic coordinators, HODs, Dean, IQAC coordinator and principal with proper documentation.

Being an affiliated institute, it is bound to follow the curriculum designed by the university. However, the institute has academic flexibility for implementing the choice based courses at final year. Over and above, each department organizes industrial visits, technical events, workshops, internships, mini projects etc. to enrich the students as industry ready product. Enrichment programs such as classes on yoga, environment and lectures on moral, social and ethical issues are conducted for holistic development of students.

The inputs from various stake holders such as students, alumni, parents and employers are periodically taken, analyzed and implemented for overall growth of students.

### **Teaching-learning and Evaluation**

The enrollment of students is based on merit in common entrance test (CET) conducted by admission regulating authority (ARA) of state Government and All India Engineering Entrance Examination (AIEEE) conducted by central Government of India. The transparency in the admission process is strictly followed as per the norms of concern authority. The management attracts by providing concessions to the meritorious and economically backward students.

All teachers in the institute take efforts to learn not only from books but utilize ICT resources to improve their learning skills while preparing the course materials. Efforts are taken to identify slow and advanced learners by initial assessment of their learning levels and initiatives are taken by the teachers to provide a variety of learning skills. The institution has proficient, devoted and experienced faculty members from diverse backgrounds. Based on student's feedback, institute initiates to upgrade teachers skills by organizing and attending seminars, conferences and workshops regularly on cutting edge technologies.

Continuous Internal Evaluation (CIE) of assignments, unit test and in-semester and preliminary examinations are done regularly to achieve academic excellence of all the students. The mechanism of internal assessment is transparent and robust covering all the learning domains. The quality of the question papers are ensured with CO's and verified by HOD and dean academic. Based on the students performance extra measures like remedial and make-up classes, mentoring and counseling are conducted for the below average students to perform better. The attainment of learning outcomes of students is evaluated by internal and external assessment.

### **Research, Innovations and Extension**

Institute has well designed research policy document for the benefit of teachers for promoting the research culture in the institute. The institute has Research and Development Cell and upgraded laboratories to promote the research culture among faculty and students. The institute provides facilities like infrastructure, financial

and human resources. The final year students of UG and PG are made mandatory to undergo their research projects in their respective departments. The faculties are encouraged to take up the research activities by providing incentives and special leave for presenting their work at national and international conferences.

The institution conducts technical competition to bring out the innovative culture among the students. The institution conducts workshop, seminars for start-ups, Intellectual Property Right (IPR), project competitions. The institute has regularly conducting PMKVY innovative courses. Institute has submitted the proposal for incubation center to government of Maharashtra by collaborating with industry and academia.

Faculties have published the research papers in the national and international journals and conferences as per the code of ethics for publication. The institute follows the tradition of parent organization by organizing the various extension activities in the neighborhood community of villages in sensitizing the students to social like Blood donation camp, Tree plantations, Swatch Bharat Abhiyan, Aids awareness, Road safety programs, Save water and electricity awareness outreach programs etc. The institute has linkages with the various industries to promote the students for projects, internship/training, research and field trips. Institute has signed over 50 MOU's with the industries and conducted research activities.

### **Infrastructure and Learning Resources**

Our campus is spread over 100 acres with lush green, noise free environment with solar energy operated campus well connected by air, rail and road. Initially institute started with engineering streams Chemical (30), Electrical (40) and Mechanical (30). The infrastructure is increased more than adequate to accommodate engineering streams Computer, Electronics and Telecommunication, Master of Business Administration (MBA), Information Technology and PG in Mechanical (Design engineering), Computer engineering and Electronics and Telecommunication Engineering (VLSI and Embedded System).

Institute has well infrastructural facilities such as class rooms, laboratories and tutorials, seminar halls with ICT facilities to accommodate the needs of all departments. Well furnished offices like admission and scholarship, Account and Establishment section, T& P cell, bank counter, transportation facilities, boy's and girl's hostel, play ground, Capet area, store etc. are provided for effective administration. The institute provided good ambience for the students to organize and participate curricular and extracurricular facilities.

Yearly budget provisions have been made for maintenance and up-gradation of physical facilities on continuous basis. As learning resources apart from departmental library, central library with more than adequate books, journals and other learning materials like project reports, books for the competitive examinations, question papers etc. As a digital library e-journal, e-books, NPTEL video lectures, SWAYAM PRABHA (MHRD) and Jaykar library of SPPU membership are made available to maintain the quality education.

Entire campus is provided with Wi-Fi, LAN, Intercom facilities. The sufficient resources are allocated to up-keep and maintain the infrastructure and to optimum use of the same.

### **Student Support and Progression**

The institute provides the continuous support to the student, such as mentoring, Student Council, Students Grievances cell, NSS, placement and welfare cell etc. Index of learning style questionnaires are used to identify the fast and slow learners, accordingly steps are taken for their improvement.

The institute offers the internship, placement and guidance for higher studies through the training and placement cell. Based on performance, remedial, make-up and special classes are arranged for the improvements. The performances further improved by good practices adopted by the departments are regular academic audit, mentoring, student and parent feedback.

Regular aptitude, training, internships, vocational, groups discussion, foreign language learning, personality development, national and international level competitive examinations etc. are implemented for the employment and higher education of the students.

The each department has their departmental association and their professional bodies through which students organizes technical quiz, technical paper context, project exhibitions, robotics, other technical events for learning the team work and organizing skills. Orientation, induction and NSS programs are conducted regularly for the students for inculcating the social responsibilities and to become a good human being. Sport, cultural, blood donation, tree plantation, road safety, save electricity save water, helping to orphanage people, clean and green environment, Swaccha Bharat Abhiyan etc are organized for holistic development.

The regular Alumni meets are conducted for the support and mobilization of resources to present students. Periodically alumni interact with management and students. Alumni shares their experience, delivers the expert talks and support for the employment.

### **Governance, Leadership and Management**

The Pravara Rural Education Society (PRES) aimed to provide high class education system comparable to best in any urban area and to give a fillip to empowerment of women through need based education. Well defined transparent, effective leadership is provided for planning and implementation both the academic and administrative activities towards the fulfillment of the vision of the institution.

Various committees at the departmental level are time table, academic, laboratory, mentoring, exam, alumni, industrial visit, placement, project, professional activities to bring out the transparency in implementation for academic and administrative aspects for overall quality of the department.

The various administrative and academic committees towards the development and maintain the overall quality are Governing body, Governing council, local management committee, IQAC, Disciplinary committee, R & D, Training and placement cell, women's grievance, Anti ragging, Alumni, NSS, Students welfare committee, cultural, sport committee etc.

The institution recruits highly qualified faculty. Institute encourages faculty for research, innovation, up-gradation of their knowledge, higher studies by providing incentives, travel grant and as well as duty leaves. To bring out the professional competence, faculties are member of professional bodies through which they can participate seminars, conferences, workshops to achieve the professional skills. Through IQAC various feedback mechanisms from stake holders and annual performance appraisal leads to improve the quality in teaching learning and administrative skills.

Based on the departmental requirements, budgetary provisions and sanctions are made and checked its optimum utilization. Regular internal and external audits are carried out at the institutional level.

## **Institutional Values and Best Practices**

Being a co-education institute, the department maintains gender equity in academic and non academic activities. Institute adopted environment friendly practices such as energy conservation using solar power, rain water harvesting and tree plantation. The MIDC of sinner and Nashik are very close vicinity of the institute for better industry institute interaction. Being located away from the main city, institute encourages the rural and economically backward students to build their career. Faculties are involved to inculcate good values and social ethics among the students.

The institution begins the day with calm, spiritual music, thought for the day followed by national anthem. Departments monitors students discipline and encourages students to attend lectures on time, study regularly, complete assignments on time, learn during practical's and active participation in extra-curricular activities.

The performance and activities of each students is monitored and advised at various levels i.e. subject teacher, mentors, class teacher, academic coordinator, HOD's, Dean academics and IQAC. Semester wise academic book of all programs prepares and distributes before commencement of the classes. Well planned academic calendar for smooth implementation of academic and other activities. Online feedback of the students on academics and infrastructure facilities are taken monthly and reviewed and corrective measures taken. One parent teacher interaction meeting held in each semester for enhancement of the ward performance. Regular industrial visits, internships and professional activities conducted for enhancing of knowledge and skill set of students. The institution is distinctive in natural green, pollution free, calm environment and very suitable for effective learning.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	SIR VISVESVARAYA INSTITUTE OF TECHNOLOGY, CHINHOLI, NASHIK
Address	Pravara Technical Education Campus, Nashik Pune Highway, A/p Chincholi, Tal. Sinnar
City	Sinnar Nashik
State	Maharashtra
Pin	422102
Website	<a href="http://www.svitnashik.in">www.svitnashik.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Dr. K T V Reddy	02551-271278	9423787452	02551-271277	svit.nashik@pravara.in
IQAC Coordinator	Rajendrakumar Marutrao Abhang	-9423787347	9604763202	-	iqac.svit@pravara.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	
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Date of establishment of the college	01-01-1998			
<b>University to which the college is affiliated/ or which governs the college (if it is a constituent college)</b>				
<b>State</b>	<b>University name</b>	<b>Document</b>		
Maharashtra	Savitribai Phule Pune University	<a href="#">View Document</a>		
<b>Details of UGC recognition</b>				
<b>Under Section</b>	<b>Date</b>	<b>View Document</b>		
2f of UGC	27-09-2010	<a href="#">View Document</a>		
12B of UGC				
<b>Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)</b>				
<b>Statutory Regulatory Authority</b>	<b>Recognition/Approval details Institution/Department programme</b>	<b>Day,Month and year(dd-mm-yyyy)</b>	<b>Validity in months</b>	<b>Remarks</b>
AICTE	<a href="#">View Document</a>	04-04-2018	12	Extension of approval for current academic approval

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

<b>Recognitions</b>	
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

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	Pravara Technical Education Campus, Nashik Pune Highway, A/p Chincholi, Tal. Sinnar	Rural	100	19907.84

## 2.2 ACADEMIC INFORMATION

NAAC

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BE,Computer Engineering	48	HSC	English	60	48
UG	BE,Chemical Engineering	48	HSC	English	60	44
UG	BE,Electrical Engineering	48	HSC	English	60	27
UG	BE,Mechanical Engineering	48	HSC	English	120	31
UG	BE,Information Technology	48	HSC	English	60	16
UG	BE,Electronics And Telecommunication	48	HSC	English	60	19
PG	ME,Design Engineering	24	UG	English	18	12
PG	ME,Vlsi And Embedded Systems	24	UG	English	24	7
PG	MBA,Masters In Business Administration	24	UG	English	60	60
PG	ME,Computer Engineering Pg	24	UG	English	24	13

**Position Details of Faculty & Staff in the College**

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	13				27				86			
Recruited	2	0	0	2	2	0	0	2	42	20	0	62
Yet to Recruit	11				25				24			
Sanctioned by the Management/Society or Other Authorized Bodies	13				27				86			
Recruited	4	0	0	4	6	0	0	6	57	26	0	83
Yet to Recruit	9				21				3			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
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				114
Recruited	95	19	0	114
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
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				20
Recruited	14	6	0	20
Yet to Recruit				0

**Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	4	0	0	5	0	0	0	0	0	9
M.Phil.	0	0	0	0	0	0	3	0	0	3
PG	0	0	0	1	0	0	54	26	0	81

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	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

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	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

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

**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	123	2	0	0	125
	Female	80	0	0	0	80
	Others	0	0	0	0	0
PG	Male	53	0	0	0	53
	Female	37	0	0	0	37
	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	70	73	98	78
	Female	25	46	52	53
	Others	0	0	0	0
ST	Male	7	8	10	18
	Female	6	3	15	8
	Others	0	0	0	0
OBC	Male	417	372	470	428
	Female	156	195	206	223
	Others	0	0	0	0
General	Male	135	154	293	282
	Female	54	116	187	242
	Others	0	0	0	0
Others	Male	346	313	336	324
	Female	163	177	251	219
	Others	0	0	0	0
Total		1379	1457	1918	1875

### 3. Extended Profile

#### 3.1 Program

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

Response: 525

File Description	Document
Institutional Data in Prescribed Format	<a href="#">View Document</a>

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
10	10	10	10	10

#### 3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1379	1457	1918	1875	1977

File Description	Document
Institutional Data in Prescribed Format	<a href="#">View Document</a>

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

2017-18	2016-17	2015-16	2014-15	2013-14
238	227	263	263	248

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

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

2017-18	2016-17	2015-16	2014-15	2013-14
375	543	668	505	526



File Description	Document
Institutional Data in Prescribed Format	<a href="#">View Document</a>

### 3.3 Teachers

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

2017-18	2016-17	2015-16	2014-15	2013-14
94	115	118	115	115

File Description	Document
Institutional Data in Prescribed Format	<a href="#">View Document</a>

#### Number of sanctioned posts year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
144	153	155	145	138

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

### 3.4 Institution

#### Total number of classrooms and seminar halls

**Response: 27**

#### Total Expenditure excluding salary year-wise during the last five years ( INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
256.86	339.52	458.05	399.89	441.37

#### Number of computers

**Response: 461**

## 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:

Being the affiliated institute, the institute strictly follows the curriculum prescribed by Savitribai Phule Pune University, Pune (SPPU). For effective implementation of the curriculum, the following process is developed and deployed. SPPU notifies academic calendar before the commencement of every academic year. Principal of the college conducts meetings with the various department heads to develop strategies for effective implementation of the curriculum. Referring university calendar, Dean academic prepares institute academic calendar including curricular and co-curricular activities. Accordingly Heads of the Department (HOD) prepares activity calendar of their department and department time table is prepared and display it on notice boards. The teaching and laboratory plans are approved by HOD before the start of semester and communicated to students by respective course teacher. Department publishes academic book on college website for additional information to the students. The college encourages its faculty members to participate in Orientation/Refresher Courses/ Workshops/ Seminars organized by the University so as to update their knowledge and to improve the teaching practices. The college provides ample books and other teaching and reference materials like journals, magazines, teaching models, ICT tools and software to enable its teachers to ensure effective delivery of curriculum.

Bridge courses are organized for the first year students and lateral entry students to help them understand basic concepts of Mathematics and Engineering and mentally strengthen them to face the challenges of new course work. Slow learners are identified based on entry level marks. Group of 15-20 students are assigned one staff as a mentor for personal guidance under Teacher-Guardian Scheme. Teaching learning is made student centric by employing techniques such as assignments, peer learning, group discussion, printed lab manual, previous year question papers, brain storming, use of NPTEL lectures etc.

Daily attendance of student is monitored by class teachers. SMS/letters are sent to parents for frequently absenteeism of particular student. Unit test are conducted during each semester. continuous assessment is done on regular basis. Based on parameters such as attendance, continuous assessment, class test marks, student evaluation is done in two categories: slow learners and peak learners. Parent meet is conducted in each semester to discuss progress of their ward and to welcome suggestions for improvement. Syllabus completion review is conducted at the end of every month and corrective measures are taken in Principal meeting. Student feedback (Online) is also taken during mid semester and suggestion are implemented accordingly. Academic flexibility is provided to the student by paying personal attention. Extra lectures are conducted for slow learners and advanced learners are encouraged to refer journals, to give seminar on advanced topic, to participate in project completion. Industry persons are invited as an expert lecture to bridge the gap between industry and academia. Also students are encouraged to visit nearby industry to learn more. Students also participate in extracurricular activities, Sport, cultural etc. Views of experts from industry, academia and alumni on curriculum are taken regularly. Feedback from industry and alumni is given due importance in defining graduate attributes and design of course outcomes.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

**Response:** 9

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

2017-18	2016-17	2015-16	2014-15	2013-14
6	1	2	0	0

File Description	Document
Details of the certificate/Diploma programs	<a href="#">View Document</a>

### 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:** 149.91

#### 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

2017-18	2016-17	2015-16	2014-15	2013-14
65	44	28	20	10

File Description	Document
Details of participation of teachers in various bodies	<a href="#">View Document</a>

## 1.2 Academic Flexibility

### 1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

**Response:** 45.14

1.2.1.1 How many new courses are introduced within the last five years

Response: 237

File Description	Document
Details of the new courses introduced	<a href="#">View Document</a>

**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: 10

File Description	Document
Name of the programs in which CBCS is implemented	<a href="#">View Document</a>

**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: 8.32

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

2017-18	2016-17	2015-16	2014-15	2013-14
574	0	0	0	0

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	<a href="#">View Document</a>

### 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:

All departments in the institute have courses in their curriculum which integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics. Various programmes are arranged by the institute which contributes to sensitizing students to these cross-cutting issues.

### **Gender equality:**

Being a co-education institute, the department maintains gender equity in academic and non academic activities. Institute encourages boys and girls to participate in sports and cultural activities. MOU done with hospital for common medical facility to boys and girls hostel. College has functional Women's empowerment Cell headed by senior faculty members who look into the problems of girl students regarding academics and personal. Common rooms for girls and boys are available in the institute. Internal complaints committee (Grevinces cell) has been established for addressing the grievances from time to time. The cell has been regularly organized programs like health health checkup, personality development for boys and girls. Common rules like uni-forms, punctuality, descipline has been implemented for all students and faculty in the institute and hostels.

### **Environment and Sustainability**

As a green invronment initiative our institute installed solar power plant of capacity 100 KW and tree plantation over 3000. By considering depleting energy sources and pollution free college has installed own solar power plant of 100KW. A detailed energy audit of Institute is carried out on regular basis college have been conducting various social events such as tree plantation, rallies in nearby villages on energy conservation, save water rallies, seminars. College has NSS cell which conducts various environment related activities.

### **Human Values:**

A necessary part of curriculum is to inculcate good Human values among students. Our institute always believes to make each students to be a good human being and good engineer. Students learn not only respect to teacher, seniors but also respect themselves. College has Anti Ragging Cell to ensure ragging free environment. Internal complaints committee and discipline committee headed by senior faculty to take care of human values. College has a handicap friendly campus. College has constructed ramp near staircase for physically challenged students. Lift facility is also made available to the students.

### **Professional Ethics:**

Institute has given equal importance about professional ethics along with academics because knowingly and willingly students should not do wrong things. Professional ethics encompasses personal and corporate standards of behavior expected by professional. Ethics is a branch of philosophy that addresses the concepts of right and wrong or good and bad. 'Soft skills' course related to professional ethics is included as a part of the curriculum of the University. College has organized various personality development programs through skill development cell to increase the employability of students. Industrial visits and internships are made compulsory and experts from corporate are invited to shear their views with students to understand corporate standards and culture. It is observed that there is a huge change in change in behavior, attitude and communication with peers and teachers.

File Description	Document
Any Additional Information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

**Response: 5**

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

Response: 05

File Description	Document
Details of the value-added courses imparting transferable and life skills	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3.3 Percentage of students undertaking field projects / internships

**Response: 26.98**

1.3.3.1 Number of students undertaking field projects or internships

Response: 372

File Description	Document
List of students enrolled	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## 1.4 Feedback System

**1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni and 5) Parents for design and review of syllabus-Semester wise/ year-wise**

**A. Any 4 of the above**

**B. Any 3 of the above**

**C. Any 2 of the above**

**D. Any 1 of the above**

<b>Response:</b> A.Any 4 of the above	
<b>File Description</b>	<b>Document</b>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View Document</a>
URL for stakeholder feedback report	<a href="#">View Document</a>

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

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

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

**Response:** 0.14

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

2017-18	2016-17	2015-16	2014-15	2013-14
3	2	1	4	2

#### File Description

#### Document

List of students (other states and countries)

[View Document](#)

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

#### 2.1.2 Average Enrollment percentage (Average of last five years)

**Response:** 47.64

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

2017-18	2016-17	2015-16	2014-15	2013-14
277	234	263	322	378

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

2017-18	2016-17	2015-16	2014-15	2013-14
546	546	666	666	666

#### File Description

#### Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[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:** 73.65

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

2017-18	2016-17	2015-16	2014-15	2013-14
183	172	156	184	214

**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:**

Based on questionnaires developed to identify advanced and slow learners <https://www.webtools.ncsu.edu/learningstyles/> students evaluation is done in two categories slow and advanced learners.

Advanced learners are encouraged for mini projects subject wise, paper presentations, poster competition at state and national levels. Students are encouraged to undergo internship program in nearby industries and to identify projects as a part of their curriculum. students also participates in different project competition like Aviskar, SAE. Students are provided financial support to participate in such activities. Institute organizes value addition courses, Aptitude, GATE coaching and abroad studies, competitive examination guidance. Institute organizes expert lectures, national conference and technical events to motivate advanced learners in research.

Slow learners are identified based on list of defaulters at the end of each month, failures in class test. Personal counseling is done for such students during parents meet as well as by mentor. Remedial, extra lectures are arranged and re- examinations are conducted to improve their performances. Subject teachers, Head of the department, principal and counselor of institute conduct separate meetings of slow learners to resolve their issues and personal care taken for their improvement. Special guidance is provided to the students for backlog subject at institute level.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

2.2.2 Student - Full time teacher ratio	
<b>Response:</b> 14.67	
File Description	Document
Any additional information	<a href="#">View Document</a>

2.2.3 Percentage of differently abled students (Divyangjan) on rolls	
<b>Response:</b> 0	
2.2.3.1 Number of differently abled students on rolls	
File Description	Document
List of students(differently abled)	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any other document submitted by the Institution to a Government agency giving this information	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences
<p><b>Response:</b></p> <p>For student centric mechanisms, institute has implemented mentoring scheme effectively. A group of 20 students are assigned one faculty as a mentor to take their academic progress review fortnightly. Apart from this class teachers, heads of department, principal, counselor are part of the institute to counsel and mentoring the students for their overall developments through experimental learning, participative learning and problem solving methodology.</p> <p>Experimental leaning includes demonstration of experimental procedure in a group of 5 students (i.e. dividing practical batches of 20 students into 04 group). Students are motivated to perform experiments individually and also to perform extra practical's apart from syllabus for extra learning. Brain storming sessions, Stress management, mini projects competition, paper presentation, industrial visits are arranged to get hands on experience.</p>

Students are encouraged for participative learning. Institute organizes technical events to bring out the potential of the students. Students are encouraged to undertake industry sponsored projects as well as implant training. Faculty and students are motivated to participate in technical paper presentation, seminar, conferences and project competition and exhibitions. Problem solving methodology includes to assign particular task for a group of students to complete it in certain time such as assembling and disassembling various types equipments to develop algorithms etc.. students repairs the equipments and service for hands on practical's. Group discussion sessions are organized to come out with solution on particular issues. Soft skill training, aptitude, GATE coaching has been organized regularly to improve students communication and technical skills required for placements.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

**Response:** 72.34

#### 2.3.2.1 Number of teachers using ICT

Response: 68

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

### 2.3.3 Ratio of students to mentor for academic and stress related issues

**Response:** 16.22

#### 2.3.3.1 Number of mentors

Response: 85

File Description	Document
Any additional information	<a href="#">View Document</a>

### 2.3.4 Innovation and creativity in teaching-learning

**Response:**

Institute has formed separate Skill Development Cell under which entrepreneur skill development activities are organized. Students are encouraged to undertake sponsored project. Faculties are made compulsory to visit nearby industry to identify projects for students. Also institute gives support to students and faculties to participate in different projects competition like Avishkar, TechFest. Institute organizes various technical events such as DELVE, MECHAZZMO etc every year in which paper presentation project exhibition, robo competition, aptitude test and many more technical events organized by every department.

Students and faculty members make use of various softwares, NPTEL, e-Resources, Shodhganga references in teaching learning. Students are assigned to deliver seminar on recent topic subject wise. Also individual task are assigned to complete mini projects to develop creativity.

Assignments are given on each topic and assessed on regular basis after completion of each unit. Students are made compulsory to visit industry to learn practical things and submit detailed report of visit/in plant training.

Students are motivated to participate in the various activities organized by departmental association such as expert lecture, Workshop, Seminar. Students are encouraged to visit nearby villages to give information of recent development and changes in India. They also help them to use e-services which are provided by government due to which student also aware of what is the need of society.

File Description	Document
Any additional information	<a href="#">View Document</a>

**2.4 Teacher Profile and Quality****2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years**

**Response:** 75.84

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 5.06

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

2017-18	2016-17	2015-16	2014-15	2013-14
10	7	5	3	2

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.4.3 Teaching experience per full time teacher in number of years

**Response:** 6.39

#### 2.4.3.1 Total experience of full-time teachers

Response: 600.41

File Description	Document
Any additional information	<a href="#">View Document</a>

### 2.4.4 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:** 1.8

#### 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

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	1	1	0

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of award letters (scanned or soft copy)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the

**last five years****Response:** 0.94**2.4.5.1 Number of full time teachers from other states year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
1	4	1	0	1

<b>File Description</b>	<b>Document</b>
List of full time teachers from other state and state from which qualifying degree was obtained	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.5 Evaluation Process and Reforms****2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level****Response:**

Formative assessment is adopted to measure students' performance during the course and used to provide feedback to the students for improvement. Ensuring attendance and interaction in classroom and laboratory throughout the semester. Continuous assessment of student's performance in the laboratory will be checked by subject teacher by completion of each and every practical. Students performs practical in week and next week practical assessment are checked by respective subject teacher on regular basis. Conduction of class tests are done for theory subjects after completion on two unites. Tutorials and Assessment are given after completion of each unit of subject. Industrial visits, workshop and seminar are organized for students on regular basis to improve the skills of students.

Institute also conducts separate examination for the absentees in case if any one is a meritorious student or participating in national and state level sports or if someone is very sick based on medical grounds so that their percentage should not hampered. Institute insists extensive use of online- content and NPTEL and other video lectures to support the class room teaching. Comprehensive individual assignments are practiced and students need to present the assignment before submission. Seminars, technical paper presentation and mini-projects are introduced in the curriculum to make the environment activity based. To refine the critical thinking among students, various group discussions, debates, seminars, workshops etc., are organized in which students explore new ideas and thus enhances their performance levels.

Summative assessment is adopted to measure students' performance during each semester by means of following examinations conducted by the university.

(i)Online and In-semester examination

- (ii)End-semester theory examination
- (iii)Practical and Oral examination for lab courses
- (iv)Presentation, demonstration and viva for Project work
- (v)Presentation and viva for seminar

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

**Response:**

Internal assessment system of the students is transparent. Term Work assessment is done on the basis of following criterion

- a) Timely submission(TW File)
- b) Performance and attentiveness(Behavior)
- c) Unit Test marks.

Mechanism of internal assessment is as below:

Display of academic calendar on Notice Board including details of two unit test slot per



Assignment and Question Bank are given unit wise for well prepare.



Opportunity to discuss with concern subject teacher or mentor to discuss issues



Retest or assignments are asked from failure students.



Parent-Teacher meets conducted after conduction of unit test to discuss performance & Academic progress of student with parent.



For special cases, irregularities parents are called in between as well.



Term work & examinations marks are assessed based on their attendance Class Test, Assignments record , assessment of practical records.



Practical/Oral examination is evaluated by internal & external examiners appointed by



In-Semester examination theory papers are assessed by regular faculties/subject teachers as per SPPU guidelines.



Internal & External academic audits are done once in a semester to keep the transparency in the internal assessment.



File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

#### Response:

Students are made aware of continuous assessment scheme for lab work, project work and seminars as per the evaluation criteria. Term work marks are displayed on notice board. Any discrepancy in continuous assessment is resolved at department level. The grievances during the conduction of the University online/theory examinations and discrepancies in the mark sheets are addressed and discussed in consultation with the C.E.O.(College Examination Officer) and if necessary, the student write the application addressed to the Director of Board of examination and evaluation, SPPU Pune. CEO forwards the application of students to the university for the further action. University declares the schedule for revaluation and demand of photocopy of corrected answer sheet after the declaration of the results. Assistance is provided by the examination section of the Institute to apply for the same to the Director of Board of examination and evaluation, SPPU Pune. The outcome of the process is conveyed to the students by the examination section. The above all the process is time bound as per the schedule of the University.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

#### Response:

Being the affiliated institute, the institute implements the curriculum prescribed by Savitribai Phule Pune University, Pune (SPPU). For effective implementation of the curriculum, the following process is developed and deployed. SPPU notifies academic calendar before the commencement of every academic year. Principal of the college conducts meetings with the various department heads to develop strategies for effective implementation of the curriculum. Referring university calendar, Dean academic prepares institute academic calendar including curricular and co-curricular activities. Accordingly Heads of the Department(HOD) prepares activity calendar of their department and department time table is prepared and display it on notice boards. The teaching and laboratory plans are approved by HOD before the start of semester and communicated to students by respective course teacher. Department publishes academic book on college website for additional information to the students. The College encourages its faculty members to participate in Orientation/Refresher Courses/ Workshops/ Seminars organized by the University so as to

update their knowledge and to improve the teaching practices. The college provides ample books and other teaching and reference materials like journals, magazines, teaching models, ICT tools and software to enable its teachers to ensure effective delivery of curriculum.

Bridge courses are organized for the first year students and lateral entry students to help them understand basic concepts of Mathematics and Engineering and mentally strengthen them to face the challenges of new course work. Slow learners are identified based on entry level marks. Group of 15-20 students are assigned one staff as a mentor for personal guidance under Teacher-Guardian Scheme. Teaching learning is made student centric by employing techniques such as assignments, peer learning, group discussion, printed lab manual, previous year question papers, brain storming, use of NPTL lectures etc.

Daily attendance of student is monitored by class teachers. SMS/letters are sent to parents for frequently absentee of particular student. Class Test are conducted during each semester. continuous assessment is done on regular basis. Based on parameters such as attendance, continuous assessment, class test marks, student evaluation is done in two categories: slow learners and fast learners. Parent meet is conducted in each semester to discuss progress of their ward and to welcome suggestions for improvement. Syllabus completion review is conducted at the end of every month and corrective measures are taken in Principal meeting. Student feedback (Online) is also taken during mid semester and suggestion are implemented accordingly. Academic flexibility is provided to the student by paying personal attention. Extra lectures are conducted for slow learners and advanced learners are encouraged to refer journals, to give seminar on advanced topic, to participate in project competition. Industry persons are invited as an expert lecture to bridge the gap between industry and academia. Also students are encouraged to visit nearby industry to learn more. Students also participate in extracurricular activities, Sport, cultural etc. Views of experts from industry, academia and alumni on curriculum are taken regularly. Feedback from industry and alumni is given due importance in defining graduate attributes and design of course outcomes.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 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 assessment tools and processes used for measuring the attainment of each of the Program Outcomes (POs) and Program Specific Outcomes (PEOs) are as mentioned below:

### Method of assessment of POs / PSOs:

The program outcomes and program specific outcomes are assessed with the help of course

outcomes of the relevant courses through direct and indirect methods. Direct methods are provided through direct examinations or observations of student knowledge or skills against measurable course outcomes. The knowledge and skills described by the course outcomes are mapped to specific problems on university examination, internal exams and home assignment throughout the semester.

At the end of each semester university conducts examinations. Based on the result published by university the course outcomes are measured considering the course attainment level fixed by the program. Assignments are given at the end of each unit. The assignments are provided to students, such that students will refer the text books and good reference books to find out the answers and understand the expected objective of the given problem. It is the responsibility of the concerned subject teacher to ensure that most students are able to work out the assignments honestly. The questions asked in assignments are mostly aligned with course outcome of the respective subject. It is also evaluated based on the Projects done by the students during the academics which is assessed by progress review presentation and final viva of the project.

**Two internal examinations are conducted per semester for the following purposes:**

To ensure that whether students have achieved desired level of competencies for each unit level or not. To evaluate, whether corresponding COs are achieved or not. According to the performance of the student in answering each question, mapping is carried out with the respective COs for assessing the attainment level of the specific CO of the subject.

File Description	Document
COs for all courses (exemplars from Glossary)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

**Response:**

Indirect assessment strategies are implemented by embedding them in Student Exit Survey, Employer Survey and Alumni Survey. Few of the POs are assessed based on relevant developed rubrics. Finally, program outcomes are assessed with above mentioned data and Program Assessment Committee concludes the PO attainment level.

Attainment of each subject is calculated by considering the average % result of last three year and this will be the target for next year of that respective subject. While calculating attainment, in semester exam marks, end semester exam marks Practical or term work marks of that respective subject are considered to set the target level for next year.

Attainment Level 1: 60% of students score more than 60% marks out of the maximum relevant marks.

Attainment Level 2: 70% of students score more than 60% marks out of the maximum relevant marks.

Attainment Level 3: 80% of students score more than 60% marks out of the maximum relevant marks.

The results of CO attainment used to evaluate the attainment of programme outcomes (PO) to identify the course outcomes. The outcome of analysis used to improve the teaching and learning experience in the particular course. These COs are produced based on the requirement of the programme outcomes (PO). Each CO will be mapped to PO ( CO-PO) matrix. The PO will be then mapped to PEO. (i.e. relationship between CO, PO and PEO). Assessment methods designed in such a way to achieve the PO's. The Teaching-Learning is important to ensure the student able to acquire the knowledge or skill required. Assessment is also important to assess whether the student or learner has attained what is expected out of them. All these will be useful to continuous quality improvement (CQI).

This method is evaluating the attainment of CO by using student's marks, where the student marks consists of final examination marks obtained, class test, regular assignments, project etc. Targets are set for each CO of a course and for different groups of students separately. The institute moving from traditional education to outcome based education. By this process Few students might be felt very happy with the new teaching learning and evaluation process. Finally attained the course outcomes to program outcomes and improved the performance of student based on the identification of weak and bright students.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 2.6.3 Average pass percentage of Students

**Response:** 81.97

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 291

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

Response: 355

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

### 2.7.1 Online student satisfaction survey regarding teaching learning process

**Response: 3.13**

NAAC

## 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 (INR in Lakhs)**

**Response:** 10.5

3.1.1.1 Total Grants for research projects sponsored by the 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)

2017-18	2016-17	2015-16	2014-15	2013-14
0	2.5	0	0	8

#### File Description

#### Document

List of project and grant details

[View Document](#)

e-copies of the grant award letters for research projects sponsored by non-government

[View Document](#)

**3.1.2 Percentage of teachers recognised as research guides at present**

**Response:** 7.45

3.1.2.1 Number of teachers recognised as research guides

Response: 7

#### File Description

#### Document

Any additional information

[View Document](#)

**3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year**

**Response:** 0.14

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

Response: 3

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 111	
File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
Funding agency website URL	<a href="#">View Document</a>

## 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 provides the facilities like project laboratories, equipment and computer laboratories in each department, softwares, internet, books and journals etc. to the students and faculties for innovation and transfer the knowledge. The students conduct the subject experiments in each departmental laboratories under the guidance of faculties. Also the UG and PG students conduct the research projects under the guidance project guide. The institute having the Research and Development Cell (R&D) for give the innovative ideas and transfer the knowledge. The R&D cell committee members are encourage the students and faculties for participation in the activities conducted by the department and institute, publication of the research papers and writing the research proposal for grants. Also the IPR research related seminars were organized by the R&D cell for students and faculties. The students are participated in seminars, workshops, conference, technical events organized by the different department and also attended other institute. The projects groups of the students are participated in the project exhibition at institute level as well as state and national level events organized by the other institutes. The faculties of the institute has has been motivated for the PhD degree at different universities. The faculties published their research in the various journals as well as conferences at national & international level. Senior faculty received the grants for their research projects from the various funding agencies like university and AICTE.

All the departments of the institute were organized the various technical events like Chemcoalesce, Delve, Cognizia and Mechazemo for the purpose of enriching the students all round growth and providing them platform for presenting their abilities or innovative ideas. The technical quiz competitions are organized to challenge the mind of students. Also under the technical events organized the various events like project exhibition, paper presentations, poster presentations, the founder competitions, aptitude test, short movies making, cube and rapid competitions, Robo-Race, C+ Programming, Robo war, Air craft design etc.. Also the different departments were organized the expert lectures, seminars, workshops and conferences for purpose of increasing the interaction between the industry and institute. Thus the institute continuously attempts to provide state of the art resources for innovations along with creation and transfer of knowledge.

File Description	Document
Link for Additional Information	<a href="#">View Document</a>

**3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years****Response:** 153**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**

2017-18	2016-17	2015-16	2014-15	2013-14
50	32	30	24	17

File Description	Document
Report of the event	<a href="#">View Document</a>
List of workshops/seminars during the last 5 years	<a href="#">View Document</a>

**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	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards****Response:** Yes

File Description	Document
e- copies of the letters of awards	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.3.3 Number of Ph.D.s awarded per teacher during the last five years****Response:** 0**3.3.3.1 How many Ph.Ds awarded within last five years**



## 3.3.3.2 Number of teachers recognized as guides during the last five years

Response: 1

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 0.08

## 3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	1	2	3	1

File Description	Document
List of research papers by title, author, department, name and year of publication	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.3.5 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: 0.6

## 3.3.5.1 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

2017-18	2016-17	2015-16	2014-15	2013-14
32	6	14	9	6

File Description	Document
List books and chapters in edited volumes / books published	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 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:

The Pravara Rural Education Society is established for social organization which strives to achieve the social requirements through the social activities. The institute follows the footprint of the parent organization by organizing the extension activities in the neighborhood rural communities for sensitizing the students to social issues, good values, service orientations, good citizenship and holistic development. The students and faculty members of the institute are involved in conducting the career development programs regularly on every year for 12th Science students in nearby colleges located in rural areas make the awareness of higher education and career opportunities after 12th standard. The institute having the National Service Scheme (NSS) unit in collaboration with the Savitribai Phule Pune University. Every year the NSS organize 07 days camp in the nearby villages with the help of Grampanchayat. The students and faculty are stay for 07 days in the village. During the camp were organize the expert lectures on leadership development, personality development, importance of cleanliness, youth and their challenges, Chemical and environment balance and blood donation importance. Many villagers and students were participated in such activities. This NSS camp has help and learns to understand the rural life of villagers, difficulties and challenges faced by the villagers. Due to this the students can give the possible any social solutions for the same. Apart from the camp the NSS also organized many activities like tree plantations, Swaccha Bharat Abhiyan, awareness program on hand washing and diseases Prevention, Swacchata Hich Seva Abhiyan, Health checkup camp, blood donation camp, Thalesimiya Checking, Aids Awareness, Road Safety, National Unity and Commitment day, National youth day etc. Also the school dropout survey in the nearby villages like Mohu, Chinhcoli, Malegaon and Vadgaon for the purpose of awareness of educations among the students and parents of the villagers.

The institute has started the program "Ankur Ek Navi Survat" under this the student and faculty of the institute organized program for orphanage home of the HIV affected. Also the faculty and students of the institute was visited to the "ANNATH ASHRAM" and help them by donating the material as per their need. The students from the ANNATH ASHRAM invited in the college campus and guide the students and donated the some material of their daily needs. The different department of the institute has organized the some social activities by which the students learn the social responsibility. "Save Water" program was organized by the students of the Chemical Engineering Department in the Mohu Village for the purpose of to make the awareness of importance of water, environment etc in the villagers. Also the students of the Electrical Engineering Department were conducting the awareness program on the "Save Electricity" in the Shinde Village. Also Institute organized the Earn & Learn scheme for the purpose of help to the economically poor students in collaboration with the SPPU Pune. The Institute awarded in terms of certificates and trophies for the extension activities like blood donation and Ankur Ek Navi Survat by the recognized body.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

**Response: 7**

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

2017-18	2016-17	2015-16	2014-15	2013-14
2	2	1	1	1

File Description	Document
Number of awards for extension activities in last 5 years	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>

### 3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

**Response: 31**

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
10	6	4	7	4

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Number of extension and outreach programs conducted with industry,community etc for the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 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:** 48.09

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

2017-18	2016-17	2015-16	2014-15	2013-14
1242	767	662	654	560

File Description	Document
Report of the event	<a href="#">View Document</a>
Average percentage of students participating in extension activities with Govt or NGO etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 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:** 412

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

2017-18	2016-17	2015-16	2014-15	2013-14
145	78	73	62	54

File Description	Document
Number of Collaborative activities for research, faculty etc	<a href="#">View Document</a>
Copies of collaboration	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)**

**Response: 35**

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 (only functional MoUs with ongoing activities to be considered)

2017-18	2016-17	2015-16	2014-15	2013-14
18	13	02	02	00

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

## 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 institute encourages all the departments to participate and implement best teaching and learning techniques. All teachers in the institute plan and execute their course delivery by using modern ICT resources. Depends on the basic analysis of understanding of the students the faculties adopt their teaching tools.

The institute provided in all classrooms with sufficient number of benches, natural ventilation, platforms, green / black boards. In order to use the ICT facilities majority of the class rooms are provided LCD projectors with internet facilities. All class rooms are cleaned regularly to maintain overall ambience.

As per the norms of apex body, each department has sufficient laboratories to run UG and PG courses. All laboratories are upgraded regularly not only to take care of revised curriculum of affiliated university but also beyond syllabus. Advanced equipments are made available to carry the research work. All laboratory equipments are physically verified and tested once in a semester and maintain the reports. Faulty equipments are tested internally and cross checked by external agency, if any equipments found beyond repairable are written off once in a year and subsequently replacement by new equipments.

The infrastucture is available to conduct various technical activities such as seminars, workshops, expert lectures , conference, campus recruitments training sessions etc.

In addition to this, institute has girls and boys common rooms and sufficient well maintained wash rooms,transport facilities, medical facilities and counselling facilities.

The institute has provided hostel facilities having 240 rooms to accomodate girls and boys in the campus.

The institute provided 461 computers compatible with latest version software's. All computers are connected with LAN. Recently upgraded 48 Mbps to 100 Mbps internet facilities provided by RailTel Corporation of India Ltd. Computing facilities made available in each department to care about the simulation and analysis experiments. Centralized computing facilities are available for conducting the online exams and other competitive exams and also students feedbacks.

Optimum utilization is ensured through inovative teaching learning practices by condcuting regular aptitude test for all students SE, TE and BE, GATE training sessions through VSAT by KONGO educational service Pvt. Ltd., weekly once for each department. Institute provides remote assess to get e-books, e- journals, and e-library.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

##### Response:

To bring overall personality, team work and leadership qualities among students, the institute encourages students to participate in various sports at different levels within institute, district, university and state level.

The college encourage and given platform to the students to bring the best talent by participating / organizing variety of cultural events in the entire academic year which is included in the activity calander. Our students are participated in music, signing, dancing and performance of skit and own the awards in "One Gaon One Ganapati" organized by "PRAVARA MAHOSTOVE" pravara rural education society, Loni. Also celebrated Teachers day, Engineers day, Mahatma Gandhi Jayanti, Shiv Jayanthi, Ganesh Festival, Dashahara, Republic day and "EPHORIA cultural event".

The play ground has been developed for outdoor games and sports like Kho-Kho, cricket, football, vollyball etc. A separate indoor facilities are built to take care indoor sport and games like table tanis, carroms, basket balls, chess, badminton etc.

A well-equipped gymnasium are both girls and boys is made available in the campus. Occasionally Yoga is conducted in the campus to keep students mind calm.

Students actively participate in various social activities including tree plantation, Blood donations, Save electricity, Save water, save environment. NSS team of the college have regular camps wherein they spread the awareness of government policies Swachha Bharat Abhiyan, Digital India , Beti Bacchav- Beti Phadhav etc. through one act play and displaying posters and banners etc

File Description	Document
Link for Additional Information	<a href="#">View Document</a>

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

Response: 66.67

## 4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 18

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	<a href="#">View Document</a>
any additional information	<a href="#">View Document</a>
Link for additional information which is optional	<a href="#">View Document</a>

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

Response: 95.73

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

2017-18	2016-17	2015-16	2014-15	2013-14
240.48	339.52	458.05	339.96	441.37

File Description	Document
Details of budget allocation, excluding salary during the last five years	<a href="#">View Document</a>
Audited utilization statements	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

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

Response:

The institute has well furnished centralized library with OPAC system on place . KOHA iLMS software version : 3.22.07.000 is used for library management. Using this software Email & SMS alert etc. and providing single window, where complete information about the users along with circulation status, fine status, contact details, reading & circulation history etc.

The requirements of library are regularly fulfilled by adding new titles and the number of volumes required as per the norms. Presently the total number of volumes are 29606 and titles are 8066. Apart from the hard copies of books in the library also has e-books of 9703.



To inculcate research culture among the staff and students , the library is updated with latest journals as per the requirement of each departments. 73 hard copies of journals along with e-journals from springer, J-Gate, DELNET, NDL, IEEE, ASTM, Science Direct. For ready reference previous project reports, PhD thesis and rare books are available in the library.

All types of reports required for the audit of the library generated with the use of above mentioned software. It also facilitate to create book database along with user's database. Issue return process is fully automated and manual cards are kept as supporting documents for students and faculty. NPTEL video facilities provided for students and staff also.

The institute has registered membership to extend the library facilities from reputed libraries like IIT Bombay, British Council Library, Jaykar library SPPU Pune, NDL.

All transactions like book issue, return and stock varification in the library by using the bar code system .

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

##### Response:

Over and above required as per norms the library also has over 1800 rare books, Ph.D. thesis PG and UG project reports. Each department have independent library consist of reference/ text books, seminar reports, project reports, CDs etc.

NPTEL video facilities provided for students and staff also. 12 TB Video lectures from NPTEL are available in the intranet for all staff and students. The institute has taken membership from IIT Bombay central library, British Council Library, Jaykar library SPPU Pune, National Digital Library of India IIT Kharagpur.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### 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	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)****Response:** 17.03

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

2017-18	2016-17	2015-16	2014-15	2013-14
9.20297	20.06737	20.74178	19.92585	15.19578

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**4.2.5 Availability of remote access to e-resources of the library****Response:** Yes

File Description	Document
Any additional information	<a href="#">View Document</a>

#### 4.2.6 Percentage per day usage of library by teachers and students

**Response:** 2.04

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

Response: 30

File Description	Document
Any additional information	<a href="#">View Document</a>

### 4.3 IT Infrastructure

#### 4.3.1 Institution frequently updates its IT facilities including Wi-Fi

**Response:**

To take care need of digitization the university prescribed certain configurations on which practicals can be performed. In our institute all the computing facilities are regularly monitored, replaced and upgraded above the norms specified. In each lab monthly monitoring and testing is carried out and appropriate action is taken accordingly. All laboratories and offices are LAN connected through CAT6 high speed cable.

In order to maintain security of internal network institute have managed routers, multi layer switches as well as managed switches. Also to restrict unauthorized sites institute use firewall to filter web traffic. For all students and faculty login are made available through captive portal of SVIT. Internet is available 24x7 in campus for academic purpose.

Each building of campus also connected with WiFi which having minimum range of 200 Mtr capable to connect 250 users to single device.

Very recently we have upgraded internet facility from 48 Mbps to 100 Mbps from RailTel Corporation of India Ltd. students are encouraged to use internet facilities not only in the academic building but also uses in the hostels.

We have observed that usages of internet by the students and faculty for seminars, projects, specialized topic of research is increased form year to year. The internet facility are also used extensively for feedback system, online examinations, competitive examinations. Current students are getting benefited by arranging various lectures/ experiences through webinars by alumni from outside India as well within India.

Institute also use social platform for various events to broadcast on YouTube channel, FaceBook page and twitter handle.

YouTube Link : [https://www.youtube.com/channel/UC32\\_AGMo2PXhAU2yFXmEIBw](https://www.youtube.com/channel/UC32_AGMo2PXhAU2yFXmEIBw)

Facebook Link : <https://www.facebook.com/SVITSinnar>

Twitter Link : [https://twitter.com/SVIT\\_sinnar](https://twitter.com/SVIT_sinnar)

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### 4.3.2 Student - Computer ratio

**Response:** 2.99

File Description	Document
Any additional information	<a href="#">View Document</a>

#### 4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

**>=50 MBPS**

**35-50 MBPS**

**20-35 MBPS**

**5-20 MBPS**

**Response:** >=50 MBPS

File Description	Document
Any additional information	<a href="#">View Document</a>

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

**Response:** Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	<a href="#">View Document</a>
Link to photographs	<a href="#">View Document</a>

#### 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:** 42

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)

2017-18	2016-17	2015-16	2014-15	2013-14
118.48	95.19	284.41	229.24	158.62

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	<a href="#">View Document</a>
Audited statements of accounts.	<a href="#">View Document</a>

##### 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 college has well established systems and procedures on place for maintaining and its utilization of various for infrastructure and other facility. Institute have independant civil and maintainance section who takes care about all the physical infrastructure and its facilities. Regular maintainance reports are maintained and any new proposals for change/addition of infrastructure shall be taken care time to time. For the academic support admission section, student section, examination section, account section work coherently to take care the need of students. Seperate TPC, Alumni, Incubation, industry-Institute interaction, skill development, student welfare, enterpreneur cells etc are available for overall development of students. Each cell maintains their own SOP's and reports.

Laboratories and classrooms are utilized effectively as per timetable. Laboratories and classrooms are cleaned daily and repotrs are maintained. Lab inchares, lab cordinaters and head of department take care overall utilization of respective department laboratories.

Sufficient computers are allotted to each department to carry out the experiments like programming/development/ simulation/animations. All maintenance records are taken care of by the maintenance department.

For library utilization, a separate span of 2 hours is mentioned in the time table by each department. The department has appointed one faculty as library in-charge to monitor library activity.

The institute has appointed a separate physical director for coaching and support to students for various sports activities. The department has deputed a separate faculty for all sports events for overall coordination.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 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:** 78.27

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

2017-18	2016-17	2015-16	2014-15	2013-14
1260	1200	1428	1343	1414

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	<a href="#">View Document</a>
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 1.09

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

2017-18	2016-17	2015-16	2014-15	2013-14
60	16	0	0	0

File Description	Document
Any additional information	<a href="#">View Document</a>

#### 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	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link to Institutional website	<a href="#">View Document</a>

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

**Response:** 6.71

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

2017-18	2016-17	2015-16	2014-15	2013-14
230	154	49	35	37

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>



**5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years****Response:** 15.39

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

2017-18	2016-17	2015-16	2014-15	2013-14
326	223	258	284	186

**File Description****Document**

Details of the students benefited by VET

[View Document](#)

Any additional information

[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**

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](#)

Any additional information

[View Document](#)**5.2 Student Progression****5.2.1 Average percentage of placement of outgoing students during the last five years****Response:** 33.05

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

2017-18	2016-17	2015-16	2014-15	2013-14
75	172	227	206	204

File Description	Document
Self attested list of students placed	<a href="#">View Document</a>
Details of student placement during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 2.13

5.2.2.1 Number of outgoing students progressing to higher education

Response: 8

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Details of student progression to higher education	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 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/ TOEFL/ Civil Services/State government examinations)

**Response:** 58.21

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

2017-18	2016-17	2015-16	2014-15	2013-14
05	15	09	01	03

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

2017-18	2016-17	2015-16	2014-15	2013-14
109	131	12	01	03

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

### 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:** 6

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

2017-18	2016-17	2015-16	2014-15	2013-14
03	02	01	00	00

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

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

**Response:**

The student council has formed as per the provisions of the Savitribai Phule Pune University, Pune according to section 40(2) (b) of the Maharashtra Universities Act, 1994 to conduct various activities.

Student council means a group of student representatives elected and assigned to each class in the institution and they plan to execute extracurricular activities in the academic. The student council helps to share student ideas, interests, request, complaints and any concerned with teachers, principal, and campus director through the representative of the student council.

Generally, student council consists of President (chairman), Student Development Officer (S.D.O.) and the student representing various fields like university level activities, annual social gathering, sports, National Service Scheme, Girls representatives, cultural activities representatives, class representatives etc. All representatives execute their roles and responsibilities in the academics and administrative bodies for the fulfillment of the planned activities of student council.

The structure of student council in our institute is as below.

1. **Hon. Chairman (Principal)**
2. **Teacher (S.D.O.)**
3. **NSS Coordinator**
4. **Sport's Director**
5. **Student General Secretary**
6. **Student University Representative**
7. **Student from NSS**
8. **Student For Cultural Activities**
9. **Student For Sports Activities**
10. **Students from Girls**
11. **Student Co-coordinator for Magazine**
12. **Class Representatives**

Student council cell is governed by the body members and monitored by S.D.O. The purpose of the student council is to give students an opportunity to develop leadership by organizing and carrying out extracurricular activities. In addition to various events institute contributes a major role in the community welfare, the student council comes ahead as a student body.

**The objectives of the student council are as follow.**

- 1) To conduct Co-curricular, extracurricular, cultural, and social activities for Students personality development.
- 2) To resolve various minor faced problems through the Student Council.
- 3) To develop leadership skills, teamwork, event management, social awareness skills in the students.

**The student council also have have major contribution in the following fields.**

1. To organize various states, national, or university level technical, non-technical events for students.
2. To organize college level events like annual social gathering, cultural events, sports, tree plantation events, blood donation events, Swachh Bharat Abhiyan, surveys (Save Energy, Green Audit), etc.
3. To celebrate important days like Independence day, Republic day, Engineers day, Teachers day etc.

Thus student council helps not only for organizing various events but also improvement of academics and student development.

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

**Response:** 5.4

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6	7	3	5	6

<b>File Description</b>	<b>Document</b>
Report of the event	<a href="#">View Document</a>
Number of sports and cultural activities / competitions organised per year	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 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:**

Alumni association of Sir Visvesvaraya Institute of Technology was registered with Registrar of Society's under the Societies Registration Act, 1860. Alumni Association committee consists of representatives of student and faculty from each department. Institute organizes alumni meet yearly for interaction with outside world. Institute has formed a strong alumni database area wise, sector wise and designation wise including distinguished Alumni working in India and abroad.

The Alumni Association cell is working in coordination with Training and Placement cell. It organizes alumni meet every year to review the activities conducted during that year and plan the activities for the forthcoming year. SVIT facebook page, departments WhatsApp groups, Google-groups accounts, group email IDs etc are available to connect with the Alumni and conduct the face to face Alumni interaction. Alumni association appreciates academic, professional and other achievements of the alumni.

**Contributions of Alumni:**

(1) **Alumni Meets:** During the alumni meeting, alumni and respective faculties interacts with each other regarding current industrial market and trends in which they work. Thus suitable improvements with respect to the infrastructure facilities and academic implemented in the institute.

(2) **Placements:** The alumni network of the institute is one of the biggest resource for the placement of students. Alumni help students get placed in their respective companies.

(3) **Training and Workshops :** Our alumni play an active role in different programmes like training the students in their areas of expertise. Institute organizes workshops of different skilled Alumni for students. Alumni also conduct different practical sessions for students.

(4) **Career Guidance** - Alumni is a massive talent team whose guidance is always beneficial to SVIT students and other fellow-alumni in their respective domain. Our Alumni are actively involved in career guidance and train our students for skills required in industrial jobs.

(5) **Networking Platform** - Alumni association by itself is one of the best-qualified networking platforms. So establishing a strong alumni association is working as a communication channel between college and alumni. The platform of alumni association is made available to develop contacts between SVIT students and alumni.

(6) **Online Sessions** – Institute organizes online sessions (webinars) of abroad Alumni through video conferencing for our students. These webinars facilitate the contact between alumnus and students. Students are also trained for different skills sets through these sessions.

(7) **Curricular Project Guidance-** Alumni are also guiding to the final year students regarding their projects. Few final year students also complete their project work in industries through the reference of Alumni working in the respective industries.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**5.4.2 Alumni contribution during the last five years(INR in Lakhs)**

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

**Response:** <1 Lakh

File Description	Document
Any additional information	<a href="#">View Document</a>
Alumni association audited statements	<a href="#">View Document</a>

**5.4.3 Number of Alumni Association / Chapters meetings held during the last five years****Response:** 7**5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
04	01	01	01	00

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Report of the event	<a href="#">View Document</a>

## 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:**

**VISION:-**

*“To provide quality technical education in rural area to create competent human resources”*

**MISSION:-**

*“Committed to produce competent engineers to cater the needs of society by imparting skill based education through effective teaching learning process.”*

**Description:-**

The institute is committed to impart quality technical education in rural area in order to empower the youth and women in the region. The institute is well reputed with extraordinary characteristics like eminent and stable staff, consistent up gradation of lab equipments, large number of books and online e- journals subscriptions, special efforts for to develop communication skills and research ability of students. The projects are undertaken to address and resolve social problems related to health, education, environmental protection, water conservation. Various stakeholders such as parents, students, alumni, industries, etc were involved in the process of formulation of vision and mission. The institute aims delivering engineering education through effective teaching learning process to compete with global standards.

For fulfilment of mission the quality and policies are-

- Undertaking programmes and projects for excellence in teaching, research and Administration.
- Promoting the use of technology to overcome the barrier between theoretical and practical knowledge.
- Contineous development in line with the vision.
- Promoting research based programmes and events.
- Collaboration policy by involving stake holders and professionals for fulfillment of our vision and mission.
- Provides value embedded technical education for all-round development of students.
- To motivate faculty and students for higher education and research.
- To strengthen the institute through network of industry, academic and alumni.

**Aims & Objectives:-**

- Provides inclusive technical education so that a deserving student is not denied an opportunity for technical education solely on socio economic constraint.



- Provides holistic education to develop skills, knowledge and value through well structured curriculum and instructions.
- To make students readily acceptable to the cooperate world and promote entrepreneurship.
- Institute has vision and mission which are innovative in nature. It fulfils the needful requirement of society by providing quality education through contemporary technology.
- Institute is renowned for producing university toppers amongst those admitted from rural areas.
- Institute promotes the senior faculties for quality improvement and higher education like Ph.D. and also for research activity.
- Institute has own solar power plant which is an eco-friendly project where students can perform research activities.
- Students undertake the projects sponsored by industries in Sinnar, Satpur and Ambad MIDC Nashik.
- The institute has GATE qualified students.
- The institute has eminent global alumni interaction that supports for training and placement.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 6.1.2 The institution practices decentralization and participative management

#### Response:

**Decentralization management** :- The Institute supports a trend of decentralized governance system with proper well defined inter-relationships. The management of the institute has main two basic committees, governing body (GB) , Local Management Committee (LMC) and chairman, principal and HOD

#### Participative management

The institute always promotes the culture of participative management by involving staff and students in various activities. All decisions of the institution are governed by management.

#### Case study : - Academic Monitoring Committee (AMC).

#### Role:

Academic Monitoring Committee (AMC) is centralized (college level) committee responsible for supervising, modulating and executing the various academic actions & guidelines. It is purposely form for continuous & reliable conduction of academic work all through the institute.

#### Committee Member Hierarchy:

AMC is headed by chairman, who is the Principal of the institute. Other members of the committee are Dean of Academics, Head of Departments and subjects expertise for respective subjects, class teachers, exam in-charge and Guardian Faculty Members (GFM).

#### **Activities conducted by AMC:**

Teaching learning process monitors by AMC. It prepares the academic calendar of the institute, which is a mirror image of University's academic calendar that includes curricular, co-curricular and extracurricular activities. Academic calendar is intensively planned and prepared in advance by dean of academics and ensures the proper implementation of the academic calendar. Dean of academics is responsible for confirmation and observation of academic activities. Dean academics prepares the uniform formats for lab plan and teaching plan. Dean of academics confirms lab and course file audit, does defaulter counselling, takes action against findings, issues appreciation and show cause notice and gives input to IQAC. This activity done by AMC before commencement of semester and in the middle of semester, arbitrary confirmation of attendance once in a month, ensures student and faculty uniform and ID card and takes action on defaulter students and gives feedback to Principal. Class teachers ensures continuous conduction of practical and lecture of respective class, prepares roll call list, does result analysis and syllabus coverage once in every month. Based on this report class in- charge conducts average, slow and advance learner activity at class level and gives feedback to department AMC coordinator. The Departmental AMC coordinator informs for the extra classes for slow learners for their academic improvement. At end of semester the AMC committee visit every department and verify the continuous assessment sheet, theory and practical attendance sheet of all subjects.

#### **Result:**

The AMC conducts the meeting periodically for the discussion of issues and challenges for the development aspects of institute through proper channels i.e. through parent-teacher meet, alumni meet, class teachers meetings, student feedback system and through other various committee meetings, institute encourages teachers, students, parents, corporate resource persons, employers, alumni, staff, class coordinators and class representatives to share their ideas, opinions, suggestions,. The feedback received from various stakeholders of the institute is reviewed and those which are in line with our institute's vision and mission statements are considered by the AMC for further decision making.

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## **6.2 Strategy Development and Deployment**

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

#### **Response:**

The institute has prepared a strategic plan to fulfil infrastructure of the institute, academic development,

extra curriculum activities, sports, culture and defined targets for the infrastructural facilities and academic development of the institute. These targets have been set with extensive consultation with all stakeholders, staff, faculty, alumni, management and the industry. Perspective plan of the institute executed building of earthen dam for water harvesting. Installation of 100 KW solar power plant.

### **One activity successfully implemented based on strategic plan:-**

Renewable energy sources are of clean, inexhaustible and increasingly competitive energy. To maintain the eco-friendly environment, the solar power plant was installed in PRE's SVIT the year of 2015. The plant has capacity of 100KW with latest inverter technology. The plant is designed & erected by TATA Solar Ltd, Mumbai. The total cost of plant is more than one crores. The solar system consisting solar modules, module mounting structure, array junction box, Inverter AC distribution board. The solar power plant consisting two different capacity solar array modules.

#### **1.68 KW SPV Grid Connected system:-**

It consist of 267 PV modules, 02 grid tie inverter for 30 KWp array, MPPT range 480V to 800V DC, Three phase output (Delta make RPI Series) with data logger.

#### **1.32 KW p SPV Grid connected System:-**

It consist of 127 PV modules, 01 grid tie inverter for 30 KWp array, MPPT range 480V to 800V DC, Three phase output (Delta make RPI Series) with data logger.

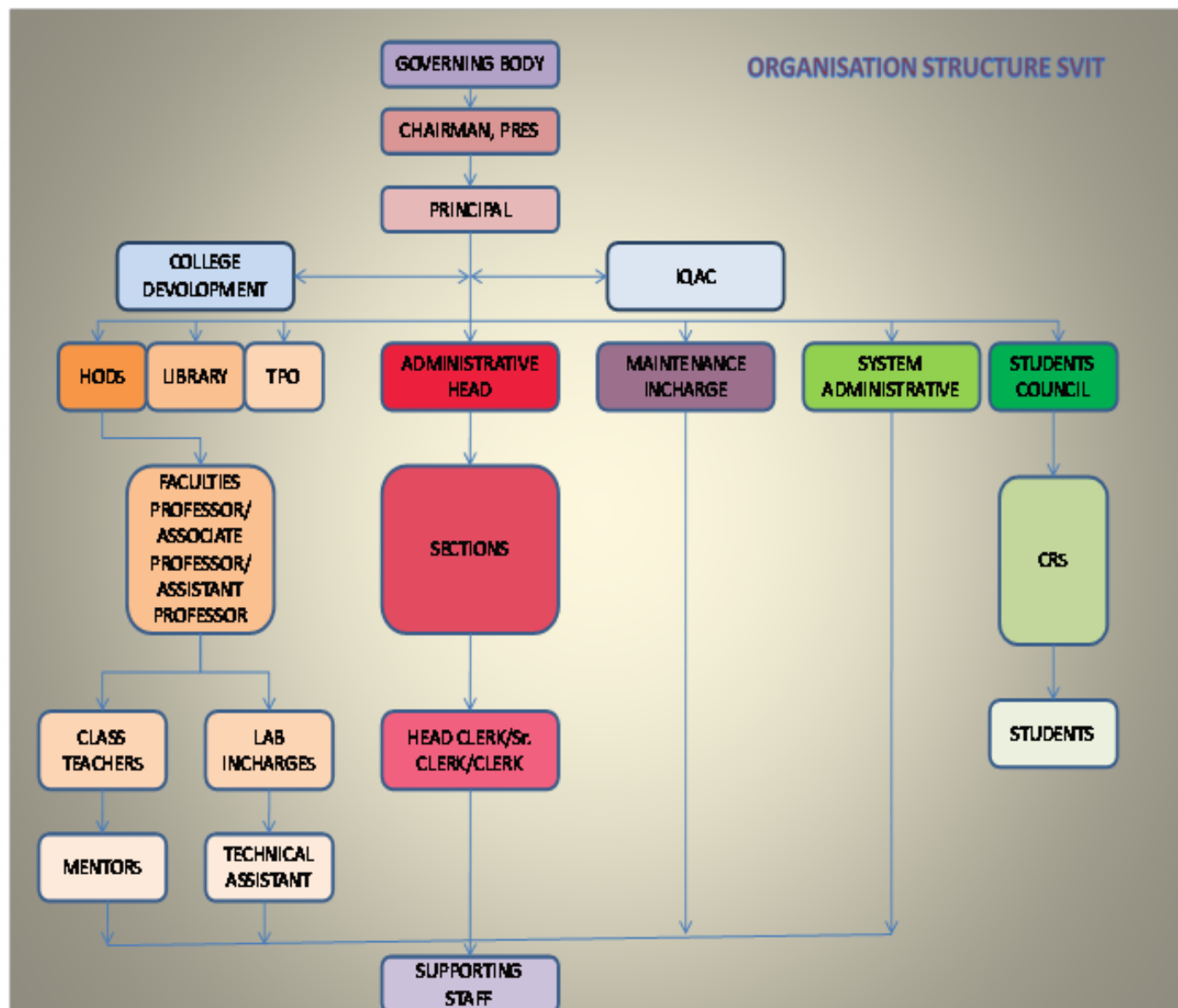
The system is on load grid connected system. The operating temperature range is 20 to 60 degree centigrade full power up to 40 degree centigrade. And plant is installed with MPPT system, so due to this power generation increased and nominal power range is 30KVA- 50 KVA. Inverter are with advanced technology which gives reliable power output with THD < 3% and maximum efficiency in the range of 98.2 % - 98.6 %. The plant is fully automated of advanced online communicating system with data logger system of TATA solar portal. After installation the electric power is feed to MSEDCL through ABT based net metering system. The plant is fully equipped with protective switchgears & personal safety. And in the year of 2017 the underground distribution system is erected for power distribution. Due to this the T & D losses minimized in compared with overhead distribution system. The power factor also increased. The plant is regularly control, analyzed & maintained by electricians & wireman's. Now SVIT fulfilling the 100 KW demand of MSEDCL through renewable energy and playing most important role in the field of green energy.

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>
Strategic Plan and deployment documents on the website	<a href="#">View Document</a>

### **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:



<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 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:** C. Any 3 of the above

File Description	Document
Screen shots of user interfaces	<a href="#">View Document</a>
ERP Document	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation Planning and Development, Administration etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:**

Institute has form following committees/ cells for observed grievances in campus and hostel.

1. Governing body
2. College Development Committee (Local Managing Committee)
3. Grievances addressal and discipline committee (Staff and Students)
4. Internal Complaint Committee
5. Woman health care and personality development cell
6. Student welfare cell.
7. Academic monitoring committee.
8. NAAC steering committee.
9. IQAC cell
10. Anti- ragging committee.
11. Alumni

Example:

One of the main agenda was construction of dam for water harvesting at SVIT campus, sinnar. The

implementation of work of dam construction started at AUG 2016 and almost all the work completed at June 2017

### **1. Location of Institute**

The campus of Pravara Rural Education Society's Sir Visvesvaraya Institute of Technology, Nashik is situated at the South-west direction of Sinnar city near to Chincholi village on the Nashik- Pune Highway.

**Data collection-** As the Chincholi is located at 10 km away from Sinnar city. Average annual rainfall for this area ranges between 500-750 mm per annum.

### **1. Dam Specification**

**Catchment area of dam** –1,21,450 Sq.m

**Size of tank** = 400ft X 27ft X (10.25) ft.

**Capacity of Dam-** 50 lac litre

**Consumption of harvestable rainwater** = 1.5 lac Lit/annum

**Cost of Dam-** = Rs. 9,00,000 /-

### **1. Safety features:-**

Safety majors are monitored by civil section. Cracks and alternative fissures may be remedied through rock grouting – that involves pressure pumping of concrete combine into weak broken rock. Animals and folks shouldn't access water directly from the dam, however the planning ought to incorporate water off-take structures to reduce human traffic and sound.

### **4. Maintenance of earth dams**

Earth fill dams need regular examination and maintenance. Associate in Nursing examination before spring runoff is essential to make sure the spill isn't blocked with snow or alternative material. All blockages should be removed to forestall over topping and therefore the dam laundry out. Throughout runoff, further inspections ought to be dispensed to look at for signs of abrasion, spill blockages or overtopping of the dam. Burrowing rodents like beavers, muskrats and gophers ought to be off from the dam straightaway. All potential issues should be repaired as presently as attainable to safeguard the dam. aspect slopes ought to be cleared of tree growth on an everyday basis.

### **5. Closing Remark**

As per the higher than report, rain water gather has been already enforced for the faculty building. we have a tendency to square measure utilizing the water for agriculture, spring water recharge yet as for drinking functions with filtration and purification plant.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 6.3 Faculty Empowerment Strategies

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

##### Response:

Satisfied employee is an asset for any institute and such employee can make the institute productive place, the management has given several welfare measures and schemes for the faculty, non-teaching staff and students. The existing welfare measures for teaching and non-teaching staff are listed below.

##### The institute has effective welfare measures for teaching and non teaching staff

The various schemes available for teaching and non-teaching staff of institute are:-

- Employee provident fund (EPF).
- Group Insurance Scheme (GIS).
- Transport facilities for students, teaching and non teaching staff.
- Concession in tuition fees for children of the employees.
- Permission for higher studies.
- Maternity leaves for female teaching and non teaching staff.
- Gratuity to teaching and non teaching staff.
- Promotion given to eligible faculty.
- TA and DA given to attend conference, workshop and seminar.
- Uniform is given to IV Class employees.
- One special room (ladies common room) is provided to ladies of our institute.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### 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: 17.36

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

2017-18	2016-17	2015-16	2014-15	2013-14
49	4	6	14	16

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 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:** 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

2017-18	2016-17	2015-16	2014-15	2013-14
6	4	5	3	2

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

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

**Response:** 47.05

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



2017-18	2016-17	2015-16	2014-15	2013-14
42	45	73	69	34

File Description	Document
IQAC report summary	<a href="#">View Document</a>
Details of teachers attending professional development programs during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

#### Response:

The institute has adapted annual self-assessment for the performance based appraisal system. Self-appraisal forms are filled by each staff member. The appraisal form contains general information, academic background, qualification up gradation, Workshop attended during the year, teaching –learning and evaluation related activities, Co-curricular & extracurricular activities, research & publications, number of academic & research projects carried out and other academic contributions.

This appraisal form is checked and assessed by head of department and accordingly remark is given by Head of department. Then personal interview is arranged with Head of department and principal for review and for setting the targets for next academic year and also to decide about increment and awards.

For Non- Teaching staff, the college conducts some exams which check the ability and talent of them. Then interview is conducted with Head of department and principal. Marks obtained during exam and interview is consider for the annual increment.

File Description	Document
Any additional information	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1 Institution conducts internal and external financial audits regularly

#### Response:

- External auditor is appointed by the parent trust who executes the statutory audit. Last audit was carried out in the month of 16th August 2018. No major irregularities were found in the audit and minor suggestions were complied.

- The internal auditors are appointed by the PRES Loni. The institution is having qualified practicing Chartered Accountant as an auditor who audits the accounts annually. After the audit, the report is sent to the management for review.
- Internal audit done particularly in respect to purchase transaction, reconciliation of exam fees and timely settlement of advances.
- No major audit issues and objections were been raised in the past four years reports.

- External Audit Summary:-

Sr. No.	Date Of Audit	Audit done by
1	16/08/2018	Kadam & Company
2	22/08/2017	Kadam & Company
3	05/06/2016	Kadam & Company
4	15/06/2015	Kulkarni & Khadilkar
5	26/06/2014	Kulkarni & Khadilkar
6	26-6-1013	Chaturvedi S.K.& Fellows

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

**Response:** 0.3

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

2017-18	2016-17	2015-16	2014-15	2013-14
0.3	0	0	0	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

#### Response:

The institute adopts the annual budget procedure with satisfied resources for repetitive and non repetitive required expenses (i.e. salary, research & development, staff development, maintenance, miscellaneous consumables etc.), learning resources (i.e. eBooks, magazines & journals) and development of new facilities.

- The main resources available from collection of student's tuition fee & development fee.
- The institute finalized the annual budget by collection the requirement from various departments.
- The institute allocates the fund department wise as per availability.
- The principal /Head of institute approves the budgetary requirement by doing inspection in presence of department/section heads.
- The faculty members of different sections/departments give their sections existing & future requirement in prescribed format to the respective section/department heads.
- The principal finalized the overall budget of institute and forward to the secretary for final approval.
- After final approval the standard procedure adopts for procurements.
- In the budget provision are also made for the any additional emergency expenses.
- The budget prepares on the basis on existing resources available in hand of institute.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 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:

The institute constitutes an internal quality assurance cell (IQAC) as per the guidelines of NAAC. The cell is represented by faculties of all the departments as per the office order of the institute. The institute exist a fixed policies on academic and administrative systems as per the standard set by the Pravara Rural Education Society with respect to the process of teaching and learning and evaluation system, maintain the

academic performance, faculties recruitment and qualification improvement, faculty appraisals, student and stake holder feedback with action taken etc. The Internal Quality Assurance Cell (IQAC) of the SVIT institute has been make an effort to develop good working culture, consistent functioning actions to enhance the academic and administrative performance of the institute to promote quality standards by institutionalization of best practices. The major efforts taken by IQAC are improvement of ICT based facilities in the departments, professional memberships like ISTE, IETE, IIChe, SAE memberships for the faculties and also inaugurate ISTE student chapter in the academic year 2017-2018, Enriching the library through establishment of tie ups with other libraries, promoting quality assurance policies in the institute, development of mechanisms and outcomes with the stakeholders by maintaining modifying teaching learning methodologies, updating college websites and through alumni meet, parent teacher meetings etc. Under skill development cell the various activities has been conducted continuously like online training module including communication and soft skill, campus to corporate grooming, adaptability culture, inter personal skill activities successfully completed through IQAC. Also academic and administrative audit of the all departments were carried out half yearly.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### 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:

IQAC takes review of teaching learning process in the institute through academic audit. It mainly comprises the Principal, Dean academics, Heads of departments and departmental senior faculty members as coordinators and members. A semester wise academic calendar and activity calendars are prepared by consideration of the university academic calendar before commencement of the term and instructed to follow and conduct activities as per the schedule in each department. Under the able guidance of the academic dean, committee's monitors the class wise, faculty wise, subject wise, instruction delivery etc. The main aim of these committee's is to monitor the teaching learning process, structures and methodologies implemented and learning outcomes at periodic intervals. The COs of each and every subject mapped with the POs and PEO's and analysis were done by continuous internal evaluation(CIS) sheet for all the subjects for their outcomes. The academic and administrative audit of all the departments is carried out half yearly to monitor the routine of departments by internal monitoring committee. Academic records verified by the internal monitoring committee like academic calendar, event calendar, department portfolio, teaching load, teaching plan, students practical and theory attendance, results, other activities records etc. The personal appraisals of the faculties has been taken yearly and reviewed and feedback given to the faculties for the academic improvements. The training and internship provided at the end of each semester for the improvement technical skills of the students.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

**Response:** 1.6

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

2017-18	2016-17	2015-16	2014-15	2013-14
08	0	0	0	0

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
IQAC link	<a href="#">View Document</a>

### 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:** C. Any 2 of the above

File Description	Document
Details of Quality assurance initiatives of the institution	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual reports of institution	<a href="#">View Document</a>

#### 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:

Our institution has progressed well in last five years. There are lots of improvements in infrastructures, improvements in library infrastructure, quality of students, quality of staff members, improvements in research & development, evaluation reforms such as continuous assessment implemented. Outcome based approach has been implemented ie careful study of the content of the curriculum and syllabi of all the UG/PG programs a set of, POs, and COs have been framed for each program. Faculty/Students are utilizing the NPTEL lectures and e-resources.

Teaching learning approach modified by implementing student centric approach with focus on self-learning implemented instead of traditional teaching learning approach. Teaching learning methodology modified by ICT tools in the smart classroom, instead of only using chalk and board method also learning material such as NPTEL Video are provided for better understanding. Curriculum enrichment by creating the academic booklets, Value added certificate courses started. E-resources generated in the college library and digital Library with Internet and Wi-Fi facilities along with ebooks, and e-journals. Also, to inculcate the research culture among the students small research project given among the students.

Administrative measures are taken care of by creating Internal Quality Assurance Cell to monitor the continuous progress of the institution.

Academic administrative audits of the institute carried out. Training for technical, supporting and office staff has been carried out. The awards and prizes are given to the deserving students. Reputed academicians and renowned Industry personnel visit the campus to enlighten the faculty and students.

On-line feedback on each course has been implemented, Incubation Cell has been initiated. The systematic procedure has been evolved to review the overall performance of the departments annually.

File Description	Document
Any additional information	<a href="#">View Document</a>

## 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:** 6

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

2017-18	2016-17	2015-16	2014-15	2013-14
2	1	2	1	0

#### File Description

#### Document

Report of the event

[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:**

In today's competitive world, an educational institute is not only responsible for providing the education of highest standards, it is also responsible for ensuring employment for its graduates. In order to fully prepare Pravara graduates for their careers, it has launched initiatives such as the personality development program, industry interactions, guest faculty from industry forums, and the language lab. The main objective is to ensure that our students have the personality, exposure, skills, and self-confidence to take on the most urgent challenges and assignments starting from day one of their employment. Institute has formed Internal Complaint Committee with objective to review from time to time the existing provisions of the constitution and other laws affecting women and recommend amendments so as to suggest remedial legislation measures. Also to aware boys and girls about Sexual Harassment.

Also campus, girls and boys hostel is secured by 24 hr. surveillance of CCTV.

Also counselling of students mentors help mentees learn the ropes at a college, develop relationships across the organization, and identify skills that should be developed or improved upon High Job Satisfaction.

Common rooms has been provided for the both boys and girls in the premises.

File Description	Document
Any additional information	<a href="#">View Document</a>

### 7.1.3 Alternate Energy initiatives such as:

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

**Response:** 15.81

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

Response: 2968

7.1.3.2 Total annual power requirement (in KWH)

Response: 18773

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 7.1.4 Percentage of annual lighting power requirements met through LED bulbs

**Response:** 4.54

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

Response: 1.035

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 22.79

File Description	Document
Details of lighting power requirements met through LED bulbs	<a href="#">View Document</a>



**7.1.5 Waste Management steps including:**

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

**Response:****E-waste management**

Old version computers are transferred to the schools run by our education society.

The major e-waste such as written off instruments/equipment's, CRTs, P\printers, computers.

Electronics gadgets,circuits,kits have been written off on regular basis and the sold out to buyers by auctioning.

Allthemiscellaneous-wastesuchasCDs,batteries,fluorescentbulbs,PCBsand electronicitemsarecollectedfrom everydepartmentandofficeanddeliveredforsafe disposal.

Useful partsofelectronicgadgetslikeresistors, capacitors, inductors, diodes, transistors,thermistorsetc.havebeenremovedfromthegadgetsforreuseinpractical/projects.

**Liquid Waste management**

- Liquid waste from the points of generation like the canteen and toilet etc is let out as effluent into a proper drainage facility and to avoid stagnation.

**Solid Waste Management**

Every day all the academic buildings and other surrounding area in the campusarecleaned byoutsourcingagency andthey separateoutwasteand dispose accordingly.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**7.1.6 Rain water harvesting structures and utilization in the campus**

**Response:**

**“Rain Water Harvesting Plan and Design at main building, Sinner”**

**1. Location of Institute**

The campus of **Pravara Rural Education Society’s SIR VISVESVARAYA INSTITUTE OF TECHNOLOGY, Nashik** is situated at the South-west direction of Sinnar city near to Chincholi village on the Nashik- Pune Highway.

**Data collection-** As the Chincholi is located at 10 km from Sinnar city. Average annual rainfall for this area ranges between 500-750 mm per annum.

**2. Dam Specification**

**Catchment area of dam** –1,21,450 sq.m

**Size of tank** = 400ft X 27ft X (10.25)ft.

**Capacity of Dam-** 50 lac litre

**Consumption of harvestable rainwater** = 1.5 lac Lit/annum daily

**Cost of Dam-** = Rs. 9, 00, 000 /-

**3. Safety features:-**

Dams can fail if the structure is breached or suffers significantly damage. Dams may also fail slowly through siltation of the reservoir or loss of water through seepage. If a dam fails due to structural weakness, it can cause extensive damage including fatalities and this should be avoided at all costs. It is therefore necessary to monitor signs of weakness such as cracks, submergence or seepage around the structure. Most dams are designed with mechanisms to permit the reservoir to be lowered or even drained in the event of such problem. Cracks and other fissures can be remedied through rock grouting – which involves pressure pumping of concrete mix into weak fractured rock. Small earth dams should be fenced and the catchment area protected from damage so as to reduce siltation damage. Animals and people should not access water directly from the dam, but the design should incorporate water off-take structures to minimize human traffic and trampling. Communities must be trained on the acre, utilization and management of the dam.

**4. Maintenance of earth dams**

Earth fill dams require regular inspection and maintenance. An inspection before spring runoff is critical to ensure the spillway is not blocked with snow or other material. All blockages must be removed to prevent overtopping and the dam washing out. During runoff, additional inspections should be carried out to watch for signs of erosion, spillway blockages (ice or debris) or overtopping of the dam. After the dam is free of snow, a visual inspection can be completed to assess the slopes for erosion, rodent damage, seepage or

slumping. Burrowing rodents such as beavers, muskrats and gophers should be removed from the dam immediately. All potential problems must be repaired as soon as possible to safeguard the dam. Side slopes should be cleared of tree growth on a regular basis.

## 5. Concluding Remark

As per the above report, rain water harvesting has been already implemented for the college building. We are utilizing the water for gardening, ground water recharge as well as for drinking purposes with filtration and purification plant.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 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:**

#### Green Practices

#### Initiatives by College towards Sustainable Environment

##### Public Transport:

As college is located 8 km from City College having 13 buses from the various corners of the city that encourages students and staff to use transport facilities as it may help saving environment, leading to safe and secure life in turn will benefit all.

##### Tree Plantation

Tree-planting is the process of transplanting tree seedlings, generally for forestry, land reclamation, or landscaping purpose. It differs from the transplantation of larger trees in arboriculture, and from the lower cost but slower and less reliable distribution of tree seeds.

In silviculture the activity is known as reforestation, or afforestation, depending on whether the area being planted has or has not recently been forested. It involves planting seedlings over an area of land where the forest has been harvested or damaged by fire, disease or human activity. Tree planting is carried out in many different parts of the world, and strategies may differ widely across nations and regions and among individual reforestation companies. Tree planting is grounded in forest science, and if performed properly can result in the successful regeneration of a deforested area. Reforestation is the commercial logging industry's answer to the large-scale destruction of old growth forests, but a planted forest rarely replicates the biodiversity and complexity of a natural forest.

Because trees remove carbon dioxide from the air as they grow, tree planting can be used as agro engineering technique to remove CO<sub>2</sub> from the atmosphere. Desert greening projects are also motivated by improved biodiversity and reclamation of natural water systems, but also improved economy and social welfare due to increased number of jobs in farming and forestry. College has planted the trees campus area to make it more environments friendly. College conducts many tree plantation programs to encourage students and staffs for not only plantation the trees but also nourish them to maintain environmental balance.

### Plastic Free and Paper Free Campus

Concept of plastic free and paper free campus can be successfully implemented in the college. Management need to take initiative to make the policy for same. It will help to do reduce the use of plastic and papers which will be a good contribution towards sustainable environment

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

**Response:** 0.46

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)

2017-18	2016-17	2015-16	2014-15	2013-14
0.107	1.867	3.418	4.311	1.333

File Description	Document
Green audit report	<a href="#">View Document</a>
Details of expenditure on green initiatives and waste management during the last five years	<a href="#">View Document</a>

### 7.1.9 Differently abled (Divyangjan) Friendliness 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:** D. At least 2 of the above

File Description	Document
Resources available in the institution for Divyangjan	<a href="#">View Document</a>
link to photos and videos of facilities for Divyangjan	<a href="#">View Document</a>

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

**Response:** 10

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

2017-18	2016-17	2015-16	2014-15	2013-14
2	2	2	2	2

<b>File Description</b>	<b>Document</b>
Number of Specific initiatives to address locational advantages and disadvantages	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 6

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

2017-18	2016-17	2015-16	2014-15	2013-14
2	1	1	1	1

<b>File Description</b>	<b>Document</b>
Report of the event	<a href="#">View Document</a>

#### 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

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	<a href="#">View Document</a>

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

**Response:** Yes

<b>File Description</b>	<b>Document</b>
Provide URL of website that displays core values	<a href="#">View Document</a>

**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	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** Yes

File Description	Document
Any additional information	<a href="#">View Document</a>
Provide link to Courses on Human Values and professional ethics on Institutional website	<a href="#">View Document</a>

**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	<a href="#">View Document</a>
Provide URL of supporting documents to prove institution functions as per professional code	<a href="#">View Document</a>

**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:** 12

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

2017-18	2016-17	2015-16	2014-15	2013-14
4	2	2	2	2

File Description	Document
List of activities conducted for promotion of universal values	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

#### Response:

Institution Organizes National Festivals and Birth and Death Anniversaries of great Indian Personalities with enthusiasm. Our students are on a mission towards better India by breaking the boundaries of religion and caste. Thoughts of great Indian personalities sowed into the young minds through the exhibitions and programmes conducted on these days. The institution practices pluralist approach towards all religion functions and encourages the students and faculty to showcase the same. Every year our institute organizes the national festivals and birth / death anniversaries of the great Indian personalities. Staff and students get to know the importance of national integrity in the country in general and their role in it in particular.

1. Republic Day- Republic Day is celebrated on January 26 to commemorate the adoption of constitution. On this day, various formal events including flag-hoisting and march-past are organized and which are followed by “constitution awareness program” in which students and staff members got information of their duties towards our nation and rights given to them by our constitution. By organizing such type of events institute does its share to immersed patriotism and awareness to next generation.

2. Independence day- It is celebrated every year along with all other Pravara Educational institutions. It is a grand event marked with the flag hosting by the Chief Guest and well-practiced march-past by many teams of Security Personals. cultural activities related to independence movement are exhibited

3. Teachers day :- Dr. Sarvpalli RadhaKrishnan Birth Anniversary- On 5th September, we celebrate Dr. Radhakrishnan's birthday as Teacher's Day with great fervour. The students organize a programme for the teachers and the Guru-Shishya parampara is celebrated.

4. Mahatma Gandhi Birth Anniversary.- A standout amongst the most mainstream events in India and one of the three national occasions, Gandhi Jayanti is praised in our Institute on 2nd October of consistently to stamp the birth commemoration of Mahatma Gandhi. Gandhi was additionally famously known as the Father of our Nation, Bapu or basically Mahatma. The day is announced as a national occasion and all institutes and workplaces are closed on this celebration. The standards of truth, peacefulness and trustworthiness are recalled and generally plugged among the students of the institute.



5. Ekata Divas (Birth Anniversary of Sardar Patel)- it is celebrated as National Unity Day.

6. Engineers day (Birth Anniversary of Sir Visvesvaraya) - We celebrate this day on 15th September consistently as an exceptional tribute to the best Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya.

File Description	Document
Any additional information	<a href="#">View Document</a>

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

**Response:**

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

**Response:**

The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions; the following are the few means which shows the means of transparency:

Our Institute is governed by Savitribai Phule Pune University, so the institute abides by the terms of the university.

Admission is an online process which is strictly on the basis of merit in accordance to the government reservation policies.

There is academic committee in the college which monitors every academic activity of the college.

Important notices regarding college are regularly posted in the college website to ensure complete transparency in all its functioning.

The institute maintains transparency in its financial, academic, administrative and auxiliary functions.

It has proper system outline taking care of ethical and human values responsible for transparency. The institute's financial transaction Audits are being carried out yearly by external auditor.

There is anti-ragging committee in the college for prevention of ragging.

There is Mentoring committee for personal counseling of students.

It ensures that all the financial transactions, reports and documents are completed with integrity. Institute presents timely and accurate information to the University community, alumni etc as well as state government.

File Description	Document
Any additional information	<a href="#">View Document</a>

## 7.2 Best Practices

### 7.2.1 Describe at least two institutional best practices (as per NAAC Format)

#### Response:

#### Best Practice -I

##### 1. Title of the Practice: Mentorship Scheme

##### 2. Goal

- To plan Personal and career goals of students.
- To improve presentation skills/written skills and oral communication skills.
- To improve general aptitude test/technical quiz proficiency.
- To develop leadership qualities.
- To know resume writing and preparations for mock interview.
- To monitor overall progress of students during his/her graduation.

##### 3. The Context:

- Along with the adaptation of good teaching learning process, which enhances the technical knowledge of students, Institute has designed innovative methods for the overall personality development of the students.
- Through Mentorship scheme- institute has developed systematic road map for improving the different aspects of personality developments, Communication Skill, Presentation Skill, Team Work, leadership qualities, resume writing, etc. and make them ready to face the challenges in industry.
- The students lagging in any of the above mentioned skills are eager to participate in the different activities planned under the Mentorship Scheme to develop themselves.
- The objective of Institute to implement mentorship scheme is to provide training and guidance to undergraduate students in all disciplines, increase the participation of all undergraduate students from F.E to BE in the different activities conducted by the Institute, which will be useful to them in their life after graduation.
- Faculty who serve as mentors make a valuable contribution to the education and training of undergraduate students interested in hands-on experience in different activities. Students judge the

experiences primarily by their interaction with their mentors. Thus, the role of faculty member in scheme is crucial to the program's success.

#### 4. Practice:

- In the mentorship scheme a Teacher (mentor) is allocated with group of approximately twenty students (mentees). Around five students from each year i.e. F.E, S.E, T.E and B.E to form a group of twenty.
- Mentor meeting is conducted once in an alternate week. Various activities like career goal setting, presentation skill, communication skill, resume writing, aptitude test etc. are conducted in the meetings.
- Along with these activities, mentor has to keep the academic record of the mentees allotted to him in terms of their monthly attendance, academic results, co-curricular participation within and outside campus etc. and inform the same to the parents.

#### 5. Evidence of success:

- The evidence of success of mentorship system is reflected through the overall personality development of students.
- Those students who had lack of confidence, weak in communication, poor presentation skills, were observed having marginal improvement in the lacked areas when they came to final year.
- Parents were happy to have a system where, the overall progress of their ward is monitored and informed to them timely right from the first year till the candidate completes his/her engineering.
- There is a marginal increment in the number of students participating in various events held within and outside the college, since the implementation of Mentorship Scheme.

#### 6. Problem Encountered and Resources required:

- The institute being situated in rural area the students are not that much exposed to the current enhancements. To overcome this mentors play an important role by making them aware of the same.
- To mould the students' mentality towards improvement in their personality without hampering academics was a difficult task.

#### Best Practice-II

1. **Title of the Practice:-**Students Associations of Department and College.

2. **Goal**

- To develop personality, communication skill, awareness about different types of entrance exams and interview, and to develop skill to qualify various competitive exams.

- To develop awareness about sports and physical fitness.
- To conduct useful courses and technical seminars & workshops as per the current industry need.
- To organize various activities like programming contest, technical quiz, debate competition, personality contest etc. that will not only enhance the technical abilities and knowledge among the students, but also builds the overall personality skills of the students.
- To organize events like project competition, paper presentations etc.
- To develop awareness about participation in different events held at state, national and international level.

### 3. **The Context:**

- It is platform for students to participate actively in the activities conducted by students' associations.
- Each department of college has its own students' association and college also has its own students' association called as 'students Council'.
- These associations are working on methods of 'for the students, by the students and from the students' means these associations are made by students for students development.
- In the association students may work as volunteer on post such as Chairman/president, Vice President, Joint Secretary, treasurer, Ladies representatives and Executive members. They are selected from students by inviting applications from interested students.

### 4. **The Practice:**

- After formation of association the activities are planned for a semester. While making plan different suggestions from student and faculty members are considered in a meeting. For every activity a team is formed including a faculty and students. The team is responsible for conducting the activity.
- Students' associations are planning for at least 18 activities each year and such activities are sports, technical activities and non technical activities.

### 5. **Evidence of success:**

- The Students who are participating in activities are appreciated with certification and prize. Attendance of participating students is maintained with the signature of event incharge. Notices has been circulated through college about conduction of activities so that students can take active part in activities.
- **Students involvement:** Students are actively participating in different activities, it makes a positive improvement in students like personality development, communication skills, management skills, programming skills etc.
- **Teamwork:** As students and faculty work together, it builds team spirit among students. It also helps for faculty since students are having innovative ideas. Bonding is formed among students and faculty. It helps in many perspectives for students.

### 6. **Problems Encountered and Resources required:**

- Students are hesitating to take part in activities because of lack of confidence and daring.
- Feeling burden of academics to participate in activities.

- To motivate students for participation is challenge.

### **Best Practice- III**

#### **1.Title of the Practice : SVIT TECHFEST: National Level Technical event and Project Exhibition**

#### **2 Goals:**

- To promote academic-industry interaction and foster collaboration.
- To expose students to state of art technologies.
- To encourage students to become Entrepreneurs.
- To encourage students to opt Research and Development as career.
- To encourage students to the area of Intellectual Property Rights.
- To provide mentoring to engineering students from professionals.
- To enhance teaching learning process in Engineering Education

#### **3. The Context**

Innovation and creativity are the vital parameters for development of state-of-art technologies to meet challenges of globalization. In today's Knowledge Based Economy, role of upcoming Engineering Graduates will be of utmost importance. There is urgent need to motivate Engineering Graduates to opt their career in Research and Development to accelerate the economic development of country. Right from first year of engineering, students need to be exposed to recent technological developments and to be encouraged to solve day to day problems of industry and society. There is a need to provide more emphasis on project based learning and situation based learning. A National SVIT-TECHFEST and Project Exhibition, organized by the Department of Electrical Engineering of the institute is intended to give students a stepping-stone for entering into the engineering industry.

#### **4. The Practice**

- This event has a successful history of 2years
- It is open for engineering students of all disciplines across the country. It is a platform that allows interaction between industry professionals and students as well as offers the corporate sector a chance to assess the potential of engineering students.
- It is an event showcasing the efforts and expertise in creating innovative solutions to real-world problems by engineering students from all over India.
- The students exhibit their working models along with posters and presentations.
- Industry experts are invited as judges. They use structured evaluation methodology to avoid any bias in their judgment.
- The best three projects are selected by a panel of judges. Attractive prizes are given to the winners.
- Electronic and print media gives a wide coverage to this event.
- Many multinational companies showcase their state of art technology products during National Level Exhibition in addition to expert sessions.
- Funding is generated through the sponsorship given by the industries

## 5. Evidence of Success

- Over the period of time there is a significant improvement in the quality of projects exhibited in the event.
- Due to interaction of industry professionals, small and medium scale entrepreneurs with the participants and students involved in organizing committee, training and placement activity is accelerated and resulted in the improved placement.
- Some participants have gone for the IPR with their projects and are in the process of getting patents for the innovative project ideas.
- Some participants have developed their own products and started private enterprise.
- Enhancement in the application knowledge of students.
- Since all the projects presented in the exhibition are of very high quality, identifying the best projects seems to be a challenging task for the judges, as per their feedback.

## 6. Problems Encountered and Resources Required

- Since, the exhibition is open to all, people/crowd management is observed to be difficult job for the organizing committee.
- To provide adequate support and to fulfil diversified requirements so as to make the project functional on the eleventh hour is a big challenge to the organizing committee members.

### Resources Required

- Financial Support of around Rs.1,50,000/- .
- Arrangement of stalls with electricity connection, extension boards, regulated power supply, various measuring instruments, internet connection, tables and chairs for all the individual participants.
- Providing specialized requirements like water taps, compressed air, intercom etc.
- Breakfast, lunch and drinking water arrangement for judges, participants, faculty, guests and organizing committee members.
- Pedestal Fans and coolers, Vehicle facility to participants.

## Best Practice- IV

### 1. Title of the Practice : Alumni Association

#### Goals:

- To provide alumni with the opportunity for social and professional networking and career development.
- To promote a spirit of volunteering and co-operation amongst SVIT alumni in supporting the development objectives of Institution.
- To provide support to the training the students.
- Acting as ambassadors for the SVIT in promoting learning and helping with student recruitment

### 3. The Context

The Alumni Association of SVIT is registered with the Registrar of Society. The Alumni Association cell is in coordination with Training and Placement cell organizes alumni meet every year to review the activities of the current year and plan the activities for the forthcoming year. SVIT Face book page, departments WhatsApp group, Google-groups account, group email ID etc are available to connect with the Alumni and conduct the face to face Alumni interaction.

#### 4. The Practice

- Alumni Association of SVIT has opened Nashik and Pune chapters in 2018.
- Also conducted Alumni meets at Ahmednagar, Pune, Delhi and Las Vegas USA.

#### 5. Evidence of success:

- During the Alumni meeting, Alumni's and respective HOD's are interact with each other and give them information regarding currents industrial market and practices trends in which they work. Thus suitable improvements with respect to the infrastructure facilities and academic can be made in the institute.
- Senior Alumni's also interacted with the final year students and guiding them in preparing group discussion (GD) and interviews in core and multinational companies.
- Alumni are also guiding to the final year students regarding his projects.
- Alumni also help to the students/department to identify the industries for the students in plant training.
- Alumni take part into arrange the industrial visit to the students where they are worked.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 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:

Sir Visvesvaraya Institute of Technology is committed to usher in socio - economic transformation by providing inclusive innovative quality education of global standards to fully meet the expectations of the stake holders as initiated by the founding fathers.

Institute provides adequate infrastructure, equipment, machinery, amenities and sports facilities in harmony with nature. Industry institute interaction to provide adequate exposure to the students to the world of work. Enrich library and provide latest teaching gadgets and process to promote effective

teaching, learning. To provide holistic value based education and inculcate entrepreneurial abilities so that the students are well groomed in knowledge, skills and values to have the ability to face the challenges of the corporate world and life.

### **Distinctive features of institute:**

- Institute provided inclusive technical education so that a deserving student is not denied an opportunity for technical education solely on socio economic constraints.
- Institute provided holistic education to develop skills, knowledge and values through well-structured curriculum and instructions.
- Made students readily acceptable to the corporate world and promote entrepreneurship.
- Institute strictly follows academic calendar and covers 100% syllabus by following previous years question papers.
- Academic books consists of CO's, PO's of course, syllabus, question bank from each unit and previous years question papers with solutions.
- Parent-Teacher interaction meeting to enhance the moral of students.
- Departmentwise lecture series on cutting edge technology.
- Online feedback system to improve teaching learning skills.
- Career guidance and higher education counselling for bright future.
- Professional membership of student and faculty to imbibe corporate culture.
- Over 100 MoU's with industries and institutes.
- Student award function "Accolade" and sports eve "Footprints" to encourage students.
- The academic vigilance committee headed by the head of departments.
- Power backup given on the campus.
- The student NSS wing is active in order to imbibe strong social values in our students.
- The institute takes conscious efforts to create awareness about energy conservation and renewable energy usage among students. solar panels are used in the hostel and the college campus.
- Significant career guidance programs arranged by institute to guide rural area students by arranging campaigns nearby villages.
- Round the clock internet connectivity through dedicated 100 mbps Lease Line.
- Various social events carried out for enrichment of students.
- Pravara scholarship is provided to economical backward students.
- Mentoring scheme has developed systematic road map for improving the different aspects of personality developments, communication skill, presentation skill, team work, leadership qualities, resume writing, etc. and make them ready to face the challenges in industry.
- Departmental associations and professional bodies are established for student development.
- A National SVIT-TECHFEST and Project Exhibition, organized by the institute from last two years is intended to give students a stepping-stone for entering into the engineering industry.
- Transport facility is provided for staff and students.
- Internal complaint committee has established to prevent sexual harassment.
- Institute provided students prerequisite training develop competencies for the placement.
- Various personality development programs and health check-up camps are conducted under women's development committee.
- Institute has provided career development services to students with respect to higher education, opportunities for growth.
- Institute has provided e-resources to students and faculty maximize the use of the resource of the Library.



<b>File Description</b>	<b>Document</b>
Link for Additional Information	<a href="#">View Document</a>

NAAC

## 5. CONCLUSION

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### **Additional Information :**

Nashik is well known as a grape city with industrial hub and ancient historical places surrounding which gives the opportunities to settle and build their career in and around the city. The institute is located close vicinity of the city with lush green, noise and pollution free environment with modern renewable solar system implemented in the campus. Our campus also is well connected and very much approachable by air, rail and road. The institute surrounded by Sinnar and Nashik MIDC hubs, which not only helps the students to do their projects, internships but also to maintain strong industry-institute interaction on regular basis by each department.

The institute mainly focuses on effective teaching learning process by providing learning resources apart from departmental library, central library with more than adequate books. As digital library e-resources like e-journal, e-books, NPTEL video lectures, SWAYAM PRABHA (MHRD), and project and research reports are accessible to all members of the institution. We also have a membership of IIT Bombay Mumbai, British central library (BCL), National digital library (NDL) and Jaykar library of SPPU to maintain the extended quality education.

Our campus being Wi-Fi enabled with ICT environment along with LAN and intercom facilities. The infrastructure is maintained always clean and green with very good transport and bank facilities by the institute for all the stake holders. The facilities for sports, cultural and technical are provided to the students from time to time, to bring out their best talent in not only participating but also excellent organizing skills.

### **Concluding Remarks :**

The institute is committed quality technical education in rural area for economically backward students. Pravara education campus has transparent and well defined policies at all levels. Institute encourages and believes on decentralization for effective functioning of the various sections/departments. The management promotes to involve all responsible peoples in the decision making process. The institute has various committees to take care administrative, academic, anti-ragging, grievances etc. The concern committee meets regularly and deliberates and corrects the issues from time to time.

Each department have well defined academic calendar for smooth functioning of academic other activities. To bring out the abilities of the students, they are allowed to organize social, techno-cultural and sport events through their departmental associations. The feed from the students, parents, alumni and employer has been taken regularly and corrective actions implemented for overall growth. The students of all the departments have benefitted by counseling and conducting capability enhancement development schemes like career counseling, soft skill development, remedial coaching, bridge courses, yoga and meditation, personal counseling etc. for their overall development. The institutions inculcate discipline, moral and ethical values among the students for making them as good human being. The intension of the institute is to bring out the best among all the students and make them all rounder. The institute inculcates best practices to update the cutting edge technologies and preparing them as industry ready products. To accommodate variety of background students by providing financial help for needy students. The choice based subjects are offered for benefit of the students.

NAAC

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.2	<p>Number of certificate/diploma program introduced during the last five years</p> <p><b>1.1.2.1. Number of certificate/diploma programs introduced year-wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>21</td> <td>1</td> <td>2</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>1</td> <td>2</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Remark : As per the proof provided the number has been reduced.</p>	2017-18	2016-17	2015-16	2014-15	2013-14	21	1	2	0	0	2017-18	2016-17	2015-16	2014-15	2013-14	6	1	2	0	0
2017-18	2016-17	2015-16	2014-15	2013-14																	
21	1	2	0	0																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
6	1	2	0	0																	
2.3.3	<p>Ratio of students to mentor for academic and stress related issues</p> <p>2.3.3.1. Number of mentors            Answer before DVV Verification : 92            Answer after DVV Verification: 85</p> <p>Remark : As per the proof provided the number has been reduced.</p>																				
2.4.4	<p>Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years</p> <p>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</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>40</td> <td>1</td> <td>7</td> <td>2</td> <td>2</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>1</td> <td>1</td> <td>0</td> </tr> </tbody> </table> <p>Remark : As per the proof.</p>	2017-18	2016-17	2015-16	2014-15	2013-14	40	1	7	2	2	2017-18	2016-17	2015-16	2014-15	2013-14	0	0	1	1	0
2017-18	2016-17	2015-16	2014-15	2013-14																	
40	1	7	2	2																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
0	0	1	1	0																	
2.4.5	<p>Average percentage of full time teachers from other States against sanctioned posts during the last</p>																				

five years

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
4	7	1	0	1

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
1	4	1	0	1

Remark : As per the proof .

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

3.3.3.1. How many Ph.Ds awarded within last five years

Answer before DVV Verification : 8

Answer after DVV Verification: 0

3.3.3.2. Number of teachers recognized as guides during the last five years

Answer before DVV Verification : 1

Answer after DVV Verification: 1

Remark : The institute does not have Ph.D program hence changed.

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
240.48	339.74	458.05	653.96	445.87

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
240.48	339.52	458.05	339.96	441.37

Remark : As per the budget provided the number has been reduced.

4.2.6 Percentage per day usage of library by teachers and students

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

Answer before DVV Verification : 30721

Answer after DVV Verification: 30

Remark : As per the list.

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

Answer before DVV Verification : B. Any 4 of the above

Answer After DVV Verification: C. Any 3 of the above

7.1.9 Differently abled (Divyangjan) Friendliness 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)

Answer before DVV Verification : C. At least 4 of the above

Answer After DVV Verification: D. At least 2 of the above

Remark : Picture of rest room is not given and picture of the lift is also not clear hence changed.

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
4	5	8	5	6

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
2	2	2	2	2

## 2.Extended Profile Deviations

ID	Extended Questions
1.2	Total Expenditure excluding salary year-wise during the last five years ( INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
240.48	339.74	458.05	653.96	445.87

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
256.86	339.52	458.05	399.89	441.37

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