



# **SELF STUDY REPORT**

**FOR**

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

**STMEI'S SANDIPANI TECHNICAL CAMPUS FACULTY  
OF ENGINEERING**

GAT NO.23,MAUJE- KOLPA, TAL AND DIST.LATUR, 413512,MAHARASHTRA  
413512

[www.sandipani.ac.in](http://www.sandipani.ac.in)

Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**February 2019**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Sandipani Technical campus - Faculty of Engineering Latur is pleased to present the Self Study report (SSR) to the National Assessment and Accreditation Council, Bengaluru .

Sandipani Technical campus - Faculty of Engineering is being run by Sandipani Technical and Medical Educational Institutes trust (STMEI'S). It was established on 09/04/2012.

Sandipani Muni as per Indian mythology, was the guru of Bhagavan ?r? Krishna.The Trust has adopted this name with a vision to develop and nurture the engineers who can take up challenges in technical field with original work and creativity.

Our institute has been imparting quality education in engineering covering 04 UG courses and 02 Diploma courses.

It is a self-financed engineering college and was affiliated to Swami Ramanand Teerth Marathwada University, NANDED till the Academic year 2016-17. From 2017-18 affiliation has been shifted to Dr.Babasaheb Ambedkar Technical University Lonere.

The institute is situated in an area of more than 10 acres and is located at Gat No.23, Mauje - Kolpa, Tal. & Dist. Latur.

Our institute is the first in Maharashtra to have a Hybrid Power Plant with a capacity of 50KW.

Our institute is ISO 9001:2015 certified by ROHS Certification Pvt.Ltd, Accrediated by Dubai Accreditation center (DAC).

We are one of the sister institutes of Vishwakarma Institute (VI Group) Pune under its academic support.

Our student Youth Club conducts various social, Sports and Cultural activities. To explore the inner talent of students we are organising various technical events like VCRP, MECHOTSAV, Poster presentation etc.

### **Vision**

### **VISION**

- To Achieve Excellence In Technical Education, Rooted Rurally To Produce Capable Graduate Engineers With An Aptitude For Research And Leadership.

## Mission

### MISSION

- To Strive For Excellence In Our Teaching - Learning Process.
- To Promote Excellence By Encouraging Creativity, Critical Thinking And Discipline.
- To Enhance Career Opportunities For Students Through Exposures To Industry.
- To Include Sensitivity Towards Society And A Respect For Environment.
- To Become Destination For Prospective Students Of Engineering.

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

### Institutional Strength

1. Open minded and Supportive Management
2. Academic alliance with Viswakarma group pune (VI pattern.)
3. Expert lecture series by VI faculties
4. ISO 9001:2015 certified institute.
5. Effective teaching learning process.
6. Excellent final year results with university rankers.
7. Young, dyanamic, experienced and motivated faculties.
8. Strong sense of social responsibilities among students and staffs.
9. Good faculty retention.
10. Encouragement to faculty and staff for perusing higher education.
11. First Green powered engineering institute in Maharashtra.
12. Digital classrooms with LCD projectors.
13. Transportation facility for students.
14. Ro system for Hygienic water.
15. Research paper publications by Faculties and Final year students.
16. Effective Training and placement cell.
17. The only college in vicinity to place students in MNC's and probably the first in Marathwada to offer placements within 3 years of establishment)
18. MoUS with industries.
19. Clean and Green campus.
20. Student centric environment.
21. Eco friendly campus.
22. Value adding extracurricular activities like VCRP, Induction training programs for faculty and students, workshops

### Institutional Weakness

1. Less no of PhD Faculties in each department.
2. Consultancy activities to be enhanced.
3. Undeveloped Research and Development domain.
4. Lack of support of industries.

## **Institutional Opportunity**

1. To get permanent affiliation of university.
2. NBA Accreditations.
3. Autonomy.
4. Improving placement and enterprenual activities.
5. Scope of establishing center of excellence with industry.
6. Job opportunities in nearby industries.
7. Scope for research addressing to local ,social and need based issues.
8. To get grants from Government and non-government agencies for rural development.
9. More no.of Consultancy projects.
10. Continuous improvement on every count and hence being in search of opportunities is the soul of our working.

## **Institutional Challenge**

1. To get 100% admissions.
2. Attracting High ranked students for admission.
3. To create engineering education awareness amongst students in nearby region.
4. Achieving 100 % result from first year.
5. Achieving 100 % placement.
6. Mostly students are from agricultural background so cannot afford paying the fees in single go and Government scholarships are not received in time which affects the financial health of the Institute.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

- The institute is affiliated to DBATU, Lonere from academic year 2017-18. Earlier it was affiliated to SRTMU,Nanded.
- We ensure effective curriculum delivery through implementation of Academic calendar, Teaching plans, Course files, Lab manuals, etc. Semester session commences before the university results to take care of number of working days. Faculty members use ICT tools, models, simulations, charts in regular curriculum delivery.
- faculty members participated in various bodies of the university such as Senate Member,B.O.S. Member, Paper setting ,paper assessment etc. University has introduced 68 new courses (including electives) during last five years across all programs conducted in our Institute. Programs with elective course based system are implemented in our curriculum and multiple electives are offered to the students.
- To create awareness, our curriculum includes courses on Human Values, Professional Ethics, Environment and Sustainability. 24 value added courses imparting transferable and life skills were offered during last five years.
- Structured feedback on curriculum is obtained from Students, Teachers, Alumni and Parents.Further feedback about curriculum delivery is collected from the students; analyzed and appropriate actions are taken.

## Teaching-learning and Evaluation

- Student centric teaching-learning process is implemented as a basic element of Institutional functioning. An effective evaluation system which assesses student abilities in all aspects is applied including continuous improvement. Admissions are carried out in accordance with the rules and regulations of DTE and State Government.
- Institutional level admissions are also carried out from the merit list of Government following due procedure. At institute level additional Scholarship schemes are provided to economically poor students. Dedicated, qualified and experienced teachers are committed to the development of students.
- Effective teaching-learning techniques are implemented for students of different learning levels. Innovative teaching practices such as use of ICT tools, NPTEL Videos, expert lectures, simulation tools etc helps students to learn complex subjects in a simple manner, enable students to think in higher order which makes them more creative.
- Training programs, workshops, internships and industrial visits are organized along with curriculum, to reinforce the learning of the students.
- Seminars, project work, assigned to each student at department level provides a platform to increase the scope for innovation and creativity which leads to the all-round development of students.
- The Teaching-Learning processes are implemented to increase global competencies and value system among students. Teachers are encouraged to attend conferences, workshops, paper presentations to improve their abilities. Teachers are assigned as mentors for overall development of students in all aspects.
- Our teaching learning process is helpful to the students as a result of that, three of our students has got university ranks in their respective Academic year and discipline.
- Contribution of stake-holders is taken into consideration for betterment of teaching learning process.

## Research, Innovations and Extension

- The Institute has Research and Development Center at institute level with an objective to support the innovative ideas of students and help them to nourish their concepts into effective project work. The Institute motivates students to do the productive work via these projects so that this can be beneficial to the society. Faculty members and students visit industries to identify real life problems and formulate projects based on these.
- To cultivate the research motive amongst students college provides facilities such as well equipped computer lab, wifi connection, well maintained library etc.
- The Institute encourages the faculty to attend as well as publish papers in National and International conferences, workshops, seminars by providing Duty leaves.
- TPO cell helps student community to identify various entrepreneurial opportunities. The institute invite eminent personalities from small and large industries and organize seminars and workshops with them.
- To impart and sensitize students towards social issues and holistic development and to move social responsibility from theoretical foundation to practical, the institute conducts various social activities which are beneficial for the neighborhood community.
- The major strength of our institute is its ability to ensure holistic development of students and to make them responsible citizens.
- The knowledge of intellectual property rights is required to all engineering students as everywhere and every time they come across the things created, invented, discovered and produced by some human mind. The Institute is very well aware about this and to cultivate the importance of IPR, arranges expert lectures for faculties and students.

- To promote Industry-Academia interaction the Institution has signed MOUs with industries like Saibabasugars, Subhash Agro Industries, Kale Industries, Cocubes, Cybercare, Kaveri Hospital ,Shubhalaxmi Foods.

### **Infrastructure and Learning Resources**

- The institute campus has a sufficient space which is utilized for various co-curricular and extra-curricular activities. It also satisfying the norms of the Statutory Regulatory Authority (AICTE). Institute has independent classrooms, tutorial rooms, seminar halls, drawing halls, workshop along with the well equipped laboratories and teaching aids like projector etc.
- During the annual gathering, we organize different days like saree day, dhoti day, filmy day, angel and devil day, traditional and patriotic day etc.
- Every year we conduct blood donation camp, tree plantation under eco activity ,societal awareness program ,SWACHAATA ABHIYAN in college campus.
- The Library of the institute has facilitated with fully integrated the Library Management Software -SLIM21 for the effective management of library. Library has 10,486 Volumes and 1294 titles, journals and magazines of more than five publications. Library has independent space of reading section for students as well as faculty.
- Institute has sufficient space for outdoor sports like cricket, football, volley ball etc. Indoor sports like carom, chess are encouraged. Canteen facility is available in the campus. RO purified drinking water is supplied.
- All computer labs are connected through a 100/1000 Gigabyte LAN. It has centralized server room with SonicWALL4500 Firewall/ Quick Heal, which shares & monitor internet facility.
- Adequate internet facility through lease line/Broadband is provided. We have 48-port two switch manageable, 24-port one switch manageable & 16-port switch unmanageable , one cloud core router-2011 RBT011 & we have 17 access point of Jio Wi-Fi. Updating of these are online as per the hardware devices. We provide the IT facility with 40 Mbps leased line in college premises. The whole system is regularly updated and maintained.

### **Student Support and Progression**

- Different Government scholarships and freeships are made available to the students of our institute. Also Institute offers, institute level financial assistance to the students having poor financial back ground.
- Expert lecture, career guidance, aptitude classes for Competitive Exam, soft skill development, personality development ,language laboratory are our regular teaching learning activities. Also effective

mentorship is done by faculty mentors.

- Grievance redressal committees like Student Grievances, Anti Ragging, and 'Vishakha' are established at our institution.
- Training and placement cell is established for campus placements.
- To have overall development of students, sports, cultural and extracurricular activities are organised in our institute.
- Student's Council is functioning in the institute to get the representation. We have alumni association established in 2018.

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

- The vision of the college is to achieve excellence in technical education and to achieve this; the mission of the institute is well connected. The departments have prepared their vision and mission in tune with that of the institute.
- Based on the Vision and Mission of the institute and inputs from various stakeholders, the Quality Policy was drafted.
- Governance of the Institution is carried out by the Top management, Principal, Deans, HODs and faculty members through the formation of different committees.
- The institute is more focused on environment friendly activities like solar and wind power.
- Priority is given for recruitment of suitable, competent faculty, training them to meet their teaching objectives, helping them realize their potential, rewarding high performing faculty and counseling low performing faculty based on their performance appraisal. Quality enhancement strategies like participation in induction programs, seminars, refresher courses, Faculty Development Programs, paper presentations in conferences, encouraging research etc. are implemented for faculty development.
- The management extends full support to enable such empowerment programs.
- As a commitment to quality, college has obtained ISO 9001:2015 certifications. IQAC, LMC to ensure quality in teaching-learning process.
- The institute has adopted implementation of e-governance in various forms and has been exercising cashless and paperless transactions.

### **Institutional Values and Best Practices**

- We treat each student as potential to perform their fundamental duty to make development in society. Institute promotes to conduct programs such as women awareness program, program on sexual harassment, women safety programs etc for women empowerment. The facilities like girls common room, ladies toilets with vending machine are also provided.
- Our institute is first Green Powered institute in Marathwada. Green Power plant is implemented to save energy and use conventional energy sources. Many students from other institute visit our green power plant for gaining knowledge.
- The staff members and students are motivated to plant trees to protect environment. Not only we contribute effort to conserve environment but also perform practices like vehicle sharing, use of public transport, bicycles, paperless office, use of whatsapp for common notices and communications Etc. so that to keep pollution free campus.
- Our institute provides higher technical education and job facilities to rural people nearby area.

- Our institute is an ISO certified so we work according to SOP implemented by considering higher authority bodies. We follow code of conduct and process flow chart to keep healthy working environment.
- The students associations are formed to perform activities which promote national integrity, universal values. Students from all departments performed activities/drama/dance on social intolerance, betipadhav, no shave November etc.
- Our students participated in national activities like Visakha cashless campaigning, swachhabharatabhiyan, tree plantation.
- We organize yoga day celebration, rajyog art of living programs to keep our staff physically and mentally healthy.
- We organize Virtual Campus Recruitment Program (VCRP) to make technical students familiar and competent with the recruitment process conducted by MNC's. The event will make students aware about their strengths, weaknesses and improvement to be done to develop their inter-personal skills.
- We performs several distinctive activities to improve learning process like Monthly review by Principal, project paper publications by students and so on. In last four years, two gold medalists from Electronics and telecommunication department and One university ranker were honored from Computer engineering department. Also we are aiming to improve our academic so that more number of students can achieve excellent grades and technical knowledge.



## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	STMEI'S SANDIPANI TECHNICAL CAMPUS FACULTY OF ENGINEERING
Address	GAT NO.23,MAUJE- KOLPA, TAL AND DIST.LATUR, 413512,MAHARASHTRA
City	Latur
State	Maharashtra
Pin	413512
Website	<a href="http://www.sandipani.ac.in">www.sandipani.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Buke Mohan Vaijanathrao	02382-263546	9423078955	02382-26354 7	principal@sandipa ni.ac.in
IQAC / CIQA coordinator	Tondare Santosh Manmath	02382-263548	9423720900	02382-	deanquality@sandi pani.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details

Date of establishment of the college	09-04-2012			
<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	Dr. Babasaheb Ambedkar Technological 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				
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>	10-04-2018	12	

<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	GAT NO.23,MAUJE-KOLPA, TAL AND DIST.LATUR, 413512,MAHARASHTRA	Rural	10	9888

## 2.2 ACADEMIC INFORMATION

<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	BTech,Mechanical Engineering	48	HSCDIPLOMA	English	45	8
UG	BTech,Computer Engineering	48	HSC DIPLOMA	English	45	4
UG	BTech,Civil Engineering	48	HSCDIPLOMA	English	45	4
UG	BTech,Electronics And Communication Engineering	48	HSCDIPLOMA	English	45	0

### 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	4				8				26			
Recruited	0	0	0	0	0	0	0	0	11	0	0	11
Yet to Recruit	4				8				15			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				36			
Recruited	0	0	0	0	0	0	0	0	23	13	0	36
Yet to Recruit	0				0				0			

<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				71
Recruited	46	25	0	71
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				10
Recruited	2	8	0	10
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.	1	0	0	0	0	0	1	1	0	3
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	32	10	0	42

<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	1	1	0	2

<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
Diploma	Male	45	0	0	0	45
	Female	10	0	0	0	10
	Others	0	0	0	0	0
UG	Male	239	0	0	0	239
	Female	203	0	0	0	203
	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	1	10	6	4
	Female	0	3	6	5
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	1	0
	Others	0	0	0	0
OBC	Male	0	9	12	12
	Female	0	6	13	8
	Others	0	0	0	0
General	Male	9	33	32	54
	Female	3	31	31	53
	Others	0	0	0	0
Others	Male	1	36	9	12
	Female	2	16	6	18
	Others	0	0	0	0
Total		16	144	116	166

### 3. Extended Profile

#### 3.1 Program

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

Response: 232

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
4	5	5	5	5

#### 3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
661	648	574	491	284

  

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
90	150	150	150	150

  

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
198	187	132	56	01



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
33	34	44	45	35

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
54	57	80	80	60

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

### 3.4 Institution

#### Total number of classrooms and seminar halls

**Response: 18**

#### Number of computers

**Response: 100**

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

2017-18	2016-17	2015-16	2014-15	2013-14
137.36	163.22	148.53	121.48	169.61

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

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

##### Response:

The institute is ISO 9001:2015 certified and all academic processes are implemented as per quality manual. The institute follows a very systematic approach to develop and deploy action plans for effective curriculum implementation in the manner given below

##### 1.Planning of Curriculum Commencement

- Prior to the commencement of Academic Year, the Institute's academic calendar is prepared by considering the affiliating universities schedule and the inputs of the Principal, Deans, HOD's, CR & ACR.

##### 2.Implementation of Curriculum in the Academics

- Academic dean shares the academic calendar to each department.
- HOD conducts internal departmental meeting and finalises the faculties work-load and departmental activities.
- Every faculty members prepare course file of allotted subjects and get verified by HOD, Academic Dean and HOI.
- Every month detailed unit wise implementation is verified by HOD, Academic Dean and HOI.
- The number of lectures planned and conducted facilitates the gaps, if any, and necessary corrective actions are taken.
- The effective implementation of curriculum is ensured by supplementing classroom teaching with expert lectures, seminars, Mini-Projects and Industrial Visits.
- At the end of every month students attendance is displayed on departmental notice board and students with less attendance are shortlisted and communicated to their parents .
- Two unit tests are scheduled by exam section. Additional assignments are given to judge the students understanding.
- During unit test, we collect the feedback from students for each subject-faculty.
- Following documents are maintained related to curriculum delivery
  - Academic calendar
  - Course file of each subject and its verification through HOD, Academic Dean and HOI.
  - Attendance record.
  - Test record and students feedback report.
  - Result analysis record. Result analysis is done after declaration of semester result of university.
  - Mentorship record. Teachers follow the mentorship to cater.
- The college organizes personality development program for students and induction training program for faculties.

- Well-equipped library facilities including E-journals, magazines, NPTEL video lectures etc. enables teachers to deliver the teaching effectively.

### 3. Interaction with University for Effective Curriculum Operationalization & Evaluation

- Faculty is involved in the process of syllabus settings, paper settings, paper assessment and as experts for practical examination.
- Conducted workshop for the betterment in the evaluation system with Pro V.C., COE, Dean Engineering & the subject experts of the various colleges.

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

**Response:** 3

##### 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
00	00	00	01	02

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:** 13.09

##### 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
00	02	00	00	03

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:** 29.74

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

Response: 69

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 programmes in which CBCS/ Elective course system implemented.

Response: 4

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:** 9.75

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
152	93	00	56	00

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:**

The university's present curriculum is composed of the above mentioned issues with the help of the courses like environmental engineering, industrial management, professional ethics, soft skills etc. Final year students are encouraged to present projects entitled crosscutting issues viz. green energy, bio-gas, water management, solar etc.

The institute has established separate cell for the girl's security by name VISHAKA committee. Under this cell we arrange different program & activities like women's day celebration, karate training & safety driving.

The institute encourages equal state in terms of opportunities, participation & decision making regardless of gender. Institute has established anti ragging cell to stop mental and physical harassment.

The institute takes additional efforts through Departmental council (MESA, CESA, CIESA, ETCSA) for making students sensitive towards societal issues. Departmental council organizes Tree Plantation Programs, Blood Donation Camps, etc

**LIST OF CORE COURSES:**

Sr. No.	Code	Name
1	BTHM104	Communication Skills
2	BTES105	Energy and Environment Engineering
3	CVA 301	Soft Skills Development
4	BTHMC306	Basic Human Rights
5	BTCOE405	Soft Skills and Personality Development
6	BTHM3401	Basic Human Rights
7	BTHM3402	Interpersonal Communication Skill & Self Development
8	BTHM3402	Interpersonal Communication Skill & Self Development
9	CE307	Environmental Engineering-I
10	CV 504	Environmental Engineering
11	CI207	Professional Communication
12	ECT306	Professional Ethics
13	CV 703	Water Resources Engineering
14	CV 503	Soil Mechanics
15	BT-MEC	Materials Science and Metallurgy
16	BT-MEC	Heat Transfer
17	BT-MEC	Metrology and Quality Control
18	BT-MEC	Energy Conservation and Management
19		Elements of civil and Environment Engineering

20	CE310	Water resource Engineering-I
21	CE401	Environmental Engineering-II

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

**Response:** 3

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

Response: 03

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

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

**Response:** 28.44

1.3.3.1 Number of students undertaking field projects or internships

Response: 188

File Description	Document
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**

**Response:** D. Any 1 of the above

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

**1.4.2 Feedback processes of the institution may be classified as follows:**

**A. Feedback collected, analysed and action taken and feedback available on website**

**B. Feedback collected, analysed and action has been taken**

**C. Feedback collected and analysed**

**D. Feedback collected**

**Response:** C. Feedback collected and analysed

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

##### 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
0	0	0	0	0

File Description	Document
List of students (other states and countries)	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

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

**Response:** 21.31

##### 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
43	17	59	62	110

##### 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
180	300	300	300	300

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

#### 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:** 17.82

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
10	13	22	38	44

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

## 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:**

The skills required for higher technical education are different from intermediate or diploma education. To upgrade the existing basic skills with higher order skill, it is necessary to assess the students. We have a streamline mechanism to identify the learning levels of the students. We are considering two grade factors for identifying the level of students. This system helps to identify slow learners & advance learners. Students from rural area have good technical skill but weak in aptitude. To compete with urban area students institute organizes aptitude classes for final year students.

**Students are identified based on:**

- Performance in Intermediate scores and diploma final year marks.
- Performance in mathematics test taken in the early days after joining.
- Performance in First Unit test.

**Special programs for Slow Learners:**

- The student Mentor assesses the nature of their problems and then motivates them in a friendly way to solve their problems.
- Individual counseling is done by the respective subject teachers for better performance.
- Extra classes are organized to clarify doubts and re-explaining of critical topics for improving performance.
- Appropriate counseling with additional teaching, eventually helps to attend classes regularly.

**Special programs for Advanced Learners:**

- Quick learners are identified through their performance in examinations, interaction in class room and laboratory.

- Subject wise meetings are arranged with faculty members to discuss critical concepts.
- NPTEL videos are made available.
- Subject teacher Encourages the students for Creativity.
- The Institute promotes independent learning that contributes to their academic and personal growth.
- Students are encouraged to participate in extracurricular activities, inter college competition, seminars, workshop etc.

### 2.2.2 Student - Full time teacher ratio

**Response:** 20.03

### 2.2.3 Percentage of differently abled students (Divyangjan) on rolls

**Response:** 0

#### 2.2.3.1 Number of differently abled students on rolls

File Description	Document
Institutional data in prescribed format	<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

**Response:**

The teaching methodology adopted by the teaching staff of Sandipani Technical Campus is channelized to provide the students to think beyond the curriculum prescribed by the University. Various activities are carried out to make learning more students centric are as follows:

#### **Experimental learning:**

- During lectures, PPT presentations, videos and animations are being used which make the session more interactive and informative.
- For laboratory courses, the laboratory manuals are issued.
- As a part of curriculum, final year students in a group of three to five carry out one full year project to provide the solution to a given engineering problem by applying the knowledge gained in three years of graduation studies.
- Industrial visit and site visit are arranged for students to give real time experience of industries as part of self-learning.

#### **Participative learning:**

- NPTEL videos are used for better understanding of concepts of various courses.

- Students are motivated to participate in events like VCRP, MECHOTSAV, PRAGYA, MINDSPARK etc. Students are encouraged to organize technical, co-curricular and extra-curricular activities.
- Industrial visits and interactive sessions with industrial experts are also arranged to make the students aware of the modern issues of the industry.
- Final year students are publishing their project work in National/International Journals/conferences.
- After completion of each unit by faculties, students are encouraged to present revision of same unit.
- Students are encouraged to deliver seminars on some points of curriculum.

**Problem solving methodologies:**

- Projects, seminars and assignments are the activities which improve self-learning ability of individuals.
- Doubt solving sessions and group discussions are arranged in practical hours.

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

**Response:** 127.27

2.3.2.1 Number of teachers using ICT

Response: 42

File Description	Document
List of teachers (using ICT for teaching)	<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:** 20.03

2.3.3.1 Number of mentors

Response: 33

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

**Response:**

For innovative and creative teaching-learning, following approaches/ methods are adapted by the institute:

1. **ICT Tools:** Faculty members use projector while conducting lectures. NPTEL videos and resources are made available to students by faculty members
2. **Simulation tools:** Faculty members uses simulation tools like matlab, xilinx, CATIA, C, C++ etc

during theory and practical sessions to deliver students real time knowledge.

3. **Library hours:** Library hour is provided in class timetable for students and students are motivated to refer magazines, soft skills books , project reports and newspaper.
4. **Expert lectures:** Institute invites experts from reputed industries and academicians to know current trends and advances in technology. This creates an interest in the minds of the students for further learning processes.
5. **Industry visits:** Faculty members arrange industrial visit for fulfillment of syllabus as well as beyond syllabus contents.
6. **Events:** Creativity is nurtured through the co-curricular and extra-curricular activities. Technical and non-technical events are a part of the academic calendar and are implemented meticulously. Institute organizes inter college and intra college technical contests and faculty members encourage students to participate in various events like VCRP, PRAGYA, MINDSPARK, Technofest, etc. Students who organize and participate in such events will get opportunity to exhibit and improve their creativity, management skills and problem solving abilities.
7. **Faculty Training Programs:** This program is conducted by the institute as training and up gradation of faculty members is very important for the overall development of teaching learning process. In this regards the institute is trying to keep faculty members updated with the latest technological developments in their field of interest. Faculty induction program is organized to give additional inputs related to teaching and learning process.
8. **Value Added Training Programs:** These programs are organized to promote critical thinking and creativity of students. To fulfill the gap between curriculum and current Industry requirements, value added training programs are designed with help of Industry and corporate experts. This helps to evaluate and prepare the students for up-gradation of technical and soft skills required as per current industrial scenario. The different value added training programs like Auto CAD, CATIA, C, C++, PLC, Embedded System, General and technical aptitude, Communication skills are conducted in each semester in all departments. Impact of this activity is reflected in increased number of placements. This also helps students to sharpen their abilities and get benefited to place themselves in various industries after completion of graduation.
9. **Projects:** Students are encouraged to take projects related to green campus including, solar energy , green audit as well as societal issues.
10. **Students Feedback:** In every academic semester, department takes students' feedback about teaching learning process. Feedback helps faculty members to understand the scope for improvements and also helps in result improvement.

This process helps the students not only to enjoy learning but also to acquire the necessary skills that empower them and develop their learning abilities.

## 2.4 Teacher Profile and Quality

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

**Response:** 69.56

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	<a href="#">View Document</a>

**2.4.2 Average percentage of full time teachers with Ph.D. during the last five years****Response:** 3.88**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
3	1	1	1	1

**File Description****Document**

List of number of full time teachers with PhD and number of full time teachers for 5 years

[View Document](#)**2.4.3 Teaching experience per full time teacher in number of years****Response:** 10.58**2.4.3.1 Total experience of full-time teachers**

Response: 349.2

**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:** 2.2**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	1	0	0	0

**File Description****Document**

Institutional data in prescribed format

[View Document](#)**2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years****Response:** 6.44

## 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
5	5	5	5	1

**File Description****Document**

List of full time teachers from other state and state from which qualifying degree was obtained

[View Document](#)

**2.5 Evaluation Process and Reforms****2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level****Response:****1. Unit Tests**

- At institute level Exam cell is established for smooth conduction of Internal Unit Test. Two unit tests are conducted in each semester as mentioned in syllabus at department level by Exam co-coordinator appointed by HOD. Each department's unit tests are conducted centrally as per Academic calendar. First Unit test of each semester is conducted strictly on first two units of syllabus. Second unit test is conducted on third and fourth unit from syllabus.
- If any student fails to secure the average minimum marks (as per university norms) in unit tests of a subject throughout the semester, then improvement test is to be conducted by subject teacher.
- Departmental exam coordinator prepares timetable and notify students of their respective departments about Unit test schedule by sending notice and also displaying the same on the departmental notice board.
- Departmental teaching faculties have to submit their subject Question papers in sealed envelope towards the Exam coordinator within specified duration. In case of failure to submit the question paper in the given deadline then it is reported to HOD/Exam in charge and further actions are initiated.
- Subject teacher should submit the result to Exam coordinator by completing paper assessment within three days of Unit test completion. The students can see their respective answer books and discuss their queries with concerned staff. Departmental coordinator should submit test result to HOD of concern department as well as Dean Examination.

**2. Term work**

- At university level practical subjects are assigned internal marks to track the student progress throughout the semester. List of practical exercise is given in university syllabus copy. The term work evaluation is done by respective course teachers. These marks are allotted to students after evaluation of practical exercises. Student should perform practical exercises of each subject as mentioned in the syllabus. Subject teacher conducts practical as per given schedule and duration in

timetable. Practical assignments are checked by subject teacher per week.

- After completion of all practical's final term work marks is the average marks of all assignments.
- Student can discuss any queries about term work with the concerned teacher.

### 3. Project Evaluation

- Project guide monitors and verifies the project completion status on weekly basis. Every month project diary is checked by HOD.

### 4. Soft skills and Aptitude Assessment

- Proper guidance is provided to student through trainers for their improvements. Student performance is also assessed by the external agencies like CoCubes.

### 5. Industrial Training Evaluation

- A faculty is assigned for each group. Evaluation of industrial training is done based on the report submission and viva.

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

### Response:

The weightage for the evaluation of internal assessment is communicated to students after the commencement of the semester. The internal assessment is made transparent through conduction of unit tests, assigning term work marks (including attendance, regular assignment (assessment)).

#### 1. Unit Tests

- Institute is ISO 9001-2015 certified and at institute level IQAC cell is established.
- To monitor the student progress, Institute has the continuous internal evaluation system which consists of internal assessment tests (twice in a term), Improvement Test and evaluation of practical exercises.
- Questions asked in Unit tests are based on previous University paper patterns along with weightage assigned to the concern topic. This helps students to analyze the subject and score the subject in Final Exam.
- After conducting Unit Test subject Teacher provides model answers to students.(through notice board/ In class/ Orally
- After assessment, Unit test papers are distributed in class to have an open discussion on covered topics. Students can ask their queries to subject teacher related with assessment during this session.
- After every Unit Test subject teacher displays test marks on Notice Board and a copy is submitted towards Exam coordinator (only after discussion with students)
- Institute communicates progress report of every student to their parents through his/her mentor
- After every Unit Test, Weak students are identified of each class by HOD and forwarded to Academic Dean in specified format and duration.
- Department wise action is taken for weak students( criteria mentioned as per ISO formats

attendance less than 75% and less than 8 marks in unit test ) through concern mentor and subject teacher.

## 2. Term Work

- Each subject term work contains 30% marks to the practical assignments performed by student during practical
- Student should verify previous practical assignment by the subject teacher in each practical.
- Each practical assignment may vary depending on contents and weight age assigned in syllabus (Ex: study practical contains overall concept which will analyze the topic. Implementation practical have algorithm, coding, input, output and snapshots of result).
- Term work marks are based on attendance (Theory and practical), Assignments, performance during practical sessions.

## 3. Assignments

- In order to prepare students for final Exam, at department level Unit wise assignments are provided to students by subject Teacher.
- Every assignment is different according to weight age and contents , as mentioned in syllabus
- Student should prepare a separate notebook for assignment of each subject and write all assignments in the same notebook throughout the semester.
- Students should verify assignments from subject teacher periodically (before every unit test). Subject teacher can give suggestions to students if any.
- During term work calculation 30% marks are reserved for assignments. This will help students to score more marks in term work.

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

#### Response:

All the students are informed regularly about the procedure, important dates related to internal and external examinations conducted by institute and university at appropriate time. The notices are circulated in all class rooms as well as displayed on the departmental notice boards. Students are provided an opportunity to clear their Exam related grievances for both internal exams and University exams

#### 1. Internal Examinations

- All students have to appear for two Unit tests conducted per semester on the syllabus as per mentioned by the subject teacher. Average marks of two Unit tests are conveyed later to University along with term work marks.
- Subject teacher distributes the assessed answer sheets to students in class room before submitting test result to Exam coordinator.
- During this session students can clear their exam related grievances with the subject teacher.
- After student satisfaction he/she sign the answer sheet and finally, test report is prepared and submitted towards exam coordinator as per mentioned schedule by Dean Examination.



- Unit Test marks of every subject are displayed on notice board, so that students can aware of test marks.

## 2.University Level

- During University Exams Student's Queries in question paper are solved through secure channel.
- After completing assessment of university examinations, results are displayed on university website first then mark sheets are send to various colleges affiliated to university.
- For the Students, those are not satisfied with their results at university level getting one more chance to clear their university examination related grievances.
- Application forms of various colleges' students are invited by university for availing photocopy of answer sheet as per schedule.
- Subject teacher can verify the photocopy and gives suggestion of paper revaluation if applicable.
- Student can apply for revaluation of concern subject as per the schedule mentioned by University.
- University appoints examiners for revaluation per subject. Examiners reassess the answer sheets and submit result, which then forwarded to various colleges as per schedule mentioned by university.

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

#### Response:

##### 1. Academic calendar

- Academic calendar is prepared with reference of university schedule displayed on web site.
- Dates of commencement of classes, term end, Unit tests, and holidays are mentioned in Academic calendar. Once academic calendar is finalized, a general meeting of all the faculty members is convened to focus on implementation of the listed activities with serious approach. This is also communicated to all the students at the start of academic year convincing them for their continuous participation and better results.
- Unit tests are conducted according to the schedule given in Academic Calendar..
- Subject teacher should complete the syllabus theory and practical before term end mentioned in Academic Calendar.
- To keep the track of teaching progress (syllabus completion) Periodically (monthly) course files should get verified by HOD, Academic dean and HOI.

##### 2.Feedback:

- To judge the performance level of teaching faculty, feedback is taken during every Unit test. Final feedback index is the average of two feedbacks taken during two unit tests. It is considered as a Performance index of the concern faculty.
- A feedback format containing different-aspect questions is supplied to all the students asking them

to put appropriate marks for each question. These feedback sheets are collected, compiled and analyzed for deciding weak and under-rated dimensions of teachers in their teaching. Such teachers are given clear instructions along with calling for explanations, asking them to overcome observed weaknesses and to adopt immediate corrective measures.

### **3. Continuous Assessment of Practical's:**

- The practical sessions conducted regularly according to the timetable covering list of experiments mentioned in the syllabus. Every Practical is assessed separately which includes components for assessment as attendance, participation, submission, spot viva, etc. Final marks are the average marks of all practical's performed by the student. At the final submission a student is able to know his total performance level as a result of term-work submission and its assessment.

### **4. Seminars:**

- Each student is asked to select a seminar topic from the emerging and developing areas of science, engineering and technology as per mentioned in syllabus. A student proceeds to work on his seminar topic under his guide and refers national and international journals, papers, magazines, bulletins etc. After the suitable up gradations and corrections to his work, he delivers seminar in the presence of experts, his guide and a group of students using presentation tools.

### **5. Field Training:**

- Every student chooses one such activity and study as to how projects are planned, designed, executed, developed. This creates the clarity about the knowledge and practices of interdependency between institute and industry. After completing Field Training student has to submit a complete report on his field training with relevant details. Students are assigned term work marks for Field Training on the basis of report and presentation.

### **6. Projects:**

- A student or his group have to select project topic which covers aspects as literature survey, reviews, current practices, further Modifications. Final report is submitted at the time of submission. For evaluation, an examination is conducted on this component carrying certain weightage of marks.

## **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:**

Students and faculties are made aware of PSO, POs and COs by following ways

- PSO's and PO's are displayed in departments and discussed in departmental presentations.
- All most all CO's are included in the university syllabus of each course, if not then respective faculty prepare the course outcome in particular format given by academic section.
- Learning outcomes are specified in the course file of faculty.
- Every faculty explains the learning outcomes to the students at the start of every course.

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:**

**Attainment of CO:**

- Institute conducts department wise UT-1, UT-2, and after completion of exams, results are displayed on notice board.
- Various technical events, Mini-projects and workshops are organised to check the learning outcomes.
- Department conducts the chapter wise test on each chapter for all the subjects in each semester.
- Continuous assessment of students is done via practical session by asking question to the students and taking group discussion on a particular concept in theory and practical hr
- Based on performance in internal assessment, subject teacher and mentor take corrective actions
- Subject teacher gives extra assignment and conduct remedial classes for slow learner
- On the other hand academic monitoring by HODs and Principal also ensure achievement of learning outcomes through university result.

**Attainment of POs , PSOs :**

Basic purpose of imparting quality education will be served only when teaching learning process keeps on evolving itself, resulting in Creative, Innovative and Employable graduates. Therefore it is necessary to measure and analyze attainment level of program specific outcomes and program outcomes. The Institute ensures to facilitate every student to achieve all learning outcomes by providing them all necessary inputs required.

During teaching and learning process, one of an important aspect of outcome-based education is using the appropriate method for assessing students' achievement. Indirect assessment may train students to be responsible to monitor self-capability and self-achievement, thus similarly in evaluating an individual programme. The indirect assessment for the achievement of POs for both programmes consists of various components:

- Project Exams evaluation through External Faculties.
- Evaluation to determine achievement involving a survey on the alumni.

### 2.6.3 Average pass percentage of Students

**Response:** 76.14

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

Response: 150

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

Response: 197

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

## 2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

**Response:** 3.37

## 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:** 0

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	0	0	0	0

**File Description**

**Document**

List of project and grant details

[View Document](#)

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

**Response:** 0

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

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

Response: 240

### 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 baby is kept in the incubator sometimes for first few hours and maybe days - this gives that baby a chance to adjust to outside environment, and grow stronger before he/she faces the outside world. In the similar way, at STMEI'S STC, faculty of Engineering takes care of the students and provides them the chance to shape their career. The faculty members take up research activities utilizing the existing facilities. Faculties Motivate students to undertake research projects.

The institute has formed R&D cell headed by Dean R&D. Each department is having one R&D co-ordinator.

**Table 3.2.1**

Sr.No.	Name	Designation	Position
1	Dr. M.V.Buke	Principal	Chairperson
2	Prof.A.S.Deshpande	Asst.Professor,CE Department	Dean R&D
2	Prof.S.D.Panchal	HOD,E&C Department	Member
3	Prof. D.S.Hasbe	HOD,Mechanical Department	Member
4	Prof.S.B.Kulkarni	HOD,CE Department	Member
5	Prof.A.S.Agarwal	HOD,Civil Department	Member

R&D Cell-Coordinators and Project Guides at respective department motivate students to undertake innovative ideas. We support the innovative ideas of students and help them to nourish their concepts into effective project work. We support students through the entire process and provide full support. The projects carried out by Final Year students couples commercial economy and available resources. We motivate students to do the productive work via these projects so that this can be beneficial to the society. We also recommend students to participate in more number of seminars, conferences and workshops. The institute has created Healthy Environment of Research through projects of students. Faculty members and students visit industries to identify real life problems and formulate projects based on these.

Few of the innovative projects are as follows.

1. The team of three students, of Electronic & TC department has created the **Departmental Notice Board**

2. Students of CSE Department has worked on the project entitled “**Automatic Irrigation System Using Soil Moisture Sensor**” which can be proved as very helpful for the farmers in neighborhood community.

**To cultivate the research motive amongst students college provides following facilities.**

- Well-equipped computer lab .
- Wi-Fi connection which enables students to get connected across globe in the campus.
- Well maintained library with Reading Room is available for students to access books.
- More than 10 thousand books and around 40 national and international periodic journals are available in the library for the benefit of student and staff.

**T&P Cell:**

This cell is headed by Training and Placement Officer. It helps student community to identify various entrepreneurial opportunities. We invite eminent personalities from small and large industries and organize seminars and workshops with them.

This T &P cell will act as a platform for students to:

- Connect with mentors and opportunities through conducting workshops, seminars and interactive sessions
- Connect with successful students- turned- entrepreneurs and get advantage of their knowledge.
- Get opportunities to work on live projects with the help of industry

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

**Response:** 0

**3.2.2.1 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
00	00	00	00	00

File Description	Document
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:** No

File Description	Document
Institutional data in prescribed format	<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>

**3.3.3 Number of research papers per teacher in the Journals notified on UGC website during the last five years****Response:** 0

3.3.3.1 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
00	00	00	00	00

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

**3.3.4 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years****Response:** 0.13

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

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

File Description	Document
List books and chapters in edited volumes / books published	<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:

To impart and sensitize students to social issues and holistic development and to move social responsibility from theoretical foundation to practical, we conduct various neighborhood activities such as:

- Women Empowerment Program
- Road safety
- Career Guidance programs
- Yoga Day
- Woman's Day
- Health Awareness Programs
- Demonetization
- Blood donation
- Tree plantation
- Ganesh festival
- SwachhataAbhiyan
- Celebration of: Independence Day, Republic Day
- Rangoli competition with the subjects such as "Save Girl Child"
- Help to Drought Affected People
- Visit to Orphanage.

The above activities make the students aware of the social responsibility; social environment etc., which in turn transforms them into responsible citizens with moral values.

Students actively participate in social activities such as yearly health checkup, blood donation Aids Awareness Camp, Hemoglobin checkup camps in collaborations with Kaveri Hospital in the neighborhood community. These activities carried out by students make positive impact on health awareness and personal hygiene.

Working together with other individuals, students learn to communicate, manage, understand and lead others. Such programs sensitize the student volunteers towards the social issues of the society. Involvement in these extension and outreach activities the students develop critical thinking skills and time management. Working outside the college campus and with different social groups of people allows students to gain more self-confidence and appreciation. These activities inculcate the good leadership skills in students making them better citizens.

#### Rangel competition:

Women cell actively conducts various programs, enriching the empowerment of women. A special drive to 'SAVE GIRL CHILD' has been initiated by organizing Rangoli competition with the specific subject providing a platform to raise voice against female feticide. These programs help students to express their views freely and creating more and more awareness among them.

### Ganesh Festival

Students volunteer team organizes “Ganesh Festival” yearly. The innovative idea has been initiated by our volunteers that instead of spending the money on buying Ganesh Idol every year, donate the same amount to people who are not socially uplifted.

### Help to Drought affected people

In the region of Marathwada of the Maharashtra State India is among the worst hit by drought every year causing local farmers to give up on their lives. While the government may take its own initiatives to abate the plight of these farmers and their families, we as individuals can also make a little difference. The Organization has stand up by one of these families( Mr. Ganesh Shingire) by providing financial help.

### SankalpYojana

The College has always felt concern about the students, and, especially those which belong to weaker section of the society. The College provides reservations, financial aids, scholarships for socially backward classes,.

The major strength of this college is its ability to ensure holistic development of students and to make them responsible citizens.

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

**Response:** 0

#### 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
00	00	00	00	00

#### File Description

#### Document

Number of awards for extension activities in last 5 years

[View Document](#)

### 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: 5**

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
01	01	01	01	01

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	<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: 42.73**

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
155	274	288	231	144

File Description	Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	<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: 38**

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
6	10	12	8	2

File Description	Document
Number of Collaborative activities for research, faculty etc.	<a href="#">View Document</a>
Copies of collaboration	<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:** 40

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
8	8	8	8	8

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>

## 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 campus has a sufficient space which is utilized for various functions like academic, administrative, co-curricular and extra-curricular activities. Each department in the institute has independent classrooms, tutorial rooms, seminar halls, drawing halls, workshop along with the well equipped laboratories.

*Table :Classrooms and laboratory Details*

S.No	Details of facilities	Required No. As per AICTE	Available
1	Class Room	16	16
2	Tutorial	03	03
3	Laboratory	30	30
4	Workshop	1	1
5	Computer Centre	1	1
6	Drawing Hall	1	1
7	Library and reading Room	1	1
8	Seminar hall	2	2
9	Training and placement office	1	1
10	Computers	168	138

*Table: Computing Equipment*

Year	Number of Printer	Number of scanner	Number of Projectors	Biometric	Xerox machine
2013-14	9	2	5	1	1

2014-15	11	2	5	1	1
2015-16	11	2	5	1	1
2016-17	13	2	7	1	1
2017-18	13	2	7	1	1

Table :Specialized Equipments/Software

Sr No	Particulars
1	Universal Testing machine
2	FFT Vibration Analyzer
3	ETAB Software
4	Spectrum Analyzer
5	Digital storage Oscilloscope
7	Mat Lab Software
8	Circuit Simulation Software (Proteus)
9	Xilinx Simulation software
10	CRO : Digital Storage Oscilloscope
11	Analog IC Tester
12	Dual trace CRO 50MHz
13	CTM (2000KN)
14	Tilting Flume
15	Windows 7 Pro SNGL Upgrd NL Acdmc
16	Windows 8 Pro SNGL Upgrd NL Acdmc
17	Microsoft Office 2007 Std Edition
18	Windows vista Starter Edition
19	Windows 2008 Server Std Edition

File Description	Document
Any 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 enhance personality development, team spirit and leadership qualities among students, the institute encourages students to participate in various sports activities during annual social gathering and at different zonal levels.

In the academic year 2017-18 First year students are the runner up in volley-ball in zonal matches held at Deogiri college of Engg Aurangabad.

Students are encouraged to organize various cultural activities in the college. Festivals like Foundation Day, Independence Day, Republic Day, Tilak Jayanti, Mahatma Gandhi Jayanti, Shiv Jayanthi, Ganesh Festival, Teacher's Day, Engineer's Day, Saraswati Puja, Dashahara, etc are celebrated by students actively.

During the annual gathering festival “Swapnarag”, we organize different days like saree day ,dhoti day ,filmy day , angel and devil day,tapori day, traditional and patriotic day .

Every year we organize a 30 hrs Yoga separate session for faculties and students as well to make them aware about physical fitness and empowerment of concentration.

Every year we conduct blood donation camp, tree plantation under eco activity ,societal awareness program ,swachataabhiyan in college campus.

**Table : list of outdoor games**

Sr. No	Name of Outdoor Sports	Year Of Establishment	Area(sq m)		U
1	Cricket	2011	5500		
2	Vollyball	2011	160		
3	KhoKho	2011	405		B
4	Football	2011	2500		B
5	Kabaddi	2011	130		B

**Table : list of indoor games**

Sr. No	Name of indoor sports	Year Of Establishment	User Rate
1	Chess	2011	Once in a year
2	Carrom	2011	

**Table: Cultural Event details**

Sr. No	Details	User Rate
1	Drama	Occasionally
2	Dance activates	
3	Singing	
4	Fun fair	
5	Dandiya	
6	Cultural night	
7	Days celebration	
8	Blood donation	

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:** 16.67**4.1.3.1 Number of classrooms and seminar halls with ICT facilities****Response:** 03

<b>File Description</b>	<b>Document</b>
Number of classrooms and seminar halls with ICT enabled facilities	<a href="#">View Document</a>

**4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.****Response:** 28.98**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
5.1	27.50	41.1	24.39	129.92

<b>File Description</b>	<b>Document</b>
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 Library of the institute has facilitated with fully integrated the Library Management Software -SLIM21 for the effective management of library and also for smooth circulation of books. Library is enriched with membership of National Digital Library (NDL), and subscription of national and international journals. Library also provides additional facilities to students by the storage of all video lectures of NPTEL. There is a Book Bank Scheme facility for all students, in which students get permanent books at the beginning of each semester and have to submit it at the end of the semester. To impart additional knowledge to students by facilities of additional books on Aptitude, GATE Exam, Soft Skills



and rare books such as projects of pass out students etc.

papers and articles published by Faculties and students are being kept separately, so that researcher should get motivated by the sources.

Name of the ILMS software:	<b>SLIM21-Library management software cataloguing system.</b>
Nature of automation (fully or partially)	<b>Partially</b>
Version	<b>Slim21+</b>

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

##### Response:

Our library is enriched with the B.E. projects of students and M.E. thesis of the faculty members these reports are very much useful to the students for continuation of research. A list of rare and spiritual books ,magzines are given below.

**Table: collection of Rare Books**

Sr.No.	Title	Author
1	A to z Practical Building construction and its management	Mantri Sandeep
2	Handbook of Gear design	Maitra Gitin M
3	Handbook of machine design	Maitra, Prasad L.V
4	Machine tools handbook design and operation	Joshi P.H
5	Computers today	Basandra Suresh
6	Standard HB of machine design	Shigley J E, Mischk
7	Electronics Handbook	Whitaker J
8	Indian practical civil engineers Handbook	Khanna P N
9	Machine tool design Handbook	CMTI-Bangalore
10	HB of environmental health and society:Principles and practice Vol-I	Koren, Bisesi
11	Odyssey of my life	PatilShivraj V
12	Seven habits of highly effective people	Covey Stephen R

File Description	Document
Any 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:** E. None of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	<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:** 4.62

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
0.95	4.66	4.61	8.17	4.70

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>

<b>4.2.5 Availability of remote access to e-resources of the library</b>	
<b>Response:</b> No	
<b>4.2.6 Percentage per day usage of library by teachers and students</b>	
<b>Response:</b> 13.4	
4.2.6.1 Average number of teachers and students using library per day over last one year	
Response: 93	
<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>

### 4.3 IT Infrastructure

<p><b>4.3.1 Institution frequently updates its IT facilities including Wi-Fi</b></p> <p><b>Response:</b></p> <p>The institute has Central Computing Facility and all other Computer labs in the campus are equipped with branded HP Elite desktops in ample quantity latest configuration and they are upgraded whenever required.</p> <p>All computer labs are connected through a 100/1000 Gigabyte LAN. It has centralized server room with SonicWALL4500 Firewall/ Quick Heal, which shares &amp; monitor internet facility.</p> <p>Adequate internet facility through lease line/Broadband is provided to the Computers Labs,HOD cabins, faculty cabins, Library, TPO Office, Deans and Administrative block. Internet with email and browser facility has been provided to the students, which is freely available to them 24 hours &amp; unlimited download through SonicWALL firewall/Quick Heal Monitoring.</p> <p>Computers are connected with printer and many of the machines are powered by Solar system. The LAN also provides the instructional material like notes, slides and NPTEL videos are provided to the students.</p> <p>We have 48-port two switch manageable, 24-port one switch manageable &amp; 16-port switch unmanageable , one cloud core router-2011 RBT011 &amp; we have 17 access point of jioWi-Fi.Updating of these are online as per the hardware devices. We provide the IT facility with 40 Mbps leased line in college premises, as well as every computer having the quick heal antivirus with automatic updating for every day on server.</p> <p>The campus is well equipped with Wi-Fi facility through the seventeen access points of JIO which covers all the departments, campus.</p> <p>The Entire campus is under CCTV Surveillance.</p> <p>The IT infrastructure is regularly provided to the agencies like TCS, MKCL, VIT Vellore etc. for</p>
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conducting various online examinations on holidays. For last six years TCS has conducted ONLINE examination in the institute successfully.

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

#### 4.3.2 Student - Computer ratio

**Response:** 6.61

#### 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:** 35-50 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:** No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	<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:** 23.65

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
129.08	134.62	107.23	95.2	37.2

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:

##### PROCEDURE FOR IT MAINTAINCE

- A teaching faculty from CSE department is appointed as IT Maintenance Coordinator. Under his guidance technical assistants are working.
- The task of IT department is to establish and maintain IT infrastructure in the campus.

##### PROCEDURES FOR MAINTAINING AND UTILIZING LABORATORY AND COMPUTERS

- A teaching faculty is assigned duty of lab in-charge who maintains dead stock entries, get those entries verified from head of department.
- Every lab is maintained by a lab assistant and monitored by lab in charge. Lab in-charge check Equipment in lab before the commencement of semester and report is submitted to HOD.
- For temporary transfer of any equipment, application needs to be provided to the lab in-charge, who record transfer note in transfer register. When equipment is returned, remark will be made by lab in-charge and lab assistant.
- If any equipment fails, lab in-charge add requirement in new requirements list, requirement list which is validated by concerned HOD and submitted to HOI through admin officer.
- New requirements are collected by HOD from lab in-charges and after approval from the Principal, quotations are called from the vendors and comparative statement is prepared. The vendor who has quoted lowest price along with quality is preferred for procurement of the material.
- If the IT related equipment is not working properly then concerned person should report the Query/complaint.

##### PROCEDURES FOR MAINTAINING LIBRARY:

- Librarian circulates sheet to all Head of departments regarding new book requirements before starting of semester (June and December)
- All department faculties prepare the required books and will submit to librarian.

- Librarian verifies existing stock of books and new requirement and adjusts required copies accordingly.
- Librarian prepares new requirements of book and will submit for final permission from the management within next 15 to 30 days for the purchase of books.
- After final permission from higher authorities, librarian invites quotations from publishers.
- Librarian sends purchase order to the vendor after approval from Principal.
- Faculty as well as students has fill the membership form for issue of book.
- Librarian prepares the barrow card for faculties as well as students.
- Paste control is carried out by librarian to all books and Journals and Magazines binding work.

## **PROCEDURE FOR CIVIL INFRASTRUCTURE MAINTAINANCE:**

### **Housekeeping and Gardening and play ground :**

- Cleanliness is unique characteristic of our institute and it is maintained with the help of housekeeping staff under the head staff which is appointed at starting of the semester by HOI.
- Head staff is appointed to ensure neat and regular cleaning of all floors, class rooms and instruments and all floors by housekeeper.
- Floor corridor must be cleaned at least twice in a day based on student traffic and occupancy.
- Gardeners and play ground maintained through housekeeper.
- In case of any maintenance related issue Lab In-charge/HOD /head staff forward application to Admin officer.
- After verifying complaint and identifying necessary action for repair/replacement, he gets the task completed.

### **Classroom furniture :**

- Each classroom is equipped with projector to facilitate use of modern teaching aids for faculty members.
- For any additional requirement or repairing of furniture (benches, table, chair), is forwarded to HOI by HOD.

### **Parking Facilities**

- Parking facility is well organized. It is efficiently maintained by recruited employee/security guard.
- The campus maintenance is monitored through surveillance Cameras. Proper inspection is done.

### **Electric Maintenance :**

- Institute is powered with green power as well as MSEB supply.
- Separate skilled staff is appointed for the maintenance of the entire electric appliance of the institute.
- During any fault /failure of supply/failure of appliance complaint made to the admin officer by the concern staff.
- The appointed staff prepares the requirement and get approval from the HOI through the admin officer.

NAAC

## 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:** 82.48

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
573	549	494	389	215

#### File Description

#### Document

Upload self attested letter with the list of students sanctioned scholarships

[View Document](#)

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

[View Document](#)

#### 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:** 0

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
00	00	00	00	00

#### File Description

#### Document

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

[View Document](#)

#### 5.1.3 Number of capability enhancement and development schemes –



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

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

**Response:** D. Any 4 of the above

File Description	Document
Details of capability enhancement and development schemes	<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:** 43.4

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
200	353	296	246	90

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>

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

**Response: 0**

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
00	00	00	00	00

**File Description****Document**

Details of the students benefitted by VET

[View Document](#)**5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases****Response: Yes****File Description****Document**

Details of student grievances including sexual harassment and ragging cases

[View Document](#)

## 5.2 Student Progression

**5.2.1 Average percentage of placement of outgoing students during the last five years****Response: 13.22**

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
24	27	31	9	0

**File Description****Document**

Self attested list of students placed

[View Document](#)

Details of student placement during the last five years

[View Document](#)**5.2.2 Percentage of student progression to higher education (previous graduating batch)****Response: 5.05**

## 5.2.2.1 Number of outgoing students progressing to higher education

Response: 10

File Description	Document
Details of student progression to higher education	<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: 1.48

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
2	2	4	0	0

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
155	137	86	29	00

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	<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: 0

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
0	0	0	0	0

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>

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

#### Response:

1. For the well being and overall development of students we have formed a student council as per the institutional guidelines.
2. Student council plays an important role to enhance leadership and overall development and to promote intrinsic and extrinsic motivation for the students, so we encourage students to take participation in the student council forming activity by circulating the notice of election to each dept.
3. First of all Class Representatives (CR's) are selected on the basis of Academic merit and Additional Class Representatives (ACR's) are elected from each department by taking voting of respective class students.
4. Student Associations are formed department wise as for Civil dept. CESA, for Mech dept. MESA, for EC Electrolitz and for computer and IT dept. CIESA.
5. After this announcement has to made for the different posts for student Council - General Secretary (GS), Sport Secretary(SS), Cultural Secretary (CS), Ladies Representative(LR) and some additional post are declared by Chairperson (Principal Sir).
6. A committee of Faculty members is formed to conduct the election of student council.
7. Once the candidatures names collected from the each dept. for each post, election starts with voting from assembly formed in dept. (student Associations).
8. Only GS post is reserved for final year student and other posts are elected from Second, third and final year association members, CR's and ACR's.
9. Student Council is valid for one Academic year only.
10. Academic schedule has planned by considering student's council's opinion.
11. Regular meeting of student council with chairperson is held for each month for regular assessment and monitoring of activities.

#### STUDENT COUNCIL: (2018-19)

SR. NO.	DESIGNATION	MEMBER	DEPT.

1	Chair Person	Dr. M.V.Buke	Principal
2	General Secretary	Mr. Patne Kirtikumar S.	B.E.(CIVIL)
3	Cultural Secretary	Mr. Suraj Gomchale	TE(E&TC)
4	Sport Secretary	Ms. Pooja Shembale Mr. Madan Kolpuke	BE(CSE) T.E. (MECH)
5	Sport Secretary (Ladies)	Ms. Dnyaneshwari Pushkar	BE(E&TC)
6	Ladies Representative	Ms. Sulakhe Pooja	BE(CSE)

**1. INTERNAL COMPLAINT COMMITTEE:(2018-19)**

SR.NO.	FACULTYNAME	DESIGNATION	DESIGNATION IN THE COMMITTEE
1	Dr.Buke M.V.	Principal	Presiding officer
2	Prof. Patil A.W.	Asst.Prof.(Mechanical)	member
3	Prof.Giri M.S.	Asst.Prof.( Computer)	Member
4	Mr.Patne K.S.	General Secretary	Student Representative
5	Miss. Sulakhe P.P.	Ladies Representative	Student Representative

**2. MINORITY CELL:(2018-19)**

SR.NO.	FACULTY NAME	DESIGNATION
1	Dr. Buke M.V.	Principal
2	Prof. Shaikh S.R.	Asst.Prof.( Computer)
3	Prof.Kamble S.N.	Asst.Prof. (Mechanical)
4	Miss.NehaPathan	Student
5	Mr. Sayyad Ibrahim	Student

**3. SC/ST CELL:(2018-19)**

SR.NO.	NAME OF FACULTY	DESIGNATION	STATUS COMMITTEE
1	Dr. Buke M.V.	Principal	President

2	Prof. Kamble S.N.	Asst.Prof. (Mechanical)	Member
3	Prof.Waghmare A.B.	Asst.Prof. (Civil)	Member
4	Mr. Bhalerao A.A.	Student	Member

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

**Response:** 19.2

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
22	22	16	18	18

File Description	Document
Number of sports and cultural activities / competitions organised per year	<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:**

The alumni association is registered on 7th June 2018. The name of alumni association is registered with name SANDIPANI TECHNICAL CAMPUS ALUMNI ASSOCIATION KOLPA TALUKA DISTRICT LATUR and with registration no: Latur/0000153/2018.As just last year alumni association is established for our institution, lot more work has to be done for the development of an institution in coming years. ALUMNI ASSOCIATION is planning to organize the expert lectures, seminars and workshops for our current institutional students which will helps to improve their technical visualization and also they will get updated knowledge of the upcoming technical trends.

As a part of this one of our alumni Mr. Dheeraj Kulkarni had visited our institution and conducted a workshop on ‘ Web development program during 01/07/2017 to 10/07/2017 for the juniors and shared his industrial experience. Also alumni association is planning to create platform for more interaction with students to encourage becoming an entrepreneur..

Alumni association registrations link is provided on our institutional website.

File Description	Document
Any 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
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: 1

##### 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
1	0	0	0	0

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>

## 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:

##### Nature of Governance

The top management, Principal and faculty work together for implementing its vision, mission and quality policy. The leadership provides way for achieving excellence in technical education and the academic and administrative processes are put together towards realizing this vision. The role of top management, Principal and faculty in design and implementation of quality policy and plans is detailed below:

##### Top Management:

- Sets objectives in accord with the quality policies and shares its vision through periodic GoverningBody (GB) and Local Management Committee (LMC) meetings.
- Creates an organizational culture that is fair, transparent, motivating and beneficial to faculty and staff to realize their potential.
- Makes financial provision to provide infrastructure and facilities to cater to future requirements as per increasing needs

##### Principal

- Share decisions taken by the management in Monthly meetings with all Heads & Deans.
- Motivates and monitors team of faculty and staff to realize the institute's vision and mission.
- Sets goals for academic performances, technical and soft skill development, placements and extra-curricular activities.
- Motivates faculty members for research and industry-institute interaction.
- Sets up rules & regulations for governance, transparency in administration and participatory decision making for collective responsibility.
- Identifies and appoints competent, qualified faculty and ensures technical competency by creating opportunities for faculty to grow.
- Encouragement of team building
- "Ensures availability of infrastructure and other facilities to satisfy academic and administrative requirements.

##### VISION

To achieve excellence technical education, rooted rurally to produce capable graduate engineers with an aptitude for research and leadership.



**MISSION**

- To strive for excellence in our teaching - learning process.
- To promote excellence by encouraging creativity , critical thinking and discipline.
- To enhance career opportunities for students through exposures to industry.
- To include sensitivity towards society and a respect for environment.
- To become destination for prospective students of engineering.

**QUALITY POLICY**

We at STC are committed to provide quality technical education to improve the knowledge of students. This is achieved through continuous efforts of faculty upgradation, providing placement assistance , motivating students for extracurricular development and opting student with latest technical development. STC also committed to achieve excellence in technical education to produce capable graduate Engineers.

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

**6.1.2 The institution practices decentralization and participative management****Response:**

Institute has a mechanism for providing authority to all the various levels to work towards efficient working. Deans and heads are given authority for efficient working.

**1.Principal-Level**

The Governing Body and principal delegates all the academic decisions to the heads. & Deans in order to fulfill the vision and mission of the institute. working procedures and entrusts the implementation with the faculty members.

Dean Academics is responsible for academic development of the institute and monitors implementation and progress of teaching-learning processes and academic reviews.

Dean R & D monitors Research and Development activities in the institute, guides the senior level faculty members to send proposals to various funding agencies for research grants.

Dean QAC is responsible for getting the institute accredited by NAAC . It is planned that NAAC accreditation to be completed in the AY 2019-20.

Coordinator (IT) is responsible for effective implementation and utilization of IT infrastructure at the institute

Dean Administration is responsible for supervision and management of all administrative functions.

Dean (T & P) is responsible for industry connect and student placements.

Dean Examination is responsible for effective conduction of all examination work

Dean Extracurricular Activity is responsible for all college level extracurricular activities and to promote the students to take part in different events organized by other institute.

Head of the departments are responsible for the academic and administrative functions of the department In addition, Dean Administration, Accounts Officer, Librarian, Workshop Superintendent respectively takes care of office related activities, finance related issues, library resources and workshop related activities. Other supporting activities are handled by the Admission-in-charge, Dean Examination, Dean Extracurricular activities etc.

**Decentralization at Department level:** Each class has a class teacher, who is responsible for academic activities, student attendance, parent connect etc. Each department has various coordinators.

## **2. Faculty Level**

Faculty members are given representation in various committee sand allowed to conduct various programs. They are encouraged to develop leadership skills by being in charge of various academic, co-curricular, and extracurricular activities. They are given authority to conduct industrial tours and to have tie-up with industry experts and appointed as coordinator and convener for organizing seminars/workshops/conferences/FDPs. Other activities of the institute like sports, library,etc. running under the guidance of the various committees.

## **3. Student Level**

Students are empowered to play an active role as a coordinator of students associations, co-curricular and extracurricular activities.

## **Participative Management**

The institute promotes a culture of participative management by involving staff and students in various activities. All decisions of the institution are governed by management of facts, information and objectives. Both students and faculties allowed expressing themselves of any suggestions to improve the excellence in any aspect of the Institute.

## **6.2 Strategy Development and Deployment**

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

#### **Response:**

1. Deployment of Hybrid powered plant in the year 2011-12 to reduce the dependency on mains grid.
2. The institute started in AY 2011-12 with five undergraduate course namely Bachelor of Civil Engineering, Bachelor of Mechanical Engineering, Bachelor of Computer Engineering , Bachelor of Electronics & Communication Engineering and Bachelor of Information Technology with an

intake of 60 each. Total intake for AY 2011-12 of the institute was 300.

3. The institute started Polytechnic Courses in AY 2013-14 with two course namely Civil Engineering and Mechanical Engineering, with an intake of 60 each. Total intake for AY 2013-14 of the institute was 120.
4. Institute is ISO 9001-2015 is certified in the year 2017 – 18.
5. The Institute has started the skill-India certificate courses from 2018-2019.

File Description	Document
Any additional information	<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:

The administration of college is managed by the following bodies.

**Governing Body:** The apex body is the Governing Body that decides policies and directs the affairs of the institution in partnership with the management. It has representation of the management, faculty, government representatives and industry.

**Local Management Committee:** At the college level, the Local Managing Committee is constituted. It has representatives of the management, faculty and non-teaching staff. The Principal of the college heads both the academic as well as the administrative sections and is overall in charge of the college. Deans and Heads are appointed to assist the Principal in effective functioning of the institute. Various academic support units like library, workshop support the academic programs. Other administrative support units in the college help in monitoring and facilitating several administrative functions and make administration open and transparent.

**Internal Quality Assurance Cell (IQAC):** This cell takes decisions related with academic, cocurricular and extra-curricular initiatives and has participation of representatives from faculty, staff, parents and industry.

#### Recruitments and promotions:

The appointments and promotions of all cadres of faculty are made as per the norms

1. **Temporary appointments:** When a vacancy of a Faculty is to be filled in temporary for a period of 11 Month, the appointments is made through Local Selection Committee by due process.
2. **Appointment on Regular basis:** The appointments of Faculty members on regular basis is made through University Selection Committee. The selected candidates is appointed on probation for the period of two years and after completion of satisfactory probation period their services are confirmed.

#### Annual salary Increment:

There is a uniform date of annual increment on 1st July of every year Annual Increment of an employee

shall freeze in case of poor performance / failure to achieve academic qualification in stipulated time period / disciplinary cause.

**Grievances Redressal Cell** is formed in order to keep the healthy working atmosphere among the staff, students & parents. This cell helps staff, students & parents to record their complaints and solve their problems related to academics, resources and personal grievances.

The other committees are as follows:

- a. Anti-Ragging Committee: Ragging complaints will be handled as per government guidelines.
- b. Vishakha Committee Woman harassment complaints will be handled as per government guidelines by respective section.

File Description	Document
Any 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:** D. Any 2 of the above

File Description	Document
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:****Minutes of GB Meeting held on 24/03/2018**

Sr.No.	Agenda Point	Details of Discussions & Conclusions	Responsibility & Target Date	Status as on date
1	1	Review previous management meeting		Approved
2	2	NAAC Progress report: Dean-Q.A.C presented the NAAC report of all criteria's, almost 80 % work is completed. The requirements of infrastructure must be fulfilled before the visit of peer team and we will submit the application when the window opens.	Dean-Q.A.C	80% work completed
3	3	Faculty requirement: some faculty members resigned and requirements are raised through Depts. Publish the advertisement.	All H.O.D.'s	Comply on or before
4	4	Admission plan 2018-19: Formed diff. committees and allotted work	Patil A.W.	After the CET+state Res
5	5	Result & Feedback	Dean -Academics	Repeatedly called results and explained called explanation imposed till 15
6	6	Budget Requirement Academic Year 2018-19: Now we are affiliated to BATU, syllabus of S.E. is not yet finalised, after getting syllabus, find out the lab equipment's and budget, we will purchase on or before the start of semester.		Proposal Submitted
7	7	Pending scholarship Fees		In process

**6.3 Faculty Empowerment Strategies****6.3.1 The institution has effective welfare measures for teaching and non-teaching staff****Response:**

Welfare schemes available for teaching and non-teaching staff are as follows

1. Uniform to Class – IV Staff: Institute provides two sets of uniform with supporting accessories every year to all Class-IV employees i.e. peons, housekeeping staff, security staff.
2. Gratuity to retired faculty and staff.

3. Maternity leave.
4. Staff quarters at to class IV(Watchman) employees.
5. Advance to faculty and staff to meet any untoward emergency expenses.
6. Leave Encashment: Leave encashment is given at the retirement.
7. Sponsorship to faculty for higher studies i.e. PG and Ph.D.
8. Provision for EPF is made for employees.
9. Best Teacher Award.
10. Financial Assistance for attending conferences, workshops, FDP's.

### 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:** 15.78

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
10	11	01	05	01

#### File Description

#### Document

Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years

[View Document](#)

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

**Response:** 2.8

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
2	3	3	4	2

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	<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:** 7.49

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
06	05	02	0	0

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

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

**Response:**

Each and every faculty member completes the self-appraisal procedure every year in the format designed by the college

Self-appraisal is done on the basis of the following points:

- Teaching learning process evaluation
- Specific duties / tasks assigned by Heads of the Department.
- Major contribution for the benefit of student/ staff / Institute.
- Contribution towards extracurricular and co-curricular activities.
- A feedback is taken from the students twice, every semester. It is confidentially given by the students . The feedback form comprises of several points that evaluate the performance of the teaching faculty. Every point is assessed with excellent, good, satisfactory performance.

- Considering student as the most important factor, the Institute invites suggestions from them in the last part of the feedback form
- The feedback is analysed and the suggestions are given to the concerned faculties by HOD
- The management reviews the performance appraisal for suitable suggestions and remedial actions .

## 6.4 Financial Management and Resource Mobilization

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

#### Response:

The institution is having qualified practicing Chartered Accountant as internal and external auditors who audit the accounts annually. After the audit, the report is sent to the management for review

The institute conducts external audit. audit is conducted by an external agency Mr.R.B.AGARWAL and Associates, Latur. External audit is conducted in every financial year to ensure financial compliance.

Financial Year	Date of Audit
2013-14	29/6/2014
2014-15	30/9/2015
2015-16	17/10/2016
2016-17	07/11/2017
2017-18	31/10/2018

### 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

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	0	0	0	0

#### File Description

#### Document

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

[View Document](#)

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

#### Response:



1.The main source of funds for institute is the fees received from students. Directorate of Technical Education (DTE) governs all admissions in the institute. Policies for reservations and scholarships of Maharashtra Government are applicable to students admitted through centralized admission process. As per these policies, 100% fees of students from SC, ST, SBC, NT and VJ categories and 50% of tuition fees of students from OBC category is paid by Government in the form of scholarships. 50% of tuition fees of Economically Backward Open category students come from Government. Approximately 65% of the total fees come from Government without any predefined disbursement schedule.

2.Institute also provides its IT infrastructure and set up for conducting online examinations .The infrastructure is provided for such examinations on holidays only and institute gets infrastructure utilization charges.

3. Majority of the students are from rural area and belonging to the families depending on agricultural source of income with challenging economic conditions. We allow the fees to be paid in installments so that students and parents are comfortable for the total fees payment throughout the year.

## 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:

#### 1.ISO 9001:2015 certification

- In the first IQAC meeting, it was decided to have ISO certification. In this regard senior faculties have been appointed as Dean's of cells like Academic, Quality Assurance, T&P, Examination, Extra-curricular etc.
- In this regard quality manuals, process protocols, operation manuals are being prepared as per ISO standards.
- All the processes are carried out as per the quality manual.

As a result of this, it seems improvements in

- Academics like preparation of Academic Calender, distribution and data collections are time bounded.
- Exam section- Unit test conduction, result declaration and students grievances are time bounded and transparent.
- Extra-curricular- Conduction of various activities are well planned, its execution and report generation are channelized.
- Admin section- Distribution of students documents like T.C., Bonafied etc are being time bounded.

#### 2.Teaching- Learning process

The institute monitors the quality of teaching in the following ways

- Through the IQAC we are monitoring the student progress.
- Head of Department regularly monitor teaching process adopted by subject teachers. Meetings between Head of Department , subject teachers are conducted before commencement of the semester to streamline the teaching process.
- Meetings of the C.R, A.C.R are conducted. Issues are resolved by the Head of the department. A consolidated report of such meetings requiring intervention of the Principal is sent by head of the department to the Principal.
- Principal Takes monthly review personally at every class regarding syllabus completion, any other issues.
- Feedback about faculty is taken from the students after every unit test. In this feedback, questions related to teaching competencies and attitude of the concerned faculty are asked. Based on the feedback, HOD gives necessary directions for improvement in the teaching methods.
- Principal also monitors the feedback system and counsels the faculty with low feedback. Mentors are assigned to low performing faculty and their performance is reviewed regularly.

### **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:**

#### **Student Feedback**

- For review of teaching-learning processes, the institute conducts student feedback. First feedback is taken during the conduction of Unit test-I
- The second round of feedback happens during conduction of Unit Test-II.
- After every round, individual reports for faculty members are generated and distributed through a secure channel.
- A consolidated report is prepared with a benchmark.
- Head of concerned Department conducts a meeting of all faculty members in the department to discuss the feedback report.
- Instructions for improvements are given to faculty members and remedial Methods for improvements are suggested.
- The same reports are kept in IQAC, LMC meetings and necessary suggestions are given to concerned faculty members.

#### **Academic Review**

- Apart from student feedback, monthly academic review is taken by Academic Dean with principal to ensure syllabus completion as per the teaching plan.
- Extra lectures are assigned to the faculties with less syllabus completion.
- Faculties assigned as mentor take care of students in all aspects and make sure that students are getting good results.

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

**Response:** 0.2

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
01	0	0	0	0

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	<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
e-copies of the accreditations and certifications	<a href="#">View Document</a>
Details of Quality assurance initiatives of the 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:**

- The institute always strives for achieving excellence in its academic and administrative area. Many best practices are introduced during last few years. These best practices are regularly reviewed and refined based on the outcomes of a particular activity. At administrative level quality enhancement initiatives like faculty performance appraisal system is implemented since 2011-12.
- The institute is more focused to promote and support for higher education i.e.PG and Ph.D.
- Also promote the faculty to attend and organize the FDP,Seminars,workshops for betterment, institute Provides duty leaves, registration fees, traveling, boarding and accommodation etc. expenses.
- The institute has introduced VCRP (Virtual campus recruitment process) in the year 2013-2014.
- As a part of making students more employable, institute has introduced quality initiatives like industrial training, projects based on industry, inviting industry experts,arranging soft skill trainings ,seminars,workshops.
- The institute has initiated mentorship through which the attendance,overall predominance of students are promptly communicated to parents.
- Improving the infrastructure for departmental labs like CAD lab(Civil and Mechanical),Civil Engineering labs (Geology,Geotechnical Engineering.),Mechanical labs(HT,IC engine lab),E&CE (Advance Communication,Embedded System ).

## 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: 2**

##### 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
1	1	0	0	0

#### File Description

List of gender equity promotion programs organized by the institution

#### Document

[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:**

##### Woman's day Celebration

International Women's Day is a global day celebrating the social, economic, cultural and political achievements of women. The day also marks a call to action for accelerating gender parity.

International Women's Day has been observed since the early 1900's - a time of great expansion and turbulence in the industrialized world that saw booming population growth and the rise of radical ideologies. International Women's Day is a collective day of global celebration and a call for gender parity.

Institute celebrates the women's day every year to motivate and achieve gender equality and empower all women and girls. We organize different events and activities which boost the confidence level of women. We have invited Mrs. SmitaKhanapure first lady mayor of Latur Corporation during 2014-15. She guided and motivated ladies staff and girls in our college. Every year we invite guest to guide and motivate women in our college on women's day.

##### 50 % Concession for girls

Due to 50 % Concession in fees of transportation, number of girls admitted in our college is increasing day by day. In Civil Department, numbers of girls were very less, but due to this scheme of concession, numbers of girls are increasing in civil branch as well as in other branches of our college.

Due to transportation of faculty by college bus, pollution decreases. Due to this, fuel consumption is very less. Fuel is non-renewable source so we have conserve fuel as much as possible.

### **Safety Driving Workshop for Girl's**

Institute also organizes driving Workshop for Girl's so that girl's can understand the driving rules and regulations and also there was driving tips to girls given by Honda company officials.

### **Common Room for Girls**

To facilitate our female students, the Campus has established a spacious and comfortable common room, which is in college Campus. This space has been designed to give female students a place to relax, study, have informal discussions in free time available. Female students appreciate this facility a great deal.

The girl's common room is a place where the student sits in their free time. It has been designed to stimulate interest among students to promote awareness of the activities in the college and to provide a support network for female students.

The objectives of the center are:

1. Women emancipation-their capacity and confidence building.
2. Assist women in their struggle for economic, social, cultural, political and mental empowerment.
3. Orientation and awareness of women about their rights. This centers in jointly working with the various department of the Institute.

### **Facilities:**

- Vending Machine
- Attached Girl's Toilet
- Daily newspapers, magazines for reading.
- Other stationary

### **Women's Grievance cell**

The Cell deals with complaints of sexual harassment and any other type of harassment of the female students, teaching and non-teaching women staff of the college. It processes all the individual complaints and takes immediate suitable action.

### **Personal Counseling**

Institute assign mentor to group of students. The function of mentor is to communicate with students who got depressed due to their personal or financial matters. Though mentors are probably not a trained counselor or therapist, they may be the only person willing to make the time for personal communication with this student.

**7.1.3 Alternate Energy initiatives such as:****1. Percentage of annual power requirement of the Institution met by the renewable energy sources****Response:** 71.43

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

Response: 45

7.1.3.2 Total annual power requirement (in KWH)

Response: 63

**File Description****Document**

Details of power requirement of the Institution met by renewable energy sources

[View Document](#)**7.1.4 Percentage of annual lighting power requirements met through LED bulbs****Response:** 0

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

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 7.164

**File Description****Document**

Details of lighting power requirements met through LED bulbs

[View Document](#)**7.1.5 Waste Management steps including:**

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

**Response:****Description of efforts towards waste management on campus**

### **Solid Waste Management**

In order to reduce waste at College campus, recycling efforts are improved and organic recycling services are provided. Additionally, students, faculty, and staff are properly educated on proper waste management practices. College campus is greatly improving its image by increasing the diversion rate the rate in which waste is removed from the landfill waste stream on main campus.

Institute keeps two dustbin at each floor of college building for solid waste out of which one dustbin is used to collect materials like paper, files etc and another is used to collect wastes like plastic to make plastic free campus. Because of this, college campus remains clean every time.

### **Liquid Waste Management**

Liquid waste management: A systematic administration of activities that provide for the proper handling, treatment and disposal of liquid waste/wastewater or sewage.

The improper disposal of waste water play a role in the contamination of surface water, ground water, and the soil thereby posing health problems.

For liquid waste management, Institute provides outlet to waste water in a tank. From that tank, waste water is carried to the nearby gutter.

### **E-Waste Management**

E-waste is a term used to cover all items of electrical and electronic equipment (EEE) and its parts that have been discarded by its owner as waste without the intent of reuse. Recently, we have made tie up with E waste global Pune to dispose E-Waste from our Institute.

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

**Response:**

**Description of efforts towards rain water harvesting on the campus**

#### **Rain Water Harvesting**

Collecting the rain that falls on a building and using the same for various purposes is a simple concept.



Since the rain we as an Institute harvest independent of any centralized system, we are promoting self-sufficiency and helping to foster an appreciation for this essential and precious resource. Our institute has water collection system and open space so rain water is absorbed underground. The collection of rain water not only leads to conservation of water but also energy.

**Advantages of rain water harvesting:**

- (a) Promotes adequacy of underground water
- (b) Mitigates the effect of drought
- (c) Reduces soil erosion as surface run-off is reduced
- (d) Decreases load on storm water disposal system
- (e) Reduces flood hazards
- (f) Improves ground water quality / decreases salinity (by dilution)
- (g) Prevents ingress of sea water in subsurface aquifers in coastal areas.
- (h) Improves ground water table, thus saving energy (to lift water)
- (i) The cost of recharging subsurface aquifer is lower than surface reservoirs
- (j) The subsurface aquifer also serves as storage and distribution system
- (k) No land is wasted for storage purpose and no population displacement is involved
- (l) Storing water underground is environment friendly.

**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:**

**Description of efforts towards green practices on the campus**

**Green Practices**

- Due to transportation of faculty by college bus, pollution decreases. Due to this, fuel consumption is very less. Fuel is non-renewable source so we have conserve fuel as much as possible.
- Many of the faculty members travel by sharing vehicles to reduce overall fuel consumption. Institute promotes students and staff to travel through college bus, public transport, authorized private's transport, sharing vehicle transport etc in order to help green environment. Some of our students who live nearby college campus and villages use bicycles to reach college.
- Institute promotes students and staff for minimizing use of plastic in the college campus which will help to become campus plastic free.
- Institute keeps two dustbin at each floor of college building for solid waste out of which one dustbin is used to collect materials like paper, files etc and another is used to collect wastes like plastic to make plastic free campus. Because of this, college campus remains clean every time.
- Institute also promotes students and staff for minimizing use of paper in the college campus. Institute also promotes students and staff for using whatsapp for general notices so that college campus will become paperless.
- Most of the University Notices come to the Institute via E-Mail. This helps to make paperless office.
- Every year we plant new trees to make our nearby environment healthy.
- Solar power plant also helps to save energy provided by MSEB.

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

**Response:** 0.28

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
0.29	3.903	1.62	0.64	0.45

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:** C. At least 4 of the above

File Description	Document
Resources available in the institution for Divyangjan	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years****Response:** 0

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
00	00	00	00	00

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	<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:** 0

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
00	00	00	00	00

**7.1.12**

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

**Response:** No

File Description	Document
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

File Description	Document
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:** No

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	<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>

**7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory**

**bodies / regulatory authorities for different professions****Response:** No

File Description	Document
Any additional information	<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:** 7

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
02	01	02	01	01

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:****List of Occasion**

We celebrates birth anniversary of great personalities in India. This is the platform for students to share and explore the work of great personalities. This would encourage the students to grow their professional and social aspects of career. Last year, Institute implemented the new concept of celebrating these events department-wise. Every department has to make necessary arrangement and organization of events on respective days. Students from respective department will be benefited in overcoming Fear because fear is the most significant cause of anxiety and nervousness when it comes to public speaking, rather than lack of skills. This implementation is also helpful to improve Communication Skills, Social Connections, Enhance Your Public Speaking, Organization, Career Growth and Inspire Others.

Self Study Report of STMEI'S SANDIPANI TECHNICAL CAMPUS FACULTY OF ENGINEERING

SR.NO.	OCCASION	DATE	DEPARTM
1	SAVITRIBAI PHULE BIRTH ANNIVERSARY	3-Jan-18	CIVIL
2	JIJAU MAASAHEB BIRTH ANNIVERSARY	12-Jan-18	ENGINEER
3	SWAMI VIVEKANAND BIRTH ANNIVERSARY	12-Jan-18	
4	REPUBLIC DAY	26-Jan-18	
5	MAHATMA GANDHI DEATH ANNIVERSARY	30-Jan-18	
6	CHHATRAPATI SHIVAJI MAHARAJ BIRTH ANNIVERSARY	19-Feb-18	
7	SANT GADGEBABA MAHARAJ BIRTH ANNIVERSARY	23-Feb-18	
8	WORLD WOMANS DAY	8-Mar-28	
9	SHAHID BHAGATSING, SUKHDEV, RAJGURU DEATH ANNIVERSARY	23-Mar-18	COMPUTE ENGINEER
10	MAHATMA JYOTIBA PHULE BIRTH ANNIVERSARY	11-Apr-18	
11	DR.BABASAHEB AMBEDKAR BIRTH ANNIVERSARY	14-Apr-18	
12	MAHATMA BASWESHWAR BIRTH ANNIVERSARY	28-Apr-18	
13	MAHARASHTRA DAY	1-May-18	
14	NATIONAL TECHNOLOGY DAY	11-May-18	
15	TERRORISM AND ANTI-VIOLENCE DAY	21-May-18	
16	SWATANTRYAVEER SAWARKAR BIRTH ANNIVERSARY	28-May-18	
17	AHILYADEVI HOLKAR BIRTH ANNIVERSARY	31-May-18	ENTC
18	MAHARANA PRATAP SINGH BIRTH ANNIVERSARY	16-Jun-18	ENGINEER
19	RAJARSHI SHAHU MAHARAJ BIRTH ANNIVERSARY	26-Jun-18	
20	VASANTRAO NAIK BIRTH ANNIVERSARY	1-Jul-18	
21	LOKMANYA BAAL GANGADHAR TILAK BIRTH ANNIVERSARY	23-Jul-18	
22	SAHITYARATNA ANNABHAU SATHE BIRTH ANNIVERSARY	1-Aug-18	
23	INDEPENDENCE DAY	15-Aug-18	
24	TEACHERS DAY	5-Aug-18	
25	PANDIT DINDAYAL UPADHYAY BIRTH ANNIVERSARY	25-Aug-18	
26	ENGINEERS DAY	15-Sep-18	MECHAN
27	MAHATMA GANDHI BIRTH ANNIVERSARY	2-Oct-18	ENGINEER
28	LAAL BAHADDUR SHASTRI BIRTH ANNIVERSARY	2-Oct-18	
29	DR. APJ ABDUL KALAM	15-Oct-18	
30	MAULANA ABDUL KALAM AZAD NATIONAL TEACHERS DAY	15-Oct-18	
31	SHRIMATI INDIRA GANDHI DEATH ANNIVERSARY AND NATIONAL RE-DEDICATION DAY	31-Oct-18	
32	VALLABH BHAI PATEL BIRTH ANNIVERSARY AND NATIONAL UNITY DAY	31-Oct-18	
33	PANDIT NEHRU BIRTH ANNIVERSARY ANI CHILDRENS DAY	14-Nov-18	

34	CONSTITUTION DAY (NATIONAL LAW DAY)	26-Nov-18
35	DR. BABASAHEB AMBEDKAR DEATH ANNIVERSARY	6-Dec-18

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

#### Response:

#### 1. Transparency in academic and administrative functions

The institution functions on its academic and administrative policies are finalized by conducting meeting with faculty members. Formation of objectives, directives and guidelines with specific plans for implementation by aligning the academic and administrative aspects improves the overall quality of the institutional provisions. Principal along with all authorities are involved in setting values and participative decision making process to achieve the vision, mission and goals of the institution. The formal and informal arrangements in the institution to co-ordinate the academic and administrative planning and implementation reflects the institutions efforts in achieving its vision.

#### 2. Transparency in financial functions

Institute invites quotations from suppliers for laboratories of respective departments and college level requirements before start of academic year. All hod's and Principal decides annual budget for the departments and infrastructure.

The process of procuring material and equipment is carried out by respective department as per the standard operating procedure defined. The process involves generating requirement of material and/or equipment by respective department, three quotations from market, preparing comparative statement and recommending vendor quoting lowest rates and on the basis of quality. Purchase order is prepared by verifying through respective Lab In-Charge or subject teacher and recommended by HOD and finally approved by Principal. On receiving equipment / material/ stationary is verified by lab In-charge and one office section staff. Once respective department confirms satisfactory report, payment is released.

College fee finalized by ShikshanShulkaSamiti is displayed on college website.

Institute allot budget to organize annual function according to requirement from student council.

## 7.2 Best Practices

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

#### Response:

#### Title of the Practice

## ***Virtual Campus Recruitment Program***

### **1. Objectives of the Practice**

- Institute organizes the Virtual Campus Recruitment Program(VCRP) for all Courses to make technical students familiar and competent with the Recruitment process conducted byMNC's.
- The event will make students aware about their strengths,weaknesses and improvement to be done to develop their inter- personal skills.

1. Self-assessment of the students.
2. Motivate and boost the confidence level of students to absorb in competitive world.
3. To improve event management skills of our students.
4. To develop culture for organizing events and making them successful by working in team.
5. To develop inter college relations by having such events.

### **2. The Context**

#### **Online Registration**

- Everyone is not able to visit the campus for registration or coordinator may not be available, so Institute has started online registration facility.
- Students are asked for online registration for the Virtual Campus Recruitment Program and registration fees is collected at campus at the time of reporting.

#### **Online Examination**

- Conducting offline examination and result preparation is time and money consuming task and it also requires man power utilization.
- So, Institute conducts online aptitude examination for making students aware of first step of recruitment process. The software required to conduct the examination is developed by our students from computer science and engineering branch under guidance of faculty members. This software not only conducts examination but also prepares result.

#### **Transportation**

- Each student is not able to reach campus in time by public transport. So, pick-up and drop facility is provided for registered students from their college to make them convenient to reach their Institute.

#### **Schedule of Online Examination**

- The huge response for event makes difficult to accommodate them in single slot. So, batches are formed and one by one examination is conducted. But, last batch has to wait till their turn comes. For proper time utilization we have organized Techno-Fest a technical event which includes project exhibition, Paper Presentation and technical events etc.

#### **Sponsorship**



- For making any event successful with perfect management, financial support is required, so students collect financial support from renowned businessman or agency by providing them sponsorship facilities such as advertisement, space for exhibition.

### **3. The Practice**

- Registration
- Aptitude Test
- Technical Interview
- Personal Interview
- Winner and Runner.

### **4.Evidence of Success**

Students from nearby diploma/ degree engineering colleges participate in Virtual Campus Recruitment Program. Institute invites Experts from Industry/ Teaching field to conduct interviews of participants. For inauguration Institute invites faculty members, Principal, Management to build relationship among institution.

- Invitation letter
- Sponsorship letter
- Receipt record
- Notices
- Banner
- Feedback forms
- Photos
- Presentation slides.

### **5.Problems Encountered and Resources Required**

- Institute conducts online examination in slots which consumes more time. To reduce time for same, there is requirement of number of computers.
- Expenses incurred in Virtual Campus Recruitment Program are cannot be recovered from registration fees only. So, it requires some funds to be raised from funding agencies like aicte, IE(I), ISTE etc.
- Institute is having only two buses, so institutes have to take buses on rent.

### **Resources Required**

- Computer lab with LAN facility with 100 PCs
- Server PC.
- Printers.
- Uninterrupted power supply.
- Sound system for announcement and inaugural program
- Function Hall/Large size pandal
- Transportation Facility

- Other stationary.

## **Title of the Practice**

***Green Power Plant / Save Energy Save Nation / Energy Saved is Energy Generated***

### **1. Objectives of the Practice**

- Spreading awareness about solar and wind energy sources
- Providing technical knowledge about hybrid power plant
- Promoting people to use solar and wind energy plant for domestic and commercial.
- Making people aware about benefits of use of solar and wind energy sources like financial, social, Environmental etc.
- Make institute eco friendly.

### **2. The Context**

- Reducing use of electricity which is generated from conventional energy sources by implementing hybrid power plant
- Solar energy is an alternative for fossil fuels as it is non-polluting, clean, reliable and renewable source of energy.
- Wind mills are fixed on the roof of college building which makes vibration to columns.
- Continuous power supply during sunny weather but it may be reduced by some about if there is cloudy weather
- Providing details about expenses required for installation of plant which is very high as compare to any other energy source, but at the same if we think about long term benefits then it is profitable.
- For running some heavy machines, we need higher capability which cannot be fulfilled by our plant.

### **3. The Practice**

- Invitation to students from our institute
- Or
- Permission taken by other institute.
  - Finalizing date of visit to hybrid power plant.
  - Visit to hybrid power plant and presentation PPT.
  - Feedback collection and photographs

### **4. Evidence of Success**

We invite or permit the students from nearby latur region from schools and colleges. Representative from our institute prepare presentation and deliver in front of all invited students and staff.

1. Invitation letter
2. Feedback forms
3. Photos
4. Presentation slides.

## **5. Problems Encountered and Resources Required**

### **Transportation**

Students from other college visit our plant during academic, making necessary arrangement and transportation facilities to those students is quite tedious task to manage. Still due active participation of all respective staff we could arrange the same.

### **Faculty Preparation**

To demonstrate the power plant in detail, experienced faculty member is required.

### **List of BEST practises apart from above stated**

1. Induction Training program for Students and faculties.
2. Regular Feedback from Student.
3. Academic Calendar with specific schedule of activities.
4. Mentor : Mentee communication.

## 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:

#### Engineering Education Awareness Program

##### 1.Seminars conducted rurally

Institute not only focuses on quality education but also guide students belonging to rural area to create their career in engineering field. To keep pace with global demands, there is a need for more engineers, so seminars are organized in different villages, schools and junior colleges to spread importance of engineering education. Seminar is delivered on different aspects like CET exam forms, admission process, career opportunities and many. Institute invites expert faculty members from well know institutes to present information about admission process. Also one day CET Entrance exam preparation session is organized by institute.

##### 2.Registration and information Office

Institute has taken initiative for ease of students to fill registration form. As part of same institute have one center in Latur city. Counseling for admission process, information about engineering education is given by faculty members.

##### 3.Monthly review by principal sir on each class

Academic review is carried out every month by principal by visiting each class separately. In this process problems from students get collected and solved immediately by communicating respective subject teacher or class teacher or head of department or administrator officer.

##### 4.Paper publication by final year students

To get exposure of research area, final year students asked to take literature survey about their project work. Also students publish paper in at least one reputed journal.

##### 5.Rank Holders

Every year, university displays rankers from each department from institutes under university. In last four years, two gold medalists from Electronics and telecommunication department and One Gold medalist were honored from Computer engineering department. Also we are aiming to improve our academic so that more number of students can achieve excellent grades and technical knowledge.

NAAC

## 5. CONCLUSION

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### Additional Information :

- Institute is trying to change mindset of students from job seekers to job renders with ethical values.
- We inculcate Tobacco Free campus.

### Concluding Remarks :

- Since inception of college , we have developed and implemented teaching learning process that is benefited to holistic development of students .
- Student centric methodologies are developed and implemented.
- We are promoting research culture in the institute by motivating students as well as faculties to undertake innovative ideas .
- Institute has provided physical facilities to implement the curriculum and extra-curricular activities.
- For the overall development of students and institution,we are implementing government and non government scholarship schemes and active T&P cell.
- Vision & Mission is intune with quality policy.
- Being a technical institute,we are leading by example to create awareness about eco-friendly environment among society in the nearby region.

## 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>7</td> <td>10</td> <td>7</td> <td>7</td> <td>6</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>00</td> <td>00</td> <td>00</td> <td>01</td> <td>02</td> </tr> </tbody> </table> <p>Remark : The HEI has introduced regular diploma in the polytechnic wing of the technical campus. This diploma in Civil and Mechanical Engg is regular not counted in 2014-15 and later as it has been introduced in 2013-14. Certificate attached with 1.2.3 used for information. Apart from the regular Diploma programs, the HEI has only 02-03 days workshops which were offered only once or twice except 8051 programming and Cyber Security which was offered number of times. But since the program is only 2-3 days workshops these are not considered. Program .NET (20 days) in Jul 2014 is considered.</p>	2017-18	2016-17	2015-16	2014-15	2013-14	7	10	7	7	6	2017-18	2016-17	2015-16	2014-15	2013-14	00	00	00	01	02
2017-18	2016-17	2015-16	2014-15	2013-14																	
7	10	7	7	6																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
00	00	00	01	02																	
1.1.3	<p>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</p> <p><b>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</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>7</td> <td>10</td> <td>7</td> <td>7</td> <td>4</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>00</td> <td>02</td> <td>00</td> <td>00</td> <td>03</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	7	10	7	7	4	2017-18	2016-17	2015-16	2014-15	2013-14	00	02	00	00	03
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7	10	7	7	4																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
00	02	00	00	03																	
1.2.1	<p>Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years</p> <p><b>1.2.1.1. How many new courses are introduced within the last five years</b></p> <p>Answer before DVV Verification : 80</p>																				

Answer after DVV Verification: 69

1.2.3	<p>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</p> <p>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</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 465 1046 600"> <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>507</td> <td>537</td> <td>428</td> <td>280</td> <td>130</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 678 1046 813"> <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>152</td> <td>93</td> <td>00</td> <td>56</td> <td>00</td> </tr> </tbody> </table> <p>Remark : As per the HEI data attached with the Metric. The HEI has given a mix up data with no lead summary. The information of the courses is not complete. Most of the documents are not countersigned by the principal. The HEI has Yoga program which is not for the students but Sr Citizens. This has been included in 5.1.3 along with Soft skill and Career Counselling hence not considered here. The HEI has included 2018-19 data. The covering letters are in Marathi and the HEI has not provided attested English translation.</p>	2017-18	2016-17	2015-16	2014-15	2013-14	507	537	428	280	130	2017-18	2016-17	2015-16	2014-15	2013-14	152	93	00	56	00
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507	537	428	280	130																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
152	93	00	56	00																	
1.3.2	<p>Number of value added courses imparting transferable and life skills offered during the last five years</p> <p>1.3.2.1. Number of value-added courses imparting transferable and life skills offered during the last five years</p> <p>Answer before DVV Verification : 15</p> <p>Answer after DVV Verification: 03</p>																				
1.3.3	<p>Percentage of students undertaking field projects / internships</p> <p>1.3.3.1. Number of students undertaking field projects or internships</p> <p>Answer before DVV Verification : 356</p> <p>Answer after DVV Verification: 188</p> <p>Remark : As per the HEI data attached and input in the dialogue box, with the Metric in response.</p>																				
1.4.1	<p>Structured feedback received from</p> <p>1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise</p> <p>Answer before DVV Verification : A.Any 4 of the above</p> <p>Answer After DVV Verification: D. Any 1 of the above</p> <p>Remark : As per the attached data (operated through the link provided), only parent feed back is obtained. All parts of the attachments relate to Parent feed back only. This feed back is more of</p>																				



	administrative feed back and not for design and review of syllabus-Semester wise/ year-wise.																				
1.4.2	<p>Feedback processes of the institution may be classified as follows:</p> <p>Answer before DVV Verification : A. Feedback collected, analysed and action taken and feedback available on website</p> <p>Answer After DVV Verification: C. Feedback collected and analysed</p> <p>Remark : As per the data attached with 1.4.1 and with this Metric in response. The enclosed document is administrative action but not process of feedback action for curriculum or academic improvement.</p>																				
2.3.3	<p>Ratio of students to mentor for academic and stress related issues</p> <p>2.3.3.1. Number of mentors</p> <p>Answer before DVV Verification : 47</p> <p>Answer after DVV Verification: 33</p> <p>Remark : The Number of mentors cannot be more than the full time teachers. As per the HEI data of 3.1 the Full time faculty are 33.</p>																				
2.4.2	<p>Average percentage of full time teachers with Ph.D. during the last five years</p> <p>2.4.2.1. Number of full time teachers with Ph.D. 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>9</td> <td>4</td> <td>4</td> <td>4</td> <td>3</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>3</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	9	4	4	4	3	2017-18	2016-17	2015-16	2014-15	2013-14	3	1	1	1	1
2017-18	2016-17	2015-16	2014-15	2013-14																	
9	4	4	4	3																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
3	1	1	1	1																	
2.4.3	<p>Teaching experience per full time teacher in number of years</p> <p>2.4.3.1. Total experience of full-time teachers</p> <p>Answer before DVV Verification : 367.2 years</p> <p>Answer after DVV Verification: 349.2 years</p>																				
3.2.2	<p>Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years</p> <p>3.2.2.1. Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices 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></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14															
2017-18	2016-17	2015-16	2014-15	2013-14																	

6	4	8	6	4
---	---	---	---	---

Answer After DVV Verification :

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

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Answer before DVV Verification : Yes

Answer After DVV Verification: No

Remark : As per the HEI statement attached with the Metric in response.

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

3.3.3.1. Number of research papers in the Journals notified on UGC website during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
7	14	8	4	1

Answer After DVV Verification :

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

Remark : The HEI has not provided reference of the ugc link, as advised, for any of the claimed papers.

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
3	2	2	1	0

Answer After DVV Verification :

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

3.4.2	<p>Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years</p> <p>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</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 389 1046 524"> <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>2</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 602 1046 736"> <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>00</td> <td>00</td> <td>00</td> <td>00</td> <td>00</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	2	1	1	1	1	2017-18	2016-17	2015-16	2014-15	2013-14	00	00	00	00	00
2017-18	2016-17	2015-16	2014-15	2013-14																	
2	1	1	1	1																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
00	00	00	00	00																	
3.4.3	<p>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</p> <p>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</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 1095 1046 1229"> <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>12</td> <td>10</td> <td>9</td> <td>7</td> <td>7</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 1308 1046 1442"> <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>01</td> <td>01</td> <td>01</td> <td>01</td> <td>01</td> </tr> </tbody> </table> <p>Remark : As per the revised data attached by the HEI with the Metric all the activities have been conducted by Students Youth Club Patanjali Yog samiti Prajapita Brahmakumaris, Latur Women cell, Students Youth Club &amp; Kaveri Hospital or through the Institute. No activity has been conducted through NSS/RRC. The HEI activity of Blood donation is retained while the others are considered in 3.4.4 The HEI has 04 attachments one contains the same blood donation in multiple photographs while the other 03 contain the same data even though the years are differently marked.</p>	2017-18	2016-17	2015-16	2014-15	2013-14	12	10	9	7	7	2017-18	2016-17	2015-16	2014-15	2013-14	01	01	01	01	01
2017-18	2016-17	2015-16	2014-15	2013-14																	
12	10	9	7	7																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
01	01	01	01	01																	
3.4.4	<p>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</p> <p>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</p> <p>Answer before DVV Verification:</p>																				

2017-18	2016-17	2015-16	2014-15	2013-14
335	274	288	231	144

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
155	274	288	231	144

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
6	10	12	8	2

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
6	10	12	8	2

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)

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)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
9	9	8	10	10

Answer After DVV Verification :

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

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

4.1.3.1. Number of classrooms and seminar halls with ICT facilities

Answer before DVV Verification : 18

Answer after DVV Verification: 03

Remark : The HEI has shown a portable LCD that could be shifted. The HEI pictures though geotagged do not focus or show ICT facility. The HEI has not attached copy of the stock holding of LCD. The same is not there with the computers in 4.2

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
6.5	27.50	48	57	230

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
5.1	27.50	41.1	24.39	129.92

Remark : As per the HEI statement attached with the Metric in response. The HEI has included library books and journals also. These are dealt separately under 4.2.4.

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
0.95	4.66	4.61	8.18	4.70

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
0.95	4.66	4.61	8.17	4.70

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

Answer before DVV Verification : Yes

Answer After DVV Verification: No

Remark : As per the HEI statement attached with the Metric in response.

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

Answer before DVV Verification : Yes

Answer After DVV Verification: No

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
39	46	29	57	34

Answer After DVV Verification :

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

Remark : As per the HEI statement attached with the Metric in response. The attached data pertains to Govt of India post SSC scholarship and NOT scholarships, freeships, etc. provided by the institution besides government schemes during the last five years.

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

Answer before DVV Verification : A. 7 or more of the above

Answer After DVV Verification: D. Any 4 of the above

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
173	133	113	89	15

Answer After DVV Verification :

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

Remark : The HEI has provided attendance of 10 Jul 2017 in some context, though marked VET. As per the Metric 1.3.2 there are 03 VET courses and this attendance is for none of these VET's.

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

Answer before DVV Verification : Yes

Answer After DVV Verification: Yes

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
20	20	15	17	17

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
22	22	16	18	18

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 : A. All 5 of the above

Answer After DVV Verification: D. Any 2 of the above

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
11	3	5	1	0

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
10	11	01	05	01

Remark : As per the HEI data attached. There are 27 faculty members in the data that have multiple claims in the same year. The HEI has 2019 data and 2018 data does not specify any dates for AY.

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

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

Answer before DVV Verification:

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

Answer After DVV Verification :

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

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
7	2	2	19	12

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
06	05	02	0	0



Remark : There appears to be no link between the Excel file attached with the SSR and the certificates attached. The certificates are not in chronological order nor a summary table is available. The HEI has included data of 2018-19 as well and there are no certificates for 2013-14-15-16.

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
10	11	10	9	5

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
01	0	0	0	0

Remark : The HEI minutes all are from 2017-18 (one from 2018-19). All have same agenda which is general academic monitoring not aimed towards or any proposal/ discussion of quality initiatives by IQAC for promoting quality year-wise for the last five years.

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

Answer before DVV Verification : B. Any 3 of the above

Answer After DVV Verification: C. Any 2 of the above

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

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

Answer before DVV Verification:

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

2	2	4	1	0
---	---	---	---	---

Answer After DVV Verification :

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

7.1.4	<p>Percentage of annual lighting power requirements met through LED bulbs</p> <p>7.1.4.1. Annual lighting power requirement met through LED bulbs (in KWH)          Answer before DVV Verification : 0.180          Answer after DVV Verification: 0</p> <p>7.1.4.2. Annual lighting power requirement (in KWH)          Answer before DVV Verification : 7.164</p>																				
7.1.9	<p>Differently abled (Divyangjan) Friendliness Resources available in the institution:</p> <ol style="list-style-type: none"> <li>1. Physical facilities</li> <li>2. Provision for lift</li> <li>3. Ramp / Rails</li> <li>4. Braille Software/facilities</li> <li>5. Rest Rooms</li> <li>6. Scribes for examination</li> <li>7. Special skill development for differently abled students</li> <li>8. Any other similar facility (Specify)</li> </ol> <p>Answer before DVV Verification : B. At least 6 of the above          Answer After DVV Verification: C. At least 4 of the above</p> <p>Remark : The HEI has shown one ramp which is comprises of a half step and ramp. No photograph with rails has been shown. The toilet is a general toilet and is not fitted with any special fittings to be classified as Differently abled (Divyangjan) Friendly Resource. Provision of lift and scribe considered along with physical facilities.</p>																				
7.1.10	<p>Number of Specific initiatives to address locational advantages and disadvantages during the last five years</p> <p>7.1.10.1. Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 1610 1046 1744"> <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>1</td> <td>1</td> <td>1</td> <td>1</td> <td>5</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 1823 1046 1957"> <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>00</td> <td>00</td> <td>00</td> <td>00</td> <td>00</td> </tr> </tbody> </table> <p>Remark : The HEI link shows error for opening. The HEI Excel file does not exhibit any specific initiatives taken by the HEI to address locational advantages and disadvantages year-wise during the</p>	2017-18	2016-17	2015-16	2014-15	2013-14	1	1	1	1	5	2017-18	2016-17	2015-16	2014-15	2013-14	00	00	00	00	00
2017-18	2016-17	2015-16	2014-15	2013-14																	
1	1	1	1	5																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
00	00	00	00	00																	

	last five years.																				
7.1.11	<p>Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)</p> <p>7.1.11.1. Number of initiatives taken to engage with and contribute to local community 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>1</td> <td>1</td> <td>1</td> <td>1</td> <td>5</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>00</td> <td>00</td> <td>00</td> <td>00</td> <td>00</td> </tr> </tbody> </table> <p>Remark : The HEI link shows error for opening. The HEI Excel file does not exhibit any specific initiatives taken by the HEI to engage with and contribute to local community year-wise during the last five years.</p>	2017-18	2016-17	2015-16	2014-15	2013-14	1	1	1	1	5	2017-18	2016-17	2015-16	2014-15	2013-14	00	00	00	00	00
2017-18	2016-17	2015-16	2014-15	2013-14																	
1	1	1	1	5																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
00	00	00	00	00																	
7.1.12	<p>Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff</p> <p>Answer before DVV Verification : Yes Answer After DVV Verification: No</p> <p>Remark : What the HEI has attached are the functions and the Organization set up of the college and not Code of Conduct. The HEI was requested to make its own Code of Conduct and provide the same on its website or a signed copy with the response. the same has not been provided.</p>																				
7.1.14	<p>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</p> <p>Answer before DVV Verification : Yes Answer After DVV Verification: No</p>																				
7.1.16	<p>The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions</p> <p>Answer before DVV Verification : Yes Answer After DVV Verification: No</p> <p>Remark : the HEI was advised to ensure that the Professional code prescribed by statutory body (AICTE/ugc or the University) was available in Web link of the HEI website. However the same in not done. The link is general AICTE website and not specific to HEI.</p>																				
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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
7	7	5	4	4

Answer After DVV Verification :

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

Remark : The HEI link shows error for opening. The HEI Excel file does not exhibit any 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. The HEI has included Visit to Solar Plant, Virtual Campus Recruitment Program Sandipani Social Scholarship Scheme. these are not eligible. Tree plantation and donation to farmers considered. Yoga day and program on religious intolerance and Human Life and Values by ISCON considered.

## 2.Extended Profile Deviations

ID	Extended Questions																				
1.1	Number of courses offered by the institution across all programs during the last five years Answer before DVV Verification : 237 Answer after DVV Verification : 232																				
2.1	Number of students year-wise during the last five years  Answer before DVV Verification: <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>661</td> <td>648</td> <td>574</td> <td>491</td> <td>294</td> </tr> </tbody> </table> Answer After DVV Verification: <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>661</td> <td>648</td> <td>574</td> <td>491</td> <td>284</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	661	648	574	491	294	2017-18	2016-17	2015-16	2014-15	2013-14	661	648	574	491	284
2017-18	2016-17	2015-16	2014-15	2013-14																	
661	648	574	491	294																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
661	648	574	491	284																	
2.2	Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years  Answer before DVV Verification:																				

2017-18	2016-17	2015-16	2014-15	2013-14
90	113	150	150	150

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
90	150	150	150	150

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
155	137	86	29	00

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
198	187	132	56	01

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
47	42	56	47	35

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
33	34	44	45	35

4.3 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
337.36	553.22	516.53	409.48	319.61

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
137.36	163.22	148.53	121.48	169.61