



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

**SHAHAJIRAO PATIL VIKAS PRATISHTHAN, S. B. PATIL
COLLEGE OF ENGINEERING**

AT- VANGALI, PUNE SOLAPUR EXPRESS HIGHWAY

413106

www.sbpcoe.com

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

June 2022

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

S.B. Patil College of Engineering was established with the aim of imparting quality education in the field of Engineering.

In view of today's challenging environment, a responsibility is placed on the shoulders of young men & women possessing skills to manage the complex social environment. For this, the students of new era are required to be well-equipped with knowledge, skills, and inspiration to lead.

Shahajirao Patil Vikas Pratishthan, a charitable trust was established by the visionary leader Hon. Shri. Harshavardhanji Patil in the year 2006 with a broader objective of creating state of the art education facilities with global standards to the rural students. Mr. Patil belongs to a family of committed social workers coming from the constituency of Indapur in Pune district. His uncle Late Shri Shankarraoji Patil as well as His father, Late Shri Shahajirao Patil were dedicated congressmen, well known leaders and had a legendary contribution to uplifting the social status in that area.

We invite all those who share our vision, goal, and purpose and will give justice to our efforts in building a new cadre of graduates in the field of Engineering.

Vision

To be the fountainhead of novel ideas and innovations in technology and science dedicated to the service of the nation.

Mission

To create an ambiance of academic excellence and to impart value-based quality education to the student to groom them to be conscious professional engineers and good citizens for nation building and disseminate knowledge in mass for sustainable socio-economic development of society.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Qualified, dedicated, and experienced teaching faculty.
- Students of weaker sections are admitted as per reservation policy.
- Supportive management and administration.
- Remarkable contribution of the NSS Cell.
- College is graduating first generation learners from rural area.

Institutional Weakness

- Lack of autonomy in curriculum designing.
- Lack of Funding from individuals, philanthropers.
- No provision for institute level scholarship to the students.
- Less number of Ph.D holders faculty.
- Less number of students progressing to higher education.

Institutional Opportunity

- Getting NAAC re-accreditation with good grade.
- Opportunity of empowering students from backward and rural region.
- Fetching research grants from government and non-government sponsoring agencies.
- Strengthening alumni association for the development of the college.
- Doing MoUs with industries and institutes of good reputation.

Institutional Challenge

- Current scenario of admission in Engineering Programs.
- Average quality of admitted students.
- Tie-ups with national and international educational institutes.
- Faculty retention.
- Delay in disbursement of Scholarship Amount from Government.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The institute being affiliated to Savitribai Phule Pune University (SPPU) and adopts the syllabi prescribed by the university. However, the institute develops innovative and creative methods by using ICT tools for the effective delivery of curriculum. The identified gaps in curriculum are bridged by value added programmes and life skills programmes. The faculty members are also encouraged to attend and participate in orientation programmes/activities organized by the university. All programmes have Choice Based Credit System (CBCS) implemented with elective subjects.

The institute also addresses and integrates issues relevant to gender equity, environment and sustainability, human values, and professional ethics in addition to curriculum prescribed by the university. The students are encouraged to undergo internship in their tenure of study as well as field Visits/ Study Tours are also organized. The institute has structured feedback mechanism from all stakeholders including students, alumni, parents, employers and teachers for effective delivery of curriculum.

Teaching-learning and Evaluation

The admission process of the institution is in accordance with the DTE, Government of Maharashtra and

affiliating university guidelines. The institute admits students from various reserved categories as per the reservation policies of the competent authority. The institute caters to the learning needs of students of different backgrounds and abilities. Special efforts are taken to identify slow and advanced learners on the basis of their semester examination marks and appropriate measures are taken to satisfy their learning needs accordingly.

The institution has proficient and devoted faculty members from diverse backgrounds. The institution utilizes student-centric methods and experimental learning approaches. The teachers adopt ICT tools and e-resources to enrich the learning experiences of the students.

The institution ensures good performance from students through outcome-based education by calculating attainment levels of outcomes. The institute has adopted Continuous Internal Evaluation (CIE) mechanism prescribed by the university to achieve academic excellence. The mechanism of internal assessment is transparent and robust, covering all the learning domains. Examination related grievances are addressed at the institute as well as the university level by a well-defined, time-bound, and efficient manner. The institution adheres to the academic calendar and teaching plan for effective delivery of curriculum.

Research, Innovations and Extension

The institute puts in sincere efforts to promote research culture amongst the faculty and students by motivating and encouraging them to publish their work in reputed journals and conferences. Institute has received funding from Government as well as Non-Government agencies. The institute organizes various seminars and guest lectures to upgrade the knowledge of faculty and students.

National Service Scheme (NSS), Cultural Committee etc. have already been established in the institute to provide a platform for various extension activities. activities such as tree plantation, blood donation, disaster management, etc. are regularly organized and some of them have also received awards/appreciation from renowned agencies in surrounding area.

The institute organizes seminars/guest lectures to promote interaction between industries and the institution and MoUs are also signed with industries/ corporate houses/ firms to develop activities allied with industries.

Infrastructure and Learning Resources

The institution has adequate infrastructure with well-equipped classrooms, laboratories, library, and seminar hall as per the requirement of the AICTE and affiliating university.

The institution motivates students to participate in various extra-curricular activities. Area for outdoor sports and separate facility for indoor sports is available for the students.

The institution has a well-stocked library which is automated with software. Library has a good deal of downloaded e-books which are available to the students via open access.

For effective internet access, the institute provides high internet speed and dedicated computing facilities.

The institute has a well-defined maintenance procedure to take care of the maintenance of infrastructure including laboratories, classrooms, and student support facilities.

Student Support and Progression

The Institute continuously strives to provide excellent mechanism for support & progression of students. The students are benefitted by scholarship and free-ship schemes provided by the government.

The institute provides capability enhancement and development programmes such as guidance for competitive examinations, soft skills development, personal counselling, yoga/meditation, and remedial coaching for students. Student grievances are addressed through committees such as Grievance Redressal, Anti-Ragging, & Women's Grievances Cell or Anti sexual harassment.

Institute organizes various training Programmes and placement drives on-campus as well as off-campus to provide placement opportunities for final year students.

The students actively participate in sports/cultural activities and competitions organized at inter-college and intra-college level. The institute also maintains strong and healthy interaction with alumni through alumni meets organized every year. Institute has registered Alumni Association with funding provision.

Governance, Leadership and Management

The decisions and policies of the management are implemented through the Principal, and the coordinators of various committees. The faculty members and students have representation on decision making committees. The strategic plan is prepared and its effective implementation is carried out for the attainment of the vision and mission of the institute.

E-governance system is used for planning and development, administration, finance, student admission, and examination.

Administration takes care of key attributes such as budgetary provisions, financial support, and Infrastructure development for the smooth functioning of the institute as well as for the empowerment of the faculty and non-teaching staff.

The institute has performance appraisal system to judge the performance of teaching and non-teaching staff members.

The Principal implements the action plan to improve the quality of the teaching-learning process of the institute as per the recommendations of the IQAC cell.

The IQAC cell is functional and regular meetings are held, audits are done, and NAAC supporting works are carried out under the guidance of IQAC.

Institutional Values and Best Practices

The Institute takes adequate measures to organize the programmes related to gender equity promotion, social responsibilities, national festivals, and birth/death anniversaries of great personalities.

The institute promotes use of renewable energy (solar), Sensor based and LED bulbs. Solid, liquid, and e-waste management processes are well-structured. Institute has rain water harvesting mechanism and harvested water is used for maintaining green initiatives of the institute. Institute follows green practices such as tree plantation, plastic free campus, and partial paperless work to promote environmental consciousness and sustainability.

Notable best practices and distinctiveness of institute has been given.

NAAC

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	SHAHAJIRAO PATIL VIKAS PRATISHTHAN, S. B. PATIL COLLEGE OF ENGINEERING
Address	At- Vangali, Pune Solapur Express Highway
City	Indapur
State	Maharashtra
Pin	413106
Website	www.sbpcoe.com

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal(in-charge)	Shrinivas Tanaji Shirkande	01234-5678910	9767097310	-	sbpcoeprincipal@gmail.com
IQAC / CIQA coordinator	Ashwini Bhimarao Gavali	-	7709728158	-	dnyane.ash@gmail.com

Status of the Institution	
Institution Status	Private and 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	15-06-2009			
University to which the college is affiliated/ or which governs the college (if it is a constituent college)				
State	University name	Document		
Maharashtra	Savitribai Phule Pune University	View Document		
Details of UGC recognition				
Under Section	Date	View Document		
2f of UGC				
12B of UGC				
Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	25-06-2021	12	Renewed Annually

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	Yes
If yes, has the College applied for availing the autonomous status?	No

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	At- Vangali, Pune Solapur Express Highway	Rural	44	26683

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Civil Engineering	48	CET or Diploma	English	60	60
UG	BE,Computer Engineering	48	CET or Diploma	English	120	120
UG	BE,Electrical Engineering	48	CET or Diploma	English	60	60
UG	BE,Electronics And Telecommunication Engineering	48	CET or Diploma	English	60	60
UG	BE,Mechanical Engineering	48	CET or Diploma	English	60	58

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	8				16				48			
Recruited	0	0	0	0	0	0	0	0	19	5	0	24
Yet to Recruit	8				16				24			
Sanctioned by the Management/Society or Other Authorized Bodies	8				16				34			
Recruited	0	0	0	0	10	4	0	14	28	6	0	34
Yet to Recruit	8				2				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				34
Recruited	31	3	0	34
Yet to Recruit				0

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

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	4	1	0	0	0	0	5
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	6	3	0	43	19	0	71

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

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

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	810	1	0	0	811
	Female	328	0	0	0	328
	Others	0	0	0	0	0

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

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
General	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		0	0	0	0

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	The Vision of National Education Policy, to provide high quality education to develop human resources in our nation as global citizens, is well taken. A discussion among the faculty members were initiated
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	on the key principles of NEP such as diversity for all curriculum and pedagogy with technological innovations in teaching and learning, encouraging logical decision making and innovation, critical thinking and creativity. In view of the NEP, academic programmes may be redesigned to include Multidisciplinary /Interdisciplinary courses as electives so that students get maximum flexibility to choose elective courses offered by other Departments. It can be said that the University is proactively working towards implementation of the suggestions given in the NEP.
2. Academic bank of credits (ABC):	Under the university, the institute will also offer an online repository for all academic awards under the Digital India Program. Our university is working towards the nad.digitallocker.gov.in platform in which the National Academic Bank of Credits (ABC) portal will be integrated. The institute is already following a choice-based credit system for all of its programs and will follow the process related to the ABC as directed by the Academic Council of SPPU. The institute will formally register in the ABC portal as soon as the resolution is being approved by the higher academic bodies.
3. Skill development:	This will help to enhance the employability of our graduates as per the industry's current human resources requirements. Value Added Programs are introduced by the college to march towards the implementation of NEP in the real sense.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	The institute is of the opinion that the inclusion of knowledge from ancient India to modern India will clear the sense of India's future aspiration about education, health, and the environment.
5. Focus on Outcome based education (OBE):	The institute has implemented outcome-based education with clearly stated Programme Outcomes, Programme Specific Outcomes, and Course Outcomes. All courses are designed with outcomes cantered on cognitive abilities namely Remembering, Understanding, Applying, Analysing, Evaluating, and Creating. Apart from the domain-specific skills, learning outcomes at all levels ensure social responsibility and ethics, as well as entrepreneurial skills so that student contributes proactively to the economic, environmental, and social well-being of the nation.

6. Distance education/online education:

Due to Covid -19 pandemic, educational institutions in the country have increasingly evolved in using digital platforms for engaging classes, conducting conferences and meetings. Due to the experience gained during the closure period of Covid-19, access to online resources by educators and students will not be a constraint anymore. Institute has successfully imparted all its course content delivery in online mode during the Pandemic (COVID-19) and also conducted online examinations successfully.

NAAC

Extended Profile

1 Program

1.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
252	234	231	227	225
File Description		Document		
Institutional data in prescribed format		View Document		

1.2

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
5	5	5	5	6

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
926	779	968	1058	1105
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
180	180	180	180	180

File Description	Document
Institutional data in prescribed format	View Document

2.3

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

2020-21	2019-20	2018-19	2017-18	2016-17
279	257	307	267	379
File Description	Document			
Institutional data in prescribed format	View Document			

3 Teachers

3.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
73	75	79	82	97
File Description	Document			
Institutional data in prescribed format	View Document			

3.2

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
73	75	79	82	97
File Description	Document			
Institutional data in prescribed format	View Document			

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 19

4.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
466	441	552	636	774

4.3

Number of Computers

Response: 401

4.4

Total number of computers in the campus for academic purpose

Response: 349

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:

Institution puts rigorous efforts for effective curriculum delivery and follows the process described below:

1.Semester Planning: Before the commencement of academic semester, the institute prepares Academic Calendar according to SPPU academic calendar. All Departments follow the institute academic calendar.

2.Load distribution, elective finalization, time table preparation and resource planning: Counselling of students for electives is carried out well in advance. Accordingly, the elective choice sheet is circulated among the students for confirmation. At the end of the semester, subject choices for next semester are taken from the faculty. This choice sheet includes preferences of the teacher. As per choices from faculty and their expertise, HoD allots courses to faculty; it is conveyed in advance to respective faculty for preparation and to time table committee for preparation of time table. Before starting the semester, time table is displayed on the notice board and also conveyed to students on social media groups. Resource planning is done at the start of the semester which focuses on stock verification of laboratories, identifying required software/hardware, consumables, need of repair and maintenance of equipment. Budget is prepared according to need and sanctioned by higher management authorities.

3.Course preparation by faculty: Based on the academic calendar, faculty prepare course teaching plan, course file, laboratory assignment plan, and relevant up-gradation of lab manuals.

4.Academic Conduct: For every class, coordinator is assigned for smooth conduction and effective implementation of all academic activities. Syllabus completion review is taken on regularly. Student's performance is monitored and evaluated by conducting unit tests, prelim and mock practical and oral examinations, and counselling is done for improvement. A batch of around 20-25 students is allotted to a Mentor who conducts regular meetings with the batch to understand their academic and other problems. The problems raised by the students in the Mentor: Mentee meeting are solved by counselling and discussion. A separate record is maintained by the Mentor. Attendance monitoring is done on daily, weekly and monthly basis. Defaulter list is prepared and displayed on the notice board. Parents of defaulter students are personally called and informed accordingly. Mid-semester submission is done as a part of continuous evaluation. Faculty feedback about conduct is taken in every semester by HoD. Also, student's interaction with Mentor, Class teacher, Coordinator, HoD, Principal is taken as feedback for self-improvements and corrective measures. If feedback is not satisfactory, counselling of the faculty is done by HoD.

5.Project Coordination: Coordinators are assigned for final year projects, mini projects and PBL. Research profiles of faculties are displayed in the faculty cabin/office. Students according to their research interests approach the respective faculty member to finalize their problem statement of inhouse/industry-sponsored projects. The progress of an individual project is periodically monitored through the review

panel.

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

- The university academic calendar provides date of commencement of the academic session, duration of semester, period of examinations like university practical/oral examinations and final semester examinations etc.
- Based on the university academic calendar, college prepares the academic calendar which provides detailing of the curriculum implementation.
- For effective implementation of the curriculum, the following process is developed and deployed.
- At the outset, the meetings of all the department heads, IQAC coordinator along with Principal is conducted to develop strategies for effective implementation of the curriculum and accordingly academic calendar of institute gets prepared.
- It mentions dates of commencement of the academic session, duration of semester, period of internal assessment tests like Unit tests, Prelim examination, mock practical/oral exam, mock online exams, final semester examinations etc.
- Based on the academic calendar of the institute, every department prepares their own calendar with the inclusion of co-curricular and extra-curricular activities. It includes guest lectures, workshops/trainings for students, industrial visits, seminars and Cultural Fest, Sports Events and Tech fest.
- Mentor Mentee meetings are also planned and get executed accordingly.
- The Teaching-Learning process adopts different methods such as experiential learning, participative learning and problem solving methodologies utilizing ICT facilities, LMS like Microsoft Teams, Google Classroom to share e-resources developed by subject teachers during pandemic.
- Mentoring system is in place for counselling and to monitor academic and personal issues of students.
- Continuous Internal Evaluation (CIE) is done on the basis of assignments, unit test, prelim exam and insem exam performance for every course in each semester.
- The internal marks evaluation scheme is conveyed by head of the department to the students at the start of each semester during induction program. The syllabus of the course and its COs, POs, PSOs and question paper pattern is discussed with the students by the subject teachers in the beginning of the new session.
- Transparency is maintained while awarding internal marks. Internal assessment marks are given on the basis of performance of student in unit test, prelim exam and insem exam performance, marks obtained in assignments, regularity of attendance, participation in different activities like competitions, workshops, seminars, industrial training/ internships, sports etc. and efforts taken by the student to improve his/her performance over the semester.
- Lab assignment completion and practical performance is also taken into consideration for continuous internal evaluation. After the completion of each practical, student needs to complete the lab assignment work and get it assessed by the respective teacher.

1.1.3 Teachers of the Institution participate in following activities related to curriculum

development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. Academic council/BoS of Affiliating university
2. Setting of question papers for UG/PG programs
3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
4. Assessment /evaluation process of the affiliating University

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	View Document

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Response: 100

1.2.1.1 Number of Programmes in which CBCS/ Elective course system implemented.

Response: 5

File Description	Document
Institutional data in prescribed format	View Document

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 75

1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.

2020-21	2019-20	2018-19	2017-18	2016-17
15	15	15	15	15

File Description	Document
Institutional data in prescribed format	View Document

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 88.68

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

2020-21	2019-20	2018-19	2017-18	2016-17
827	719	804	906	1029

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

The present curriculum has integrated all above issues through core, elective and audit courses.

Courses to address Professional Ethics and Human Values:

For almost all programs, these courses are offered as mandatory audit courses such as Leadership and Personality Development, Professional Ethics and Etiquettes, Essence of Indian Traditional Knowledge, Code of conduct, Humanity and Social Sciences, Social Awareness and Governance Program, Intellectual Property Rights and Patents, Emotional Intelligence, Human Behaviour, Globalization and Culture, Patent

Courses to address Environment and Sustainability:

The curriculum includes various courses that address Environment, concern for environment, awareness on hazards for environment. For example, the first year B.E. the program includes a mandatory audit course in both the semesters on 'Environmental Studies' (based on the AICTE mandatory guideline). In addition to this, mandatory audit courses at 2nd, 3rd and 4th year level have been incorporated by university in all programs, e.g. Water Management, Ecology and Environment, Ecology and Society, Science-Technology and Society, Green Construction and Design, Smart Cities, Sustainable Energy Systems, Energy Resources, Economics and Environment, Non-Conventional Energy Resources, Industrial Safety and Environment Consciousness, Green Computing, Sustainable energy systems, Urbanization and Environment, Environmental & Resource Economics, Environment and Development. Apart from this, there are core and elective courses to Civil and Mechanical programs such as Environmental Biotechnology, Bioenergy and Renewable Resources, Environmental Engineering, Water Supply Engineering, Hydrology and water resources engineering, Energy Audit and Management, Solar and wind energy, Energy engineering, etc.

In addition to enriching the curriculum by integrating cross-cutting issues, the institute takes additional efforts through the NSS unit to alert the students about Human values, Ethics, Environment and Gender awareness. NSS organizes various social events such as Blood donation camp, Tree plantation. Road Safety Awareness etc. The institute provides equal opportunities to boys and girls in all types of student activities organized. The institute conducts every year annual events which includes cultural, sports and

technical competition involving equal participation of boys and girls. Special programs for girl students are arranged towards achieving Women Empowerment. The institute has established a 'Ladies Grievance Cell' to sensitize the students and employees on gender issues, make them aware of the social, moral, and legal implication of gender discrimination, encourage value education upholding gender equality, and at the same time to deal with instances of sexual harassment on campus. The institute's "SC-ST Cell" is also functioning well. Awareness programs and events are organized on national and international days of importance such as World Water Day, World Environment Day, World Health Day, World Cancer Day, World AIDS Day, International Women's Day, Mother's Day, Teachers Day, Engineers Day, Republic Day, Independence Day, Yoga Day, Sports Day etc.

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 20.87

1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
54	48	44	47	51

File Description

Document

Institutional data in prescribed format

[View Document](#)

1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 100

1.3.3.1 Number of students undertaking project work/field work / internships

Response: 926

File Description

Document

Institutional data in prescribed format

[View Document](#)

1.4 Feedback System

1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2) Teachers 3) Employers 4) Alumni

Response: A. All of the above

1.4.2 Feedback process of the Institution may be classified as follows: Options:

- 1.Feedback collected, analysed and action taken and feedback available on website**
- 2.Feedback collected, analysed and action has been taken**
- 3.Feedback collected and analysed**
- 4.Feedback collected**
- 5. Feedback not collected**

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

NAAC

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 73.67

2.1.1.1 Number of students admitted year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
262	208	248	309	299

2.1.1.2 Number of sanctioned seats year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
360	360	360	360	360

File Description	Document
Institutional data in prescribed format	View Document

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 76.11

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

2020-21	2019-20	2018-19	2017-18	2016-17
110	120	113	168	174

File Description	Document
Institutional data in prescribed format	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

Students get admitted in the first year and in the second year through DTE. An induction program is arranged and conducted to motivate them and familiarize them with the university curriculum and the resources available at the institute like a library, different laboratories, canteen, various departments, open area, sports ground, workshop. The institute has a see-through mechanism to identify the learning levels of the students which is based on their academic performance. Slow learners are also identified on the basis of marks obtained by students in internal examinations. Advanced learners are identified based on the performance of students in University Examination.

Initiatives for Assisting Slow learner

- 1) Remedial classes are conducted by respective subject teachers.
- 2) Academic and personal counselling is given to the slow learners by the tutor, mentor during remedial class and mentoring meeting.
- 3) The performance of students is communicated to parents through SMS and phone calls as and when required.
- 4) Parent Teacher Meetings are conducted periodically to have interaction between faculty members and the parents to discuss the progress of their wards

Initiatives for the advanced learners

Students are guided for various Competitive Examinations like GATE, GRE, MPSC, UPSC etc. Students are motivated to enrol for different certifications courses like Spoken-Tutorials arranged by IIT Bombay. The students having orientation towards research are supported by faculty members to conduct their research in the right direction and publish their work in National / International Conferences / Journals. Students are supported to complete internships to get additional knowledge in their domain. Motivation and support is provided to attend conferences, workshops, and project competitions. Value addition programmes are arranged for students. Students are encouraged for higher education. Students are encouraged to apply for web based online courses like NPTEL, SWAYAM, which gives them a platform to choose the courses of their interest. Also advanced learners are motivated to showcase their skillset in co curricular and extra curricular activities.

Outcomes:-

After taking initiatives for slow learners, these students have shown better performance in university

examinations.

After taking initiatives for advanced learners, these students have participated in various events like spoken tutorials, value addition programmes. Such students have published papers in conferences, journals and have shown better performance in placements also.

Thus, the institute has a systematic procedure in place for assessing the learning levels of students and motivating them to engage into the academics along with all other activities on the campus for grooming them into a skillful engineer.

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 13:1

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 institution ensures student centric methods, such as experiential learning, participative learning and problem solving methodologies both inside and outside the classroom.

Experiential Learning:

1. Students are learning through the seminars, mini projects, and projects as a part of curriculum.
2. Students are encouraged to take internship training or on the job training.
3. Departments plan and organize the industrial/institutional visits, field visits for students to provide exposure to industrial work culture as well as a part of curriculum.
4. Students are encouraged to have online certifications offered by online platforms like SWAYAM, NPTEL, Spoken Tutorial of IITB, Udemy, edX, Coursera etc.
5. Institute invites experts from industry, academicians, alumni across the world to share their knowledge and experiences through which students have experiential learning.
6. Students are inspired to write technical papers.

7. Few laboratory sessions are engaged by means of Virtual Laboratories.
8. Online tools such as Compilers, Tinkercad and Scilab are used to conduct various laboratory sessions.
9. Modelling and analysis of structural components using suitable tools.

Participative Learning:

1. Students learn through group activities in various workshops and seminars.
2. Students participate in groups to solve different problems through mini projects and projects.
3. Students are delivering presentations on various case studies involving technical topics.
4. Students are encouraged to learn through participation in NSS activities.

Problem solving methodologies:

1. To develop problem solving ability, Project Based Learning has been included in the curriculum.
2. Students are learning through the mini projects and projects as a part of curriculum.
3. Students are motivated to participate in Hackathons, IoT challenges, problem solving competitions.

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

The institute adopts Information and Communication Technology (ICT) enabled teaching learning process by providing the required infrastructure in addition to traditional classroom teaching. To enhance the learning experience of the students, recent educational methodologies are used by faculty members to make teaching learning a joyful experience.

1. For all the programs, the institute has ICT enabled classrooms. These classrooms include multimedia

teaching aids such as LCD projectors, Wi-Fi/ internet connection, computer/laptop, audio system etc.

2.The institute encourages the faculty members to use these recent teaching tools. These tools are Power Point Presentations (PPTs), related videos, animations, free online resources etc. to deliver the lectures to create the interest among the students, thus improving the effectiveness of the teaching- learning process.

3.Virtual laboratories and free online tools such as Compilers, SCILAB, AutoCAD and other simulators are used for conducting laboratory sessions.

4.The institute has seminar halls for all the programs and also has auditorium equipped with multimedia facilities. Expert sessions, invited talks, seminars, conferences and workshops are conducted frequently in these seminar halls. The emphasis is given on interaction of students in terms of research paper presentations, debates, group discussions. With the help of ICT enabled tools, Communication skill classes/Mock tests are conducted which help the students to face the campus placement.

5.Swayam/NPTEL/MOOC, Virtual laboratory, SPOKEN TUTORIAL-IIT Bombay, such online resources are made available to the students. To demonstrate this, audio-visual tools are effectively exploited by the faculty members.

6.Due to COVID-19 pandemic situation, it was necessary for the faculty members to switch from traditional chalk and board teaching learning method to online mode. Faculty members have fluently adopted various Platforms such as Zoom, Google Meet, Microsoft Teams, etc.

7.Google / Microsoft platform were effectively used to upload video lectures, e-books/e material, assignments, practical submissions and online MCQ tests.

8.Faculty members use social media platforms like WhatsApp and Telegram to connect with the students and parents individually and collectively beyond the classroom for giving extra information and support to students.

All these multimedia aids make the learning experience of students' interactive, effective and enjoyable.

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 14:1

2.3.3.1 Number of mentors

Response: 66

2.4 Teacher Profile and Quality

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

Response: 100

File Description	Document
Institutional data in prescribed format	View Document

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 6.41

2.4.2.1 Number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
8	7	3	4	3

File Description	Document
Institutional data in prescribed format	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 6.85

2.4.3.1 Total experience of full-time teachers

Response: 500.4

File Description	Document
Institutional data in prescribed format	View Document

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

The students undergo both Internal and external assessments. The internal assessment carried out by the Institute is well-set process. The frequency and mode of internal assessments are defined at the start of the academics so that students plan their studies accordingly. These assessments are carried out by the faculties timely and transparently. The following table explores these assessment modes–

Table: Internal assessment frequency and mode

Sr. No.	Internal Assessment Tool	Frequency	Mode
1	Assignments/Class test/Mock test	2-6 per course	Paper/soft/Oral
2	Tutorials	3-6 per course	Paper/soft
3	Understanding of lab experiments	6-10 per course	Oral
4	Project evaluation	Once/Twice per semester	Through presentations
5	Mini project evaluation	Once per semester	Through presentations
6	Term work Assessment	Continuously for each experiment in semester	Paper/soft
7	Project based learning	One per semester	Paper/soft/implementation/presentation

Continuous internal assessment of the students is carried out by assigning appropriate weight-age for understanding of experiments, presentation in file/journal, regularity in the laboratories, etc. This assessment is transparent and carried out in presence of the students in the laboratories. Internal assessment of the project work of final year students is also carried out throughout the academic year. It consists of presentations given by the students periodically. These presentations and hence project work is evaluated by the panel of faculties. Project guide is member of panel. The marks obtained by the students are disseminated in the project group so that students should enhance the work.

Mini project is also part of programme in various departments. These projects are assigned to the students in groups. Every student in the group works on the tasks accordingly. It is complete term activity spread throughout the semester. Every student is continuously evaluated by the respective allotted guide. The exhibition cum demonstrations is also organized at the end of the term. A panel of referees evaluate the students based on various criteria. Many times, the groups are given the ranks to motivate the students. Every student is again examined by the University appointed examiners for assessment.

Project Based Learning (PBL) consists of identification of problem, applying thought process to its probable solutions and showcasing the innovative solution to it. This enhances overall development of the students which in turn helps in professional jobs and individual startups.

Assignments and tutorials are the important components of internal assessment process. The problem statements based on content of the course are given to the students regularly so as to maintain the consistency throughout the semester. These efforts helped students in building up strong fundamentals and foundations of technology. Similarly, it helps students to remain alert and updated continuously. Quizzes are also organized by many faculties for various courses so as to maintain enthusiasm in the learning environment.

Class tests and Mock tests are organized by the programmes throughout the academic year. Normally, two class tests are organized per course per semester. The answer papers are timely assessed by the faculties.

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

Response:

1. Assessment of Term Work

Term work assessment is the transparent process which consists of evaluation based on regularity, presentation, understanding. The students are evaluated by the faculty in the laboratory itself. The grievance if any are resolved by the faculty immediately.

2. Class Tests & Assignments

Class tests are conducted for each theory course twice per semester. The conduction is online/offline mode. Discrepancy or grievance if any is resolved by the faculty immediately.

3. Continuous Evaluation of Projects/Mini Projects

Internal assessment of the project work of final year students is carried out throughout the academic year. It consists of presentations given by the students periodically. These presentations and hence project work is evaluated by the panel of faculties. Project guide is member of panel. The marks obtained by the students are disseminated in the project group so that students should enhance the work. Thus, the assessment is transparent and query if any is resolved by the guide, panel & respective coordinator.

4. External/ University Examinations

External examinations are an important criterion in the overall assessment process. When the examinations are scheduled in liaison with Savitribai Phule Pune University, various processes start for smooth conduction of the examinations. Sometimes students face difficulties and there are registered complains at various stages accordingly. Such exemplary cases are mentioned here. Examination form fill - up and payment of fee process is online. Sometimes students stuck in the process and cannot proceed ahead due to one or the other reason. In such cases, students report to examination section and get his/her difficulty solved. Similarly, there are few complains reported pertaining to the Hall - Ticket. These are also resolved by the office timely. When the students appear for examinations and the results are declared by the University, there are few cases of variation in the names, results etc. which is not as per expectations of the students. Such cases are resolved by the Institute through communication with the University. Thus, all such issues raised by the students are solved by the Institute timely and transparently.

2.6 Student Performance and Learning Outcomes

2.6.1 Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Response:

Institute follows Outcome Based Education (OBE) system. The main crux of implementation of implementation of OBE is appropriate defining of Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs). The Process of defining of POs, PSOs and COs involves various stakeholders.

Programme Outcomes and Programme Specific Outcomes:

POs are designed by taking into consideration the attributes required for Engineering graduates such as domain competency, environment and sustainability, ethics, team work, communication, project management and finance and lifelong learning. On the basis of the specialization of the field PSOs are framed by the department. While defining the POs and PSOs, it is ensured that these POs and PSOs are aligned with Vision and Mission statements of respective Departments and Institute. The defined POs and PSOs are put before various statutory committees. The approved POs, PSOs and COs are communicated back to the Teachers and Students through various sources as given below.

- Institute Website
- Institute Corridor
- Entrance of the Department
- HOD Cabin
- Department Corridor
- Course Files of Teachers
- Notebooks of students

Course Outcomes:

Course Outcomes (COs) are the significant and essential learning that a learner achieves on completion of the course. Course Expert defines Course Outcomes based on University Syllabus and Bloom's Taxonomy. The COs are aligned with Programme Outcomes (POs) and Programme Specific Outcomes (PSOs). COs are disseminated as follows.

- Institute Website
- Laboratory Notice Board
- Course Files of Teachers
- Notebooks of the students
- Lab books of the students

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

The attainment of various outcomes like COs, POs, PSOs, and PEOs is carried out in four stages namely: Planning, Implementation, Evaluation, and Action Taken.

1. Planning:-

Various outcomes are defined and a correlation is established between outcomes and tools used. A mapping matrix is prepared in this regard for every CO, PO, and PSO in the program including the elective subjects.

2. Implementation:-

An individual faculty member uses different direct tools like Class Tests, University Exam, Assignments, Seminars, Projects, etc., for the evaluation of Course outcomes (COs). The principal evaluates POs and PSOs by using the evaluation of COs and Indirect Tools like Surveys/Feedback from Alumni, Employer, Parents, Teachers, and Students. PEOs are also evaluated by using Indirect Tools only.

3. Evaluation:-

Attainment of all outcomes is calculated and compared with the expected level of attainment decided by the subject teacher for COs and Principal for POs, PSOs, and PEOs.

4. Action Taken:-

If attainment is up to the expectation, then appreciation is extended to the concerned faculty member and in case of deviation from the expected attainment of outcome necessary corrective actions are initiated to improve the outcome as per expectations.

2.6.3 Average pass percentage of Students during last five years

Response: 91.29

2.6.3.1 Total number of final year students who passed the university examination year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
274	246	245	235	322

2.6.3.2 Total number of final year students who appeared for the university examination year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
279	259	285	261	369

File Description	Document
Institutional data in prescribed format	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Upload database of all currently enrolled students (Data Template)	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 31.52

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
0	22.95	3.5	1.35	3.72

File Description

Document

Institutional data in prescribed format

[View Document](#)

3.1.2 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 44

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	3	2	2	4

3.1.2.2 Number of departments offering academic programmes

2020-21	2019-20	2018-19	2017-18	2016-17
5	5	5	5	5

File Description

Document

Institutional data in prescribed format

[View Document](#)

3.1.3 Number of Seminars/conferences/workshops conducted by the institution during the last five years**Response:** 222**3.1.3.1 Total number of Seminars/conferences/workshops conducted by the institution year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
34	31	48	43	66

File Description**Document**

Institutional data in prescribed format

[View Document](#)**3.2 Research Publications and Awards****3.2.1 Number of papers published per teacher in the Journals notified on UGC website during the last five years****Response:** 3.5**3.2.1.1 Number of research papers in the Journals notified on UGC website during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
51	53	55	57	68

File Description**Document**

Institutional data in prescribed format

[View Document](#)**3.2.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years****Response:** 0.86**3.2.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
10	10	27	9	14

File Description	Document
Institutional data in prescribed format	View Document

3.3 Extension Activities

3.3.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

The vision of the Institute is to produce not only good engineers but good human beings also. Therefore, we are taking efforts to add values of good citizenship in our students by the teachers and student peer groups.

The Institute organizes various activities through which students are equipped with appropriate skills for their holistic development. In the Institute, the extension activities for social causes are carried out through the National Service Scheme (NSS) and Student Council. Faculty coordinators inspire and support while conducting such activities. While handling the responsibilities during various social movements, students get an opportunity to play a citizenship role.

Activities of NSS are well structured. The Students from all departments participate in various NSS activities with passion. Faculty coordinators and student coordinators take initiative to schedule and carry out the activities. The detailed plan of execution is prepared and activities are conducted with full energy and zeal. During the process, students not only get a platform to highlight their team building and leadership qualities but also get awareness about their social responsibilities.

The institution promotes various activities like visits to old-age homes, orphanages, Village camps etc. During such visits, the faculty and students spend quality time interacting with the senior citizens, villagers and conduct activities to gladden their lives.

The NSS unit and Student Council in particular organizes various activities to contribute to the development of the society. The major activities are - Blood donation camp, Cloth donation, Help to flood affected people, tree plantation, Awareness on road safety, Survey of Non-schooling children education, Swachh Bharat Abhiyan, NSS camp for rural development, Celebration of Days-Yoga Day, International Youth day, Independence Day, Engineers day, NSS day, World Heart Day, National Unity Day, Sadbhavana day.

In all the above activities, students are involved from planning of the program till execution of the program. They organize different activities, participate in these activities, interact with guests and thus increase socializing experience.

In turn, students disseminate the inputs to the neighbourhood and the public at large through street plays, poster and essay competitions, debates based on socially-relevant themes like education, literacy, cyber-crimes etc. Sessions are also conducted for female students where they are taught various self-defence techniques.

The social work of dedicated NSS Unit is appreciated by the Government and Non-Government Agencies with appreciation certificates.

All the above activities lead towards overall development of the students.

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

Response: 72

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

2020-21	2019-20	2018-19	2017-18	2016-17
12	22	16	15	7

File Description

Document

Institutional data in prescribed format

[View Document](#)

3.3.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 72

3.3.3.1 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
12	22	16	15	7

File Description

Document

Institutional data in prescribed format

[View Document](#)

3.3.4 Average percentage of students participating in extension activities at 3.3.3. above during last five years**Response:** 100**3.3.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
926	779	968	1058	1105

File Description	Document
Institutional data in prescribed format	View Document

3.4 Collaboration**3.4.1 The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-job training, research etc during the last five years****Response:** 1077**3.4.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-job training, research etc year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
165	271	208	232	201

File Description	Document
Institutional data in prescribed format	View Document

3.4.2 Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the last five years**Response:** 25**3.4.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
1	2	7	9	6

File Description	Document
Institutional data in prescribed format(Data template)	View Document

NAAC

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

S.B. Patil College of Engineering is situated in beautiful landscape and have well equipped laboratories, spacious classrooms and good infrastructure facilities.

Teaching-Learning Facilities

1. Classrooms

All the classrooms in the institute are furnished, capacious and well ventilated. All the classrooms are equipped with Desks, bench, Platform, Fans, Tube lights, Green board, LCD Projector, curtains and LAN/Wi-Fi connectivity thus creating the conducive environment for teaching-learning.

2. Laboratories

Laboratory facilities are as per the AICTE norms satisfying the requirements of furniture, carpet area, lighting, and ventilation. These well-equipped laboratories provide adequate experimental set-ups for carrying out experiments as per the University syllabus. The laboratories are permitted to open beyond college working hours depending on the need of students.

3. Computing Equipment

The institute has 401 computer systems with licensed software installed. Sufficient number of supporting equipment like scanners and printers are also available. Internet facility of bandwidth 100 Mbps is also into existence. To secure internal LAN, antivirus is installed. Adequate licensed/ Free software is available with every department as per the requirements of the syllabus.

4. Seminar Halls and Smart Class Room

College has well equipped seminar halls with adequate seating capacity, with facilities like LCD projectors, whiteboards, raised platforms and public-address system with internet

facility to make it suitable for the big gatherings.

5. Departmental Library

Every department has the departmental library situated in same building of the department, making it convenient for the students and faculties to access the text books, reference books and project reports etc.

6. Central Workshop

Various sections in the central workshop like machine shop, fitting, sheet metal working, welding, carpentry and foundry are well equipped with conventional machines / tools.

7. Drawing Hall

Drawing Hall is equipped with drawing boards, stools, chalk boards.

8. Central Library

Central library is enriched with books of various current as well as syllabi-based books, journals and e-journals of all disciplines of Engineering and Engineering Sciences. English, Marathi newspapers are made available in the central library.

9. Training and Placement Cell

Central Placement Cell is established for training and placement activity and is well equipped to carry out skill development activities etc.

10. Faculty Rooms

Individual/shared faculty rooms are equipped with the required furniture along with LAN connection.

11. Washroom and Drinking Water Facility

Adequate Gents and Ladies washrooms are available on every floor along with water purification and cooler facility.

12. Hostel Facility

Separate hostel accommodation for girls and boys is available.

13. Other Facilities

Canteen facility, Photocopy Centre, Laundry, ATM are also available in the campus.

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

Response:

The institute focuses on overall development of the students through participation in co-curricular and extra-curricular activities. Outdoor and indoor sports and games contribute significantly in grooming students. Qualities like leadership, Team spirit, and competitive spirit can be inculcated amongst the students through such sports activities. Students are encouraged to participate in different sports/Games

and cultural activities. Cultural activities are conducted in the seminar halls, Auditorium and open-air cultural centre of the institution.

Sports and Games

The institute has a spacious and well equipped indoor-sports room, where students can play games. Sufficient area is allocated to outdoor sports and games with adequate facilities. Well laid courts and grounds are available for games such as cricket, badminton, volleyball, throw ball etc. Institution encourages students to participate in intra-college, inter-college, university-level, district level, state-level competitions and national level competitions. Institute has employed well qualified and experienced physical director, who trains and supervises students actively participating in various sports and games activities and competitions.

Cultural Activities

All the seminar halls, auditorium and open air cultural centre are provided with adequate facilities to conduct various cultural activities. Cultural activities are conducted in these seminar halls and auditorium on different occasions like fresher's day, Annual day and on such other important occasions. Students are encouraged to actively participate and showcase their talent and skills. Students are encouraged to participate in co-curricular and extracurricular activities in inter-college, inter-university and in National level competitions.

As a result, students have earned many applaus at various competitions at University, State and National level sports, cultural and technical competitions.

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 19

File Description	Document
Institutional data in prescribed format(Data template)	View Document

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 7.47**4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
7.46	16.72	50.28	50.08	115.75

File Description	Document
Institutional data in prescribed format(Data template)	View Document

4.2 Library as a Learning Resource**4.2.1 Library is automated using Integrated Library Management System (ILMS)****Response:**

The Central Library of SPVP's S. B. Patil Collage of Engineering, Indapur is established in the year 2009. The Central library is located in S. B. Patil College of engineering building in room no. 212. There are various sections available in the library. Such as Reading Room, Circulation section, digital library section, Book stack section, Journal/Magazine section etc. The total carpet area of the library is 412 Sq. meter. Books are classified as per DDC (Dewey Decimal Classification) and arranged by course wise. The Central Library of S. B. Patil College of Engineering is fully automated.

The **Vridhhi Software** is being used for Library automation since the establishment of Central Library. The Barcode based issue/return system is used. College Faculty members and Students are the users of the Library.

The **KOHA LMIS and INOUT** Management software is also using from the year 2019. The KOHA open source Software is mainly used for OPAC. Currently we have developed Android app for books searching. Daily around 180-200 users visit to the library. Open access is given to all staff and students. Book lending facility is also available. Student can borrow 4 books for 7 days period. Faculty members can borrow 5 books for 15 days period. Book renewal facility is also provided by the library. Book reservation facility is also available for all users of the library. The various types of reading material are available in the library. Such as Books, Journals, CD/DVD, bound volumes of Journals Reference Books, Hand Books, Encyclopedias, and Dictionary etc. Central Library is member of Developing Library Network (DELNET). The Infotrac Engineering Science and Technology Collection (IESTC) E-Journal Package of GALE Cengage is also subscribed. This e-journal package includes 536 journal titles from various publishers. Bound volumes of Journals are also available in the library. Reading room facility is also available. The total seating capacity of reading room is 180. There is a separate arraignment for boys and girls and faculty members. Daily approximately 200 users use the reading room facility.

Summary Points of Library

Name of Library Software:

- Vriddhi Software
- KOHA LMIS
- INOUT Management software

Date of implementation:

- Vriddhi Software : 2009
- KOHA LMIS : 2019
- INOUT Management software : 2019

Nature of Automation:

- Vriddhi Software : Fully Automated
- KOHA LMIS : Partially Automated
- INOUT Management software : Fully Automated

Per Day Usage: Average per day 200

Facilities available for Students and Faculties:

- Book Lending
- Reprography
- Separate reading Hall for Boys , Girls and Faculties
- Book Reservation
- OPAC (Online Public Access Catalogue)
- Digital Library
- Open Access in library
- Document Scanning
- Current awareness service
- SDI (Selective Disseminate of Information)
- Reference & Referral Service

Details of Count of Books, Journals, E-Journals etc.:

- Books : 17756
- Journals : 49
- E-Journals:550
- CD/DVD (Free & Purchased): 1167
- Journal Bound Volume: 576

Details of Reading Room:

- Reading Hall Capacity: 180
- Usage: Average per day 200

ICT Tools of Library:

- Computer
- Reprography
- Scanner
- Internet

4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Institutional data in prescribed format(Data template)	View Document

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 5.34

4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
3.85	3.30	6.48	3.62	9.43

File Description	Document
Institutional data in prescribed format(Data template)	View Document

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year

Response: 22.02

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 220

4.3 IT Infrastructure**4.3.1 Institution frequently updates its IT facilities including Wi-Fi****Response:**

The IT & ICT facilities required for the Academic, Research & Extension activities of this institute are continuously monitored and periodically upgraded, based on the requirement and needs.

- 349 computers (desktop) are available for the students.
- At present, the campus has internet connectivity through a leased line with bandwidth of 100 Mbps (1:1). The computers in all laboratories are connected through LAN. Also, Wi-Fi connectivity is available in the buildings.
- A Server Room for managing network operations efficiently is in place. It has a Rack server with adequate power backup.
- Network is secured by a firewall integrated in the router.
- Free and Open Source Software and licensed software as per the requirements are available.
- The digital library is available to all the students and faculty members.
- The college has a unique website that provides all the necessary information needed.
- The IT infrastructure in the institute is utilized for online feedback, online examinations etc. Also, online examinations of different government services, Banks, Campus Drives etc. are conducted.
- Students are getting benefited by various online lectures, webinars.
- Biometrics Attendance is used for faculty and Staff members.
- ERP software is in use.
- Power backup by means of generator is provided.

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 3:1

4.3.3 Bandwidth of internet connection in the Institution

Response: A. 50 MBPS

4.4 Maintenance of Campus Infrastructure**4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)**

Response: 20.56

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

2020-21	2019-20	2018-19	2017-18	2016-17
71.63	110.84	75.77	108.91	243.56

File Description	Document
Institutional data in prescribed format(Data template)	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.**Response:**

The following maintenance activities are carried out at Department and College Level

1. Classrooms, Seminar Hall and Tutorial Rooms

Before the commencement of every semester, departmental technical assistants and peons inspect the class rooms and tutorial rooms to check the adequacy of furniture, working of projectors, tube lights, fans, etc. and ensure all the facilities are available in good condition for the students. All the rooms are cleaned by departmental peon and this activity is daily monitored by departmental technical assistant. Repair work of classroom, seminar hall and tutorial rooms are done internally through workshop instructor and electric related maintenance is carried through maintenance office. The regular maintenance of ICT tools in classrooms, seminar hall is taken care by technical assistants.

2. Central Library

The Central Library of the institute is well maintained and each section in it is taken care by an assigned person for cleanliness. Book Stacks are thoroughly cleaned once in a week. The books are weed out as per the norms and procedure laid down by the society. The book binding and other related work is outsourced. The stock verification is done as part of regular maintenance and weed out activity as and when required.

3. Laboratory Equipment

The faculty in-charge and technical assistant look after the maintenance of each laboratory. The funds are

made available from the budget to repair any break-down item. When new purchases are to be made, faculty in-charge proposes the annual requirement, and provisions for the same is made in the budget. For consumable items, budget is prepared by the faculty in-charge and the technical assistant. The equipment and instruments calibration and maintenance are carried out regularly and this activity is monitored by faculty in-charge.

4. IT infrastructure

The computers of the institute are maintained by Departmental Technical Assistant and Lab Technician of every department. All the computers and peripherals are checked by the technical assistant for any problems once in a semester before the start of the academic year. Any maintenance activity if required is carried out immediately. Also, any peripherals if required are replaced as per the prescribed process of the institute. The power backup facilities including UPS and batteries are monitored, maintained and replaced as and when it is necessary.

The following maintenance activities are carried out at Campus Maintenance office level

1. Civil Work Maintenance

Civil work maintenance is carried out by the maintenance office of the society for minor maintenance and through civil contractor for major maintenance. Regular maintenance of all buildings are carried out and the frequency of inspection is decided in consultation with the Principal. For example, building maintenance committee handles maintenance request raised by the department. The committee forward the approved maintenance request to maintenance office. The estate office carry out the minor maintenance work and get the major work like colouring, water leakage, etc. through civil contractor. On completion of work, the inspection report and billing are submitted to account section for the payment purpose.

2. Garden Maintenance

Garden maintenance is looked after by gardening staff under the supervision of maintenance officer. Work carried out by gardening staff is checked by the supervisor from the estate officer. The Estate officer submits the monthly attendance report of gardening staff to the account section for their payment purpose.

3. Furniture Maintenance

Minor furniture maintenance for benches, table, notice board, chair etc. is carried out through college workshop or outside party. Major furniture maintenance is routed through maintenance office.

4. Electrical Maintenance

It includes all electrical repair works like electrical switches, outlets, Ground fault circuit interrupt (GFI) outlets, Light fixtures, exit lights, emergency lights, lightning arresters, earth bits and electrical panel boxes. Department raises the repair or maintenance issue to the college which is further forwarded to maintenance office for counter check. As per the complaint, the list of electrical devices that require regular maintenance is ordered through proper permission. Once the required electrical repairing is over then the completion of work entry is done in the register.

5. Generator

Maintenance of generator is carried out on regular basis for change of fuel filters, checking of governor and adjustment of correct speed, draining of water from tank and inspection for contamination, change in engine oil and filter, and lubrication.

6. Fire Extinguisher and Safety

Fire Extinguishers are provided at appropriate locations of the building for safety purpose and First Aid Box is kept in every department for emergency usage.

7. Garbage Collection

Annual Maintenance Contract has been made with the contractor for collection of and segregation of garbage on daily basis. The garbage is disposed-off at disposal point specified by Local Authorities.

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 last five years

Response: 50.61

5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
441	387	495	561	570

File Description	Document
Institutional data in prescribed format	View Document

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 0

5.1.2.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

1.Soft skills

2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	View Document

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

Response: 100

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

2020-21	2019-20	2018-19	2017-18	2016-17
926	779	968	1058	1105

File Description	Document
Institutional data in prescribed format	View Document

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

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

5.2 Student Progression

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

Response: 56.12

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

2020-21	2019-20	2018-19	2017-18	2016-17
144	165	158	137	235

File Description	Document
Institutional data in prescribed format	View Document

5.2.2 Average percentage of students progressing to higher education during the last five years**Response:** 5.73**5.2.2.1 Number of outgoing student progressing to higher education.****Response:** 16

File Description	Document
Institutional data in prescribed format	View Document

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)**Response:** 80**5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
0	2	1	2	2

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	2	1	2	2

File Description	Document
Institutional data in prescribed format	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

Response: 17

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
9	4	1	1	2

File Description	Document
Institutional data in prescribed format	View Document

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Response:

As per the directions of the affiliating University, an institute-level Student Council is formed.

The Student Council consists of the following members:

1. University Representative/ General Secretary
2. Cultural Representatives (Student and Staff)
3. Sports Representatives (Student and Staff)
4. Ladies Representatives (Student and Staff)
5. Reserved Category Representatives (Student and Staff)

6. Class Representatives
7. Faculty nominated by Principal

The main objective of forming the student council is to develop the leadership qualities in students and the other objective of the student council is to organize sports and cultural and extension activities every year.

Students are also actively involved in various other institute-level committees like Anti Ragging Committee, Anti Sexual Harassment Committee, IQAC, SC/ST Cell, OBC Cell, Minority Committee, Library Committee, etc.

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 3

5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	7	2	3	3

File Description	Document
Institutional data in prescribed format	View Document

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

The alumni association of the institute was established in the academic year 2016 with the Reg. No 40481. The number of registered alumni is more than 2800 Students.

Objectives:-

- To develop a liaison between the old students, present students and the institute.
- To promote and nurture the close relationship between alumni and the institute for the mutual benefit of both.
- To maintain an updated directory of alumni with contact details, current position and organization and their achievements on various fronts.
- To arrange for alumni interaction with present students for sharing their experiences in the corporate world, current & future trends in the technology. Also, guide the students about the
- career opportunities in different fields and interview tips as well as about higher education.
- To arrange programs on entrepreneurship development, industrial visits with the help of alumni.
- To keep informed the alumni about the happenings in the alma mater through mails, newsletters etc.

It is our pride to share that our alumni have held various positions in major MNCs, public sector, and government organizations on a global, national, regional and state level.

Every year, the institute hosts the alumni meet. The event attracts 40 to 50 alumni on an average. During the meeting, alumni share their memories as student, experience as alumni, bond with teachers, attachment and also express their ideas for improving the institute's overall success.

Alumni effectively contribute by visiting to the department to provide guidance through guest lectures, seminar and workshops. Now a days, they guide students using online portals also. Students interested in pursuing higher education abroad contact alumni and get guidance from alumni who have completed higher education or pursuing higher education. Teachers act as mediators between alumni and students.

This extended support helps a lot to students who are pursuing higher education in foreign countries especially. Students communicate with Alumni via phone, email, and social media.

Alumni provide input on the college's infrastructure and other academic problems, as well as suggest gaps in the curriculum based on current industry demands. Frequently meeting with the alumni students helps the current students to get more and more knowledge of the outside world and better interaction and contact is built up between them. The alumni students are welcomed by the college and different types of inquiries and questions are made to understand the requirement of the companies based on which the campus placements can be improved by rigorous training and workshops.

In short, our alumni instill confidence in the students by relating their own journey, extending their support for extensive career and social responsibilities.

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

Response: A. ? 5 Lakhs

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

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

Response:

Vision

To be the fountainhead of novel ideas and innovations in technology and science dedicated to the service of the nation.

Mission

To create an ambiance of academic excellence and to impart value-based quality education to the student to groom them to be conscious professional engineers and good citizens for nation-building and disseminate knowledge in mass for sustainable socio-economic development of society.

The vision and mission of the institute have been developed with the active participation of all faculty and guidance from experts in various fields. The institute aims at becoming a renowned institute of student's choice with courses aligned with recent development and the need of society. The institute follows ethical practices and encourages Indian culture and value system. The institute is also committed for rural youth development and woman empowerment.

The top management including Trustees, Governing body, Local Managing Committee, Academic Council, Principal and faculty are involved in design and implementation of quality policy and plans.

The resolutions related to policies and plans, made during meetings of Governing body and local managing committee are communicated to the Principal. These are discussed in regular meetings of Principal, Head of Departments and action plans are prepared. The minutes of these meetings are briefed to faculty by respective Head of Department in regular department meetings. Action plan for department based on Academic Calendar, Vision Mission of the institute and the departments, Co-curricular and Extra-curricular activities is prepared by Head of Departments and committee in-charges in consultation with Principal. The difficulty if any in execution is conveyed to higher authorities to fulfill the needs.

Various committees at institute as well as departmental level are formed in each academic year. The faculties constitute the member of these committees and are authorized to take appropriate decisions according to the role of committee in academics.

Interaction with stakeholders viz. alumni, parents, employers, take place and their suggestions, feedback are taken for continuous improvement in teaching and learning process.

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and

participative management**Response:**

The management provides academic leadership to the faculty in various ways. Principal and head of departments are authorized to carry out the staff selection process and shortlisted candidates are recommended to the management for new appointments.

The Principal and the Head of Departments can propose the laboratory requirements and recommend the purchasing of equipment to purchase and procurement committee and then to the management for final approval.

Head of the Department is empowered to allocate specific subjects to appropriate faculty for the betterment of students and to get quality results. Apart from the academic workload the Head of the Department can also assign few administrative duties to the individual faculty based on the ability and the leadership qualities of the individuals. Head of Departments can frame strategies for maintaining discipline & attendance, conducting events like seminars/workshops, guest lectures, industrial visits and training programs.

Every faculty is given complete freedom to decide the suitable teaching methodology of his/her choice by understanding the time frame and evaluation mechanism. Faculty is given freedom to carry out higher education including post-graduation and Doctorate. They can recommend books to library.

The management encourages the faculty members to work on various key positions of University committees. The members of various committees are authorized to take independent decisions for its effective functioning.

Case study showing decentralization and participative management in the institution in practice is:

Case study: Formation of Institute level Student's Council as per the norms of SPPU and organizing extra-curricular activities for students:

Purpose: Organizing extra-curricular activities for students through Students' Council.

Process: Formation of Institute level Students' Council and assigning the responsibilities for organizing Students' activities.

1. The notice is displayed on institute notice board regarding formation of Students' Council specifying various posts and eligibility criterion.
2. The institute level selection committee of faculty and staff members is formed by the Principal according to the norms specified by University, upon resolutions of meetings with the management.
3. The detail schedule of formation of Students' Council is displayed on notice board and proper selection procedure is followed with help of selection committee.
4. The list of selected candidates with name of Secretary is communicated to the office of Director of Student Welfare.
5. The institute level selected Students' Council conducts the meetings and propose the plan of organizing extra-curricular activities for the students and propose the budget for the same.
6. The management approves the budget forwarded by Students' Council and fund is arranged for

organizing the activities. The sanctioned fund is disbursed to the student's council through the cultural and sports in-charges.

7. The student forms different sub-committees among them depending upon the types of events and perform regular meetings and execute the activities. The various requirements are placed by the student council along with the quotations for the approval of in-charges.
8. The proceedings are informed regularly to the concerned coordinator and the Principal.

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The functioning of the institute operates at four different levels such as Student, Faculty, Head of the Department and Principal. The institute provides various forums for all of them to develop and deploy the same at department, institute and society level by assigning them various responsibilities. The Head of the Department as a leader understands the strength of the faculty and assesses involvement of faculty while executing specific tasks. The Head of the Department is empowered to allocate specific faculty to handle dedicated events in best possible way.

Student level:

- Support provided to organize extra-curricular and co-curricular activities.
- Responsibilities like coordination of industrial visits and leadership in social forums like NSS unit.
- Opportunities to handle responsibilities like Managing committee of student chapters of professional bodies and institute level committees.

Faculty level:

- Opportunities to lead specific committee while conducting various activities at department and institute level, NSS Cell, Student Council, Student support etc.
- Motivation to lead the students' community by organizing industrial visits, events, seminars/ workshops and guest lectures.
- Encouragement to apply for post-graduation and Doctorate degree by research.

HOD level:

- Decentralization of various responsibilities to develop leadership at department level.
- Planning and monitoring the functioning of department and student performance.
- Interaction with external agencies and professional bodies for empowerment of faculty and students and

eventually the institute.

Principal level:

- Freedom to execute academic activities
- Execution of plans approved by Local Managing Committee and College Development Committee.
- Financial freedom and encouragement for improvement of quality outcomes
- Appreciation for execution of best practices
- Organizing events and programs for the benefit of staff and students

One activity successfully implemented based on the strategic plan is as follows:

Case study: The institute adopts a standard methodology for maintenance.

Process: Maintenance of laboratory equipment and infrastructure through appointed committee.

For the specific maintenance/repair needed for the equipment/instrument/infrastructure is communicated to Principal through Head of Department. Upon evaluating the specific problem, Principal forwards the application to the institute maintenance committee.

The committee takes corrective action for minor maintenance/repairs. In case of problem, which is out of scope of In-house Maintenance Team, a vendor is appointed to resolve the same by calling quotations and further decision is made by Institute Level Purchase and Procurement Committee in consultation with Principal and the Management.

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

Local management committee is the apex governing body of the institute headed by the chairman responsible for policy making and budget approval. The institutional decisions are made by the Principal in the consultation with management. HODs and various committee/cell in-charges are directed by Principal.

The institute has constituted committees as per the norms and also additional committees for internal coordination and monitoring of the activities. All the departments of the institute have departmental committees coordinated by faculty members and monitored by Head of the Department and Principal for smooth conduction of academic and administrative activities.

Recruitment procedure and policies are followed as per AICTE/ University of Mumbai/ Director of Technical Education, Government of Maharashtra rules and regulations.

Principal and Head of Departments are authorized to carry out staff selection process as per the norms and shortlisted candidates are recommended to the management. Promotion and service policies are followed as per AICTE/UGC norms. Faculties are motivated to attend training programs, seminars and workshops at other reputed institutes.

Grievance Redressal mechanism for faculty, staff and students is as given below:

- Grievance Redressal Committee is formed at the institute level to address the grievances/complaints received from students and staff members.
- The categorization of the grievances is done by the said committee and after proper analysis the committee recommends the corrective measures. These are forwarded to Principal and are implemented by administrative authority to resolve the issues.
- Any complaints arising at department level, are resolved by the respective head of departments. If needed, in some cases, the matter may also be referred to Principal for his/her guidance.
- A separate Women Grievance Cell and Anti-Ragging cell is also constituted to address any specific complaints.

The various institutional level committees formed for the smooth functioning are listed as follows:

1. IQAC
2. Anti-Ragging Committee
3. Committee for SC/ST
4. Women Internal Complaint Committee/Women Development Cell
5. Women Grievance Cell or Anti Sexual Harassment Committee
6. Training and Placement Cell
7. Library Committee
8. R & D Cell
9. Examination Committee
10. Resource and Infrastructure Development Committee
11. Purchase and Procurement Committee
12. Admission Committee
13. Student's Council
14. Cultural Committee
15. Sports Committee
16. Technical Fest Committee
17. NSS Cell
18. Alumni Association
19. Hostel and Mess Committee
20. Institute Website Update Committee

The feedback is collected by the established mechanism from various stakeholders periodically. The feedback is analyzed and a summary of this feedback is made by feedback coordinator and the same is forwarded to the HOD and Principal. It is then forwarded by the Principal to management for review.

6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

File Description	Document
Institutional data in prescribed format(Data template)	View Document

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

Response:

Institute implements following welfare measure for faculty and non-teaching staff.

Faculty:

- Motivates and deputed faculty for pursuing higher education.
- Encouragement for the faculty for attending workshops, conferences, seminars, short term courses and faculty development program.
- Encourages the faculty to become members of professional bodies and to participate in the activities organized by them.
- Encourages the faculty to undergo industrial training and visit the industry of their domain.
- Encourages the faculty to receive research grants for their projects and provides support.
- Promotes and motivates the faculty to use the ICT tools in their teaching-learning process.
- Encourages the faculty for publication of research papers in reputed Journals/conferences.

Non-Teaching Staff

- Institute organizes training programs as per the need for skill development of non-teaching staff.
- They are encouraged to participate in the organization of technical events.

The other welfare provisions made for both faculty and staff as described as below:

1. Provident Fund
2. Medical Insurance
3. Leaves (Casual, Earned, Medical, Vacation) as per University norms.
4. Maternity leaves for female faculty and staff.

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:** 23.35**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**

2020-21	2019-20	2018-19	2017-18	2016-17
0	26	25	16	30

File Description**Document**

Institutional data in prescribed format(Data template)

[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**6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
2	2	2	2	2

File Description**Document**

Institutional data in prescribed format(Data template)

[View Document](#)**6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).****Response:** 149.33**6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
181	132	82	133	55

File Description	Document
Institutional data in prescribed format(Data template)	View Document

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

The institute adopts self-assessment appraisal system to monitor the performance of faculty and staff. Academic Performance Indicator (API) form are filled by all faculty and staff members. There are three different API forms for faculty, technical staff and supporting staff members.

The information in the faculty API form include general information, Academic background, qualification up-gradation, STTP, FDP, Workshop, Conference, Orientation Program attended during year, Co-curricular and Extra-curricular activities, research and publications and other academic contributions. The API form provides self-assessment, assessment by Head of Department and thereafter by principal.

Self-assessment of technical staff is based on Laboratory responsibilities, Administrative responsibilities, Assistance in Teaching Learning Evaluation (TLE) methodology, HOD's report, and Principal's report.

Self-assessment of supporting staff includes information related to Administrative responsibilities handled, HR office report, HOD's report, and Principal's report.

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The budget estimates and audited statements are prepared regularly. The internal and external audits are carried out to ensure effective and efficient use of financial resources. There is a proper allocation and utilization of the annual budget.

Institution Internal Audit

Internal financial audit is the continuous process and accounts officer mainly handle it. Internal audit is carried out annually. During the internal audit, the auditors may give few suggestions related to some of the finance and stock-related records, giving opportunity to the institute to address and rectify the same.

Institution External Audit

Every year a group of external auditors comprising a team of chartered accountants perform the auditing of the institutes financial records and book as per guidelines of the income tax department. For external audit Management has appointed chartered accountant firm who takes care about external audit at the end of every financial year.

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

Response: 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Institutional data in prescribed format(Data template)	View Document

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

Response:

The institute is self-financing and the main source of the income is tuition fees and development fees. As per the annual requirement, proposed budget is prepared by Principal and account officer considering previous year actual expenditure and future plans. Proposed budget are finalized in meetings with Local Management Committee. Deficit, if any, is taken care by management through bank loans.

The process for mobilization policy is given below:

- Institute detailed budget.
- Institutional receipt (Tuition and Development fee as per FRA) are properly deposited and utilized for institute's salary and non-salary expenditure. This complete process is monitored by account officer and Principal.
- As per the requirements of different departments, laboratories, central library, store and student support and infrastructure facilities, quotation are invited from the suppliers/dealers/contractors. The comparative statements are prepared and Principal forward the recommendations in consultation with the concerned in-charges, Head of Departments, Principal to the management. Order is placed by the office to respective agencies.

6.5 Internal Quality Assurance System

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

Response:

Internal Quality Assurance Cell (IQAC) is one of the major policy making and implementing committees in our Institute. It plans for development of quality parameters for the various academic and administrative activities. It monitors teaching-learning, evaluation and research promotion. It coordinates between the management, the principal, the staff and the students.

In our institution, the IQAC plays an important role relating to quality improvement amongst the staff. At the beginning of the session, different college committees are formed for the smooth functioning of the college. The academic calendar is prepared and all the activities are implemented as per plan. The academic and administrative audit has been completed with the initiative of the cell. In every academic session, this cell organizes meetings of all stakeholders which help to improve the quality culture of the Institution. As per requirement, the IQAC has made MoUs with different industries and colleges and initiate the exchange of teachers and students. IQAC took initiative to carry out society-oriented best practices.

In the last 5 years, the Institute through IQAC organized workshops, seminars, training programs for students, faculty, and non-teaching staff and motivated the teaching staff for participation and paper presentation in National and International Conferences and Seminars. The recruitment of fully qualified teaching faculty has been adopted. Teachers are encouraged to attend Orientation, Refresher and Short term courses. Library committee, R & D Cell and other committees encouraging the faculty to use ICT and e-resources. It also inspired teachers to publish research articles in reputed National and International Journals and encouraged the faculties to undertake Major and Minor Research Projects. Most of the faculty members are pursuing Ph.D. degrees and 5 Faculty members are with Ph.D degree at Present.

Secondly, the IQAC supported the sports culture in the college. The sports department of the college organizes continuously different sports competitions. To date, the sports department has organized various games and sports tournaments at University level on the college sports ground. Subsequently, the institution motivates students to participate in national, state and university level sports events. The college has a well-equipped indoor sports room and playgrounds for outdoor games. The gymnasium facility is available for students.

The IQAC also helped in the conduction of value-added, Add-on Certificate Courses, Guidance for Competitive examination, and Women Development Programs. Job placement through, career and counseling are the major activities supported by the IQAC. All these show that the college IQAC has contributed significantly to institutionalizing the quality assurance strategies and processes.

It has been observed that due to the initiative of IQAC, all the departments and committees have been constantly improving their curricular, co-curricular and extra co-curricular performances.

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 and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

Criterion 1: Curricular Aspects:

- University has implemented Choice Based Credit System (CBCS).
- Value added programs and life skills development programs for students have been conducted every year.
- The faculty members are also encouraged to attend and participate in university-related activities.
- Students undergone internship as part of curriculum and industrial visits/ study tours were conducted.
- The institute has restructured feedback mechanism from all stakeholders including Students, Alumni, Parents and Teachers.

Criterion 2: Teaching- Learning and Evaluation:

- The institute has admitted students from various reserved categories as per the reservation policies of competent authority.
- The institute has catered to the learning needs of students of different backgrounds and abilities.
- The institution has recruited proficient and devoted faculty members from diverse backgrounds.
- The institution utilizes student-centric methods and experimental learning approaches.
- The institution has ensured use of outcome based Education by calculating attainment levels of outcomes by direct and indirect assessment techniques.
- The institute has adopted and followed Continuous Internal Evaluation (CIE) prescribed by university to achieve academic excellence.

Criterion 3: Research, Innovation and Extension:

- The institute has put sincere efforts to promote a research culture amongst the faculty and students by motivating and encouraging them to publish their work in reputed journals and conferences.
- To upgrade the knowledge of faculty and students institute has organized various seminars, workshops and guest lectures.
- NSS has organized various activities such as Tree plantation, Blood donation, etc. are organized and received awards/appreciation from renowned agencies in the surrounding.
- MoUs are signed with the GOs, NGOs, and educational institutes for allied activities.

Criterion 4: Infrastructure and Learning Resources:

- The institution has an infrastructure with well-equipped classrooms, a library, seminar hall, ICT tools, and Sports and Cultural facilities as per university norms.
- The institution has motivated students to participate in various extra-curricular activities.
- Institution has central library automated with software.
- Institution has ICT facilities and well defined mechanism for its upgradation.

Criterion 5: Student Support

- The students of institute were benefitted by scholarship and free-ship scheme provided by Government.
- Student grievances are addressed through committees such as Grievance Redressal, Anti-Ragging & Women Internal complaint or Anti sexual harassment.
- Training & placement cell have arranged various training programs and placement drives on-campus as well as off-campus.
- The student actively participated in sports/cultural activities organized at inter-college and intra-college competitions.
- The institute maintained strong and healthy interaction with alumni through alumni meets organized by Alumni Association.

Criterion 6: Governance, Leadership and Management

- The strategic plan is prepared and its effective implementation is done for attainment of Vision and Mission of the institute.
- E-governance system is used for planning and development, administration, finance, student admission and examination.
- Administration takes care of key attributes such as budgetary provisions, financial support, and Infrastructure development for smooth functioning of institute as well as faculty and non-teaching staff empowerment.
- The institute has performance appraisal system to judge the performance of teaching and non-teaching staff members.

Criterion 7: Institution Values and Best Practices

- The institute has girls' and boys' common room and separate provision for facilities of differently abled (Divyangjan) students.
- Institute follows green practices such as tree plantation, plastic free campus, paperless work, bus transport to achieve an environmental consciousness and sustainability.
- Institute has well defined process for solid, liquid and e-waste management.

6.5.3 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
- 2.Collaborative quality initiatives with other institution(s)
- 3.Participation in NIRF
- 4.any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

Response: A. All of the above

File Description	Document
Institutional data in prescribed format(Data template)	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

To understand the importance of gender equality in students and employees, institute pays attention to provide equal chances to all for the activities which include their personal developments, Higher education, extra-curricular and co-curricular activities, female students and staff has given equal representation on various committees formed at department as well as institute level. Institute has formed woman's grievance cell to sort-out the issues raised. Awareness talks by various experts arranged throughout the year.

Security and Safety

- Institute is very much serious about security and safety. 24*7 high security is provided by security team to all staff members and students in institute campus. Outsiders are not allowed in college premises until and unless they maintain their entry in security register.
- IDs are issued to all students and staff members and it is to be verified by security officer frequently.
- CCTV cameras are installed throughout the campus which ensures safety of students, staff and facilities provided in institute.
- Institute is also having floor wise fire extinguishers at appropriate places.
- Separate hostel facility is provided for girls and boys students.
- Separate seats are reserved in college transport for girl students, female staff as well as physically handicapped persons.
- Anti-Ragging committee is formed at departmental as well as institute level to resolve student problems.
- 24*7 protected WI-FI facility is provided to all.
- Special committee for girls Women Grievance Cell is formed to attend their issues.
- Girls and boys together take part in various events in college.
- Cultural events/festivals like Traditional Day, Navratri festival, and Fresher party etc. are conducted, which also create an awareness and make the students to understand the gender equality.
- Institute gives equal chance to both girls and boys to participate in college as well as inter collegiate activities.
- Sanitary napkin vending machine as well as destroyer is provided to maintain the hygiene of all.
- A suggestion box is provided at the reception to entertain any queries/problems of students and staff members.
- Faculties are appointed as mentors to the group of students who take care of growth and safety of their students. Mentors counsel and motivate their mentees in all aspects such as their attendance, behavior, his or her performance in exam or any problems or query that mentees has.
- Institute organizes motivational speeches through eminent speakers to boost the moral of the students and employees.
- Institute keeps proper and timely communication with the parents of the students through letters, mass messaging or e-mails to inform the progress of their ward.

Common Rooms:

- Well-furnished and spacious common rooms for Girls and Boys is allotted separately.
- News-paper and Magazines are also provided to common rooms to aware the students regarding current affair as well as new technologies.

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: B. 3 of the above

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response:

Solid Waste Management:-

- Dust-bins are placed in all departments staff rooms, laboratories, library and on every floor of all the blocks.
- Cleaning or emptying the dustbins is being done on a regular basis. All plastic wastes and garbage are collected by our housekeeping personnel and hand over to government vehicle daily.
- All dead leaves and waste flowers are collected in a pit for the preparation of composite fertilizer.

Liquid waste management:-

All waste water sewer lines from toilets; bathrooms etc. are connected with government drainage mains. Waste water of water coolers is used for plants.

E-Waste Management:-

The college collected e-waste and gives it to computer vendor and avails facility of discount or buy back in next purchase.

7.1.4 Water conservation facilities available in the Institution:

- 1.Rain water harvesting**
- 2.Borewell /Open well recharge**
- 3.Construction of tanks and bunds**
- 4.Waste water recycling**
- 5.Maintenance of water bodies and distribution system in the campus**

Response: A. Any 4 or all of the above

7.1.5 Green campus initiatives include:

- 1.Restricted entry of automobiles**
- 2.Use of Bicycles/ Battery powered vehicles**
- 3.Pedestrian Friendly pathways**
- 4.Ban on use of Plastic**
- 5.landscaping with trees and plants**

Response: A. Any 4 or All of the above

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

- 1.Green audit**
- 2.Energy audit**
- 3.Environment audit**
- 4.Clean and green campus recognitions / awards**
- 5.Beyond the campus environmental promotion activities**

Response: A. Any 4 or all of the above

7.1.7 The Institution has disabled-friendly, barrier free environment

- 1.Built environment with ramps/lifts for easy access to classrooms.**
- 2.Divyangjan friendly washrooms**
- 3.Signage including tactile path, lights, display boards and signposts**
- 4.Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**
- 5.Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response: A. Any 4 or all of the above

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

The Institute provides education to all students irrespective to their culture, region communal socio economy and gender. The Institute has faculty and staff members from different culture, region and community. The Institute provides same platform to all students, irrespective to their culture, region and community. All students participate together in all activities of the institute like sport, cultural and NSS activities.

Sports	Cultural	Extension	Other
Annual Sport Day	Annual Cultural Day	Tree Plantation	Yoga Day
		Blood Donation	Women's Day
		Swachh Bharat Abhiyan	Independence Day
		Various Awareness Programs	Republic Day
		Higher Education Awareness and Career Counseling	
		Health Check Up	

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

The Institute organizes various activities in the campus for inculcating values for being responsible citizens as reflected in the Constitution of India. Some of the events celebrated every year are as follows:-

- The Institute celebrates Independence Day on 15th August and Republic Day on 26th January every year. On this occasion, a program comprising of speeches on national importance, patriotic songs and dances used to be organized with full patriotic enthusiasm.
- Various types of Pledge taking activities, as per Government directives, are also organized from time to time in the Institute.
- The Institute also used to organize Integrity Pledge Day on 31st October every year on the birthday of Sardar Vallabh Bhai Patel as the symbol of Unity Day.
- The Institute organizes Swachh Bharat Campaign for the awareness about Swachhata in the neighborhood on the occasion of Gandhi Jayanti.
- Programs imbibing Human Values and Professional Ethics are also organized regularly in the Institute under extension activity cell.
- Institute used to pay respectful homage to Missile Man and Former President of India Dr.APJ Abdul Kalam on his birth and death anniversaries.

- Road Safety Awareness Programs were conducted every year during the Road Safety Week, where students take out rally to educate society about importance of helmet.
- For every Local, Vidan Sabha and Lok Sabha election holiday was given for the students and staff to caste the vote, as well awareness of voting is also spread in neighborhood.

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

Response: A. All of the above

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

The College celebrates or organizes various national and international commemorative

days, events and festivals in the memory of eminent personality to create communal harmony among the students.

National and international commemorative days: -

1. Independence Day
2. Republic Day
3. International Women's Day
4. Teachers Day
5. Library Day
6. Yoga Day
7. Engineers Day

Birth/ Death Anniversaries: -

1. Gandhi Jayanti
2. Ambedkar Jayanti
3. APJ Abdul Kalam Jayanti
4. Chatrapati Shivaji Maharaj Jayanti

Events:-

1. Annual Sports Day
2. Annual Cultural Day
3. NSS Activities

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

Best Practice – I

Title of the Practice: Value Added Training imparted by the institute

Objectives of the Practice: Train the students to meet the growing demands of corporate sector. So college has decided to start value added training programs in the institute to increase the employability of the students through campus placement.

The Context: The Institute is affiliated to SPPU and follows its curriculum and academic structure designed by the University. Obviously, the pace of updating the syllabus in response to the needs of industry cannot be maintained. As the institute is located in rural area of Pune district, and most of the students admitted in institute are lacking in communication skills and soft skills. All this contributed to lower selection rate in recruitment drives of various companies.

Institute identified where improvement was needed:

- a. Students lack in aptitude skills.
- b. Students are weak in communication skills.

c. Students also lack in basic technological inputs.

d. Lack of awareness among students about importance of aptitude tests.

To improve upon the above the new policy was planned and implemented.

The Practice: The policy consisted of the methodology and schedule of imparting various inputs to the students in order to improve the performance of students in recruitment drives. The inputs were subdivided into systematically design Value Added Programs catering to communication skills, domain knowledge and soft skills. In order to make the students aware of the importance of various skills i.e. aptitude, communication, soft skills and technical skills, counselling sessions were conducted.

Year	Number of VAPs Conducted
2020-21	15
2019-20	15
2018-19	15
2017-18	15
2016-17	15

Evidence of Success: The success rate in aptitude test / screening test was found improved in recruitment drive of various companies as well as there is increase in placement percentage.

Year	Number of students placed	%
2020-21	235 out of 379	62%
2019-20	137 out of 267	51%
2018-19	158 out of 307	51%
2017-18	165 out of 257	64%
2016-17	144 out of 279	51%

Problems Encountered and Resources Required: One of the major problems faced was the availability of time. Giving these extra inputs as per the planned schedule was difficult to adjust in the academic schedule.

Best Practice – II

Title of the Practice: Extension Activities through institute NSS Cell.

Objective of the Practice: To promote extension activities in the neighborhood community

The Context: To provide the opportunities to inculcate the qualities among the students to understand social consciousness and problems of communities. These activities sensitizing the students to social issues and develops belongingness to the welfare activities towards the society. NSS program Coordinator conduct regular meet ups with volunteers and plans forthcoming activities.

The Practice: This objective is achieved through a NSS Cell established. The NSS unit conducts various activities like environmental protection, cleanliness drive, tree plantation, rendering help in building of toilet pits and various awareness activities nearby Indapur, Dist. Pune. NSS program Coordinator conduct regular meet ups with volunteers and plans forthcoming activities.

Year	Number of NSS Activities
2020-21	12
2019-20	22
2018-19	16
2017-18	15
2016-17	7

Evidence of Success: It is observed by performing various activities in the neighborhood of Indapur and it is supported by appreciation letters received from benefitted community.

Year	Number of NSS Awards/Appreception
2020-21	12
2019-20	22
2018-19	16
2017-18	15
2016-17	7

Problems Encountered and Resources Required: It is difficult to convince the people and change their mind set. They are reluctant to involve in active participation. It finds difficult to arrange funds and appropriate resource person.

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Distinctiveness

Spreading Awareness About Various Scholarships Schemes of State and Central Government.**Objective :**

To increase number of students graduating from rural area by spreading awareness about various scholarship schemes of state and national government.

Context:

To provide the right of education to economically backward students who stays away from education stream because of lack of awareness about various schemes of government related to scholarships.

Practice:

The various activities to make students aware about scholarship schemes of state and central government has been conducted as well as students were guided about Do's and Don'ts of scholarship form filling. We have observed that, because of sessions conducted, Institute is witnessing increase in reserve category students' admissions as well as economically backward students every year.

Evidence of Success:

It is observed that students benefitting from a scholarship provided by state and central government has notable count as tabulated below:-

Academic Year	Number of Students benefitted by Scholarship
2020-21	441
2019-20	387
2018-19	495
2017-18	561
2016-17	570

Problems Encountered and Resources Required:

To bring seriousness among the students about the deadlines, and documents required is a difficult task.

5. CONCLUSION

Additional Information :

The institute has a dream of creating a benchmark in imparting quality education and it aims to produce quality graduates through extensive teaching, learning and continuous all-round activities.

The Institute involves all stakeholders by organizing parents, alumni, and employer meetings. Moreover, the stakeholders are invited on various committees either to contribute in academic or non-academic affairs or to keep students upgraded with latest happenings in respective fields. Faculty and staff also have representation on various committees where they contribute in decision making.

In a nut shell, the institute is working for the betterment of society by involving all stakeholders.

Concluding Remarks :

We cordially invite the NAAC peer team to visit our institute and evaluate or assess the institute for the accreditation process.