SELF STUDY REPORT

FOR

1ˢᵗ CYCLE OF ACCREDITATION

AHMEDNAGAR JILHA MARATHA VIDYA PRASARAK SAMAJ'S SHRI CHHATRAPATI SHIVAJI MAHARAJ COLLEGE OF ENGINEERING, NEPTI, AHMEDNAGAR

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414005
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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The parent institute, Ahmednagar Jilha Maratha Vidya Prasarak Samaj, Ahmednagar, is a public trust, was established in 1918 with an aspiration of imparting quality education particularly to the economically and socially underprivileged sections of the society. The institute is contributing significantly to educational and social developments. Over the years, it has grown into a family of more than 122 educational institutions from pre-primary education to higher and professional education. More than 70000 students are taking education in various streams. Trust is managed by renowned personalities from the educational and social fields. The developments of the institute are consistent to the motto "*Tejo Si Tejo Me Dehi*" means you are the energizing radiance that force, you may infuse in me.

Shri. Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar was established in 2011. The college is affiliated to the Savitribai Phule Pune University (SPPU), Pune, and approved by All India Council for Technical Education (AICTE), recognized by Directorate of Technical Education (DTE), Mumbai. The college is self-financed and running four UG programs viz. Civil Engineering, Computer Engineering, Electronics and Telecommunication Engineering, and Mechanical Engineering with an intake of 210 students. The campus is in a rural area and spans over 21.68 acres of lush green land. The Institution accommodates 60 inmates in boys' hostel and 40 inmates in girls' hostel, in Ahmednagar city. The hostels are managed by the parent institute.

The Institution has adequate facilities for the teaching-learning process such as ICT enabled classrooms, well-equipped laboratories, library, sports, and all necessary infrastructural facilities. Over the span of 8 years, the institution is advancing in a progressive direction.

Salient features:

- Parent institute is having more than 100 years of glorious history.
- Conducive academic environment.
- Qualified, dynamic, and motivated faculties and staff.
- Financial support to faculty and students.
- State of the art laboratories and library.

Vision

"Tejo Si Tejo Me Dehi".

Mission

- To impart quality education through effective teaching - learning methodologies.
- To inculcate positive attitude and moral values amongst future technocrats.
- To promote excellence by encouraging creativity, critical thinking and discipline.
- To inculcate sensitivity towards society and a respect for the environment.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Institution is governed by a very strong organization which has more than 100 years glorious history, administered by visionary and proactive management.
2. Sound relationship amongst stakeholders such as students, parents and management, faculty, and staff member of the institution.
3. An ISO 9001:2015 certified institution.
4. IQAC exists in the college and act as a think tank of the institution.
5. State of the art infrastructural support in the region with attractive and specious green campus with ease in connectivity.
6. Well equipped laboratories having instruments, trainer kits, and computing facilities.
7. The college has qualified, dedicated and dynamic faculty and highly trained support staff to take care of all aspects of the campus, and academics.
8. Smart School ERP system, ICT enabled classrooms for effective teaching learning process.
9. Adherence to academic calendar.
10. Better opportunities are provided for co-curricular and extra-curicular activities for overall growth of the students through various events such as national days, YIN, NSS, Rotaract, various festivals.
11. The institution provides scholarships to the meritorious students belonging to rural area through vision and strong support of parent institute.
12. The institution caters around 50% girl students.
13. The institution provides a strong platform to empower girl students' through 'Jai Jijau Abhiyan'.
14. Agricultural background of majority of students leads to provide better engineering solutions for agricultural problems.
15. Better sports and gymnasium opportunities are provided to students, through this student have represented the institution at various university level sports events.

Institutional Weakness

1. The students seeking admission in the institution are from very poor background. Many students' parents are daily wage workers and labours.
2. Poor socio-economic background of majority students leads to poor language and communication competence.
3. Rural area location of the institution causes lack of senior and experienced faculty, particularly doctorate faculty.
4. Hardship in placement opportunities in core industries.
5. Fewer number of sponsered, inter-disciplinary and research projects.
6. Less consultancy works.

Institutional Opportunity

1. Training on foreign languages such as Japanese, German, French for better career opportunities to the students.
2. Excellent linkages with cities having industrial hubs like Mumbai, Pune, Aurangabad, and Nashik which facilitates to invite visiting/expert faculty.
3. Sharing of institutional resources to conduct various government and autonomous body examinations for revenue generation.
4. Promotion of faculties and students for research, consultancy initiative and higher education.
5. Organized contribution of alumni in overall development of students.

Institutional Challenge

1. Increase placements in core areas.
2. To attract highly meritorious students and experienced faculty members.
3. Awareness, upgradation and to cope-up with emerging technological fields.
4. High cost incurred in technical education.
5. Motivate students to get qualified in GATE, GRE, CAT like examinations for higher education.
6. Communication skills of students due to rural background.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The institution is affiliated to Savitribai Phule Pune University, Pune (SPPU) which designs and develops the curriculum. Planning and effective implementation of the curriculum is as per guidelines laid by SPPU and through active participation of faculties through FDP and workshops organized at the university level for syllabus revision.

The institution plans an academic curriculum strategically focusing on Institute Vision, Mission, and PSOs of various programs. Institution academic calendar ensures academic planning and execution of academic activities. The department academic calendar is prepared before commencement of the year and includes curricular, co-curricular, and extra-curricular activities

The curriculum is planned considering current industry requirements and technological advancements. The course is planned by faculty members, who include course content, identified curriculum gaps based on predefined POs and COs, in line with the Institute mission. To bridge the gap between curriculum and industry requirements, certificate programs, workshops, seminars, add-on courses, value-added courses are conducted. Various courses prescribed by the university to address cross-cutting issues such as gender equality, environment and sustainability, human values, and professional ethics are implemented. National Service Scheme (NSS) addresses the above-mentioned issues through various activities. HODs and academic monitoring committee coordinates and monitors the effective implementation and delivery of the curriculum.

Academic Audit ensures the quality of the curriculum delivery through unit tests, seminars, projects, practical, assignment, and continuous assessments and students' attendance. The feedback system of institution takes

feedback on curriculum, extension activities, faculty development, and infrastructural facilities from different stakeholders like a student, teacher, and alumni.

Teaching-learning and Evaluation

Student's 360-degree development, the institution takes exertions by Mentor-Mentee, continuous monitoring, assessment, and evaluation of students. The academic evolvement of the students is constantly monitored by subject teachers, mentors, and HoDs. The college organizes various events, guest lectures, Industrial visits, workshops, technical events, project competition, and paper presentation competition for academic development of students. Faculty focus on knowledge-based education and learning through student's active participation and involvement. Modern teaching and learning methodologies are used to motivate students to learn for higher retention of knowledge through better understanding, for increased depth and positive attitude towards subjects taught like active learning, collaborative learning, and inquiry-based learning, cooperative learning, problem-based earning, peer team learning, experimental learning, project-based learning, and self-learning.

 A faculty innovation in the teaching-learning process makes it more attractive to students. Teachers are realizing changes and innovate various tools and techniques in the teaching-learning process to deliver knowledge so that students actively participate in it and grasp the ideas quickly. Faculty use various tools and techniques to make teaching more innovative like ICT based teaching-learning, digital social learning like what's up, Google group, NPTEL lecture, self-made notes, and PowerPoint presentation.

To build a gap between industry and education system, and academics the college not only arranges industrial visits but also faculties attending various faculty development programs. The faculties motivate students to undergo internships as well as undertake industry-sponsored projects. For 360-degree development, faculty check overall performance and skill through teaching-learning outcomes.

Research, Innovations and Extension

The Institution has constituted the Research and Development Committee to promote research and consultancy related activities. The institution has received grants for various research projects from government and non-government agencies. Administrative help, academic assistance, financial support, and execution autonomy are given to researchers for the implementation of research schemes, projects, design, and development. The Institution conducts multidisciplinary projects to cultivate research approaches and workshops/seminars to meet the standard of employer evaluations.

The Institution motivates faculties and students to publish their research work in reputed journals and conferences and are encouraged to file patents. The institution has also stated code of ethics to check malpractices and plagiarism in research. The institution has framed consultancy and testing policies to encourage faculty members to fetch consultees.

Students are promoted to participate in technical and research activities/competitions for encouraging their research component. The institution provides incentives for competitions such as Baha, Krushi Mahotsav Award, Innovative Igniters Award, Smart Hackathon. Students and faculty members are extensively motivated for extension activities through the National Service Scheme (NSS) and Young Inspirator Network (YIN). Students participate in activities, which are conducted at institutions, University, and State levels for

demonstrating a spirit of responsibility with core values like honesty and initiation on platforms like annual cultural festivals, sports, and technical events.

The institution has been awarded for conducting social activities such as Blood Donation Camp, Solar Car, Smart City competition. An Industry-Institution Cell results in opportunities for sponsored projects, research, consultancy, In-plant training, and Internship. Collaborations and Signed MoU leverage the R and D activities.

Infrastructure and Learning Resources

The college has infrastructure more than required as per the norms laid down by AICTE New Delhi, DTE, and Savitribai Phule Pune University, Pune, and upgraded as per the growth-expansion. The college is spread over an area of 21.68 acres. The college has well equipped 15 classrooms, 4 tutorial rooms, 37 laboratories, and 2 seminar halls. Classrooms and seminar halls have LCD projector, Internet connectivity.

The college has a computing facility with 40 Mbps internet speed in a campus with 289 computers with UPS back up and a centralized server room. The institution has a basketball court, and a playground for various outdoor games such as cricket, football, kho-kho, volley ball, badminton. The gymnasium facilitates various indoor games such as table tennis, chess, carom, is available.

The college has an open-air theater and a spacious Yoga center which is used to conduct meditation and yoga activities for the students and staff.

The library is well equipped, spacious with a carpet area of 430 Sq. Mt. The reading room is well furnished and has a capacity of 180 students. The central library is consisting of a good collection of engineering books it has about **3206** titles, **11532** volumes, including IS Codes, communication skill books, competitive exam books, non-curricular books, brail literature, CDs, e-books, e-journals, national, international journals, and periodicals.

The college has well established IT infrastructure with various software such as MATLAB, Java, Dot NET visual studio 14, Android Studio3.2, C Lang, C++ Language, AUTO-CAD Civil, Stad-Pro, Catia, ANSYS.

Student Support and Progression

Shri. Chhatrapati Shivaji Maharaj College of Engineering believes that students of today lay the foundation stone of future society. Accordingly, the institute always takes efforts for students' overall development.

The needy students are intimated and guided about the schemes of scholarships and freeships, and the Sanstha scholarship.

Special efforts are made for career counseling, capacity building, and skills enhancement within the students through various activities such as physical fitness, yoga, expert lectures, entrepreneurship development, workshops, and seminars.

Institute has a mentoring system, where for each department there is one chief mentor and for every 20 students, a faculty acts as a mentor, till the student completes his/her program. Faculty mentor looks after mentees for overall development, academics, personal counseling.

Student Grievance Committee has been constituted to redress the grievances regarding sexual harassment and ragging respectively.

The Institute organizes various co-curricular and extracurricular activities in cultural and sports events which eventually help the students to showcase their talent.

The institute has an active Students Council through which various co-curricular and extra-curricular activities are organized.

Governance, Leadership and Management

The institution's vision and mission focus on the affordability of education with features viz. quality academics, infrastructure, research laboratories, industry-interaction, co-curricular and extra-curricular activities. The Institute develops excellent and pleasant infrastructure for the execution of an effective teaching-learning process for the empowerment of students. Institute provides a platform for students and staff to explore their strength through involving and performing in various committees towards enhancement of quality education.

The institution has a Governing Body (GB) and the College Development Committee (CDC) as per the rules and regulations of the Maharashtra state government and SPPU. GB of Institution has prescribed a code of conduct for teachers, students, and higher authorities of the institution to maintain discipline. CDC plays an important role in the effective implementation of academics and college administration as per organizational structure through different committees. Committees play a vital role in the accomplishment of all the activities of the institution and help to improve the overall development.

Institution plan financial annual budget based on the requirements of recurring and nonrecurring expenditures. The institution has developed mechanisms for audit which ensure budget utilization and proper documentation. The institution has developed the perspective plan which includes association with industries for the empowerment of students and staff.

The institution has established an Internal Quality Assurance Cell (IQAC) in 2017. IQAC plays an important for the effective teaching-learning process and overall development. IQAC also takes a review of the execution of all the activities related to academic performance, research, student development, placement activities, and other extracurricular activities in the institution.

Institutional Values and Best Practices

To follow our vision and Mission, Institution provides equal opportunities to students in various technical events, Social and educational programs as gender equality and sensitivity. The outcome of this is our students participate and won the prizes in the competitions. The safety and security of the student, CCTV, and fire extinguisher are placed on necessary pleases. Women's grievances cell is in place to address the issues of girls.

The institution has adopted eco-friendly practices of waste management, paperless and plastic-free campus for environmental consciousness and sustainability. More than 1125 trees were planted. The institution has provision for lift, physical facilities, ramp, restroom, and scribble for examination for differently-abled students.

Institution frequently provides motivation, support, and platform for girl students to inculcate the entrepreneurial, leadership, and embedding multi-disciplinary skills for enrichment of technical proficiency. The institution also arranged personality development, physical education for health, Hemoglobin check Camp and Eye checkup camp, entrepreneurship program, yoga and meditation, motivational speeches from expert personality as well as awareness in the areas of cybercrimes. This Jai Jijau Abhiyan of women empowerment is institution best practice.

To sustain and enrich themselves in the technical field the financially weaker section students are awarded scholarships at the Sanstha level. 'Let us learn' is the institution's best practice.

The institution is distinctive by providing guidance, financial support, and a global platform to students to participate in every competition like Indian Solar Vehicle Challenge, National Solar Vehicle Championship, International Krushi Mauli Mahatosav, I2I, Best Innovative Award 2018, Robotics. So they can develop their skills and come out with agriculture and socio-economic problems. Some projects register for the patent. Hence Technology for Social Upliftment and Rural Development is the institutional distinctiveness practice.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	AHMEDNAGAR JILHA MARATHA VIDYA PRASARAK SAMAJ'S SHRI CHHATRAPATI SHIVAJI MAHARAJ COLLEGE OF ENGINEERING, NEPTI, AHMEDNAGAR
Address	Survey No- 162 and 163, Nepti, Nagar-Kalyan Road, Ahmednagar, Maharashtra.
City	Ahmednagar
State	Maharashtra
Pin	414005
Website	www.scoea.org

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal(in-charge)	M. P. Nagarkar	0241-2568383	7020691511	0241-2568384	scsmcoe.anr@hotmail.com
IQAC / CIQA coordinator	P. G. Nikam	-	9156990001	-	prasad.nikam@scoea.org

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 minroity institution	No

Establishment Details

Date of establishment of the college	16-06-2011

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](#)	29-04-2019	12	

Details of autonomy

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

Recognitions

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

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	Survey No- 162 and 163, Nepti, Nagar-Kalyan Road, Ahmednagar, Maharashtra.	Rural	21.68	13526.39

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	**Name of Programme/Course**	**Duration in Months**	**Entry Qualification**	**Medium of Instruction**	**Sanctioned Strength**	**No.of Students Admitted**
UG	BE,Civil Engineering	48	HSC Science	English	60	35
UG	BE,Computer Engineering	48	HSC Science	English	60	58
UG	BE,Electronics And Telecommunication Engineering	48	HSC Science	English	60	9
UG	BE,Mechanical Engineering	48	HSC Science	English	60	42

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				4				11				33
Recruited	1	0	0	1	0	0	0	0	2	2	0	4
Yet to Recruit				3				11				29
Sanctioned by the Management/Society or Other Authorized Bodies				0				0				43
Recruited	0	0	0	0	0	0	0	0	25	18	0	43
Yet to Recruit				0				0				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				17
Recruited	13	4	0	17
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				7
Recruited	7	0	0	7
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.	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	0	0	0	0	1	0	2
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	2	1	0	3

Temporary Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	1	0	0	1
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	24	18	0	42

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

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**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	426	0	0	0	426
	Female	311	0	0	0	311
	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	4	3	3	3
	Female	7	1	2	4
	Others	0	0	0	0
ST	Male	1	0	0	0
	Female	0	1	1	0
	Others	0	0	0	0
OBC	Male	39	29	35	41
	Female	23	16	15	16
	Others	0	0	0	0
General	Male	59	32	42	51
	Female	11	17	21	21
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		144	99	119	136

Extended Profile

1 Program

1.1

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

2018-19	2017-18	2016-17	2015-16	2014-15
183	180	174	165	165

File Description	Document
Institutional data in prescribed format	View Document

1.2

Number of programs offered year-wise for last five years

2018-19	2017-18	2016-17	2015-16	2014-15
4	4	4	4	4

2 Students

2.1

Number of students year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
737	717	739	806	617

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

2018-19	2017-18	2016-17	2015-16	2014-15
120	120	120	120	120

File Description	Document
Institutional data in prescribed format	View Document

2.3

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

2018-19	2017-18	2016-17	2015-16	2014-15
212	171	224	178	68

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

2018-19	2017-18	2016-17	2015-16	2014-15
41	44	47	46	59

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
48	64	64	64	64

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 16

4.2

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

2018-19	2017-18	2016-17	2015-16	2014-15
138.46	89.83	110.02	154.70	118.61

4.3

Number of Computers

Response: 322

4.4

Total number of computers in the campus for academic purpose

Response: 235

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:

Our institution is affiliated to the Savitribai Phule Pune University, Pune (SPPU) and approved by AICTE and recognized by the Directorate of Technical Education (DTE). The institution offers four undergraduate (UG) courses and follows the curriculum designed by SPPU. The institution has established an Academic Monitoring Committee (AMC) to evaluate academic activities.

Implementation of Curriculum:

- At the end of the semester, HoD seeks subject choices from faculties to allot teaching load as per the expertise and experience of faculty.
- Faculty prepares course files with CO-PO-PSO mapping. The course file includes academic calendar, teaching plan, university question papers, handwritten notes, question bank. The teaching plan consists of date wise syllabus coverage including topics in detail, books, reference books and research papers referred for that topic, and is periodically monitored by HoD. Add-on courses are organized as per requirement during the semester.
- Department organizes guest lectures, expert lectures from industry and other institutions. Faculty prepares documentation for expert lectures, NPTEL lectures, industry visits, tutorials, e-learning assignments, internal tests.
- Continuous assessment of students is maintained by faculty as prescribed by the syllabus. Project and seminar work is planned at the beginning of the semester. The students are motivated to carry out projects with industrial collaboration.
- To compete with the technological and industrial demands, the institution insists on faculty members to follow innovative teaching aids like e-content, e-presentations along with traditional chalk and board method. In addition, tools like ICT presentations, assignments, workshops, seminars are adopted to enlighten students through effective curriculum delivery.
- To enrich curriculum contents, faculty members participate in faculty development programs, workshops, syllabus revision workshops organized by SPPU.
- For a group every 20 students a teacher-mentor is allotted. Mentor conducts weekly meetings, for counseling of mentees and motivates slow and fast learners. Mentor conducts various mentoring activities like presentations, group discussion, and aptitude test. It also addresses non-academic issues of mentees.
- To support curriculum insight industrial and field visits are organized.
- Book bank facility is provided to students through Central Library. The institution has a pool of e-books and e-journals to cope with recent technological and industrial advancements.
- Students are intimated about the commencement of semester and curriculum through notices, SMS and website.

- Based on university guidelines institution prepares the academic calendar, which is displayed and distributed to students and also available on the website. The academic calendar includes curricular, co-curricular, and extracurricular activities.
- Effective implementation of the curriculum is monitored by AMC. Enterprise Resource Planning (ERP) software maintains the academic data of faculty and students. Various reports are generated by ERP like monthly attendance, subject wise attendance, and cumulative attendance. Parents of defaulter students are informed by mail and SMS.
- Student's feedback is taken online and orally during mentoring activities and corrective actions are initiated accordingly.
- Online, in-semester and end-semester examinations are conducted by the institution as per the SPPU rules and regulations.
- Students are grouped into slow and fast learners based on an online and in-semester examination, and remedial classes are conducted.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

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

Response:

The institution follows university academic calendar each semester and prepared institutional academic calendar (IAC). Each department prepares departmental academic calendar in coherence with IAC. IAC follows dates proposed by university for commencement and conclusion of semester, schedule of online, in-semester, end-semester, oral and practical examinations. IAC includes events like expert lecture, science exhibition, cultural activities and annual social gatherings. Departmental academic calendar accommodates industrial visits, guest lectures, seminars and workshops as per course needs.

Semester-wise academic time-table is prepared by the department. Time-table facilitates subject teachers to organize teaching-plan. Every department conducts internal examination, continuous assessment, and project progress review and seminar presentations as per standard procedure.

During semester following activities are performed as per academic calendar:

a. Lecture and Practical Conduction and Record:

As per IAC lectures and practicals of respective courses are conducted program wise. Respective subject teacher prepares teaching plan to conduct lectures and practicals. Throughout semester academic record of each student is maintained viz. course attendance, internal evaluation.

b. Continuous Internal Evaluation (CIE):

CIE process is adopted to test subject knowledge and practical skills. The CIE is based on direct tools viz. internal unit tests, online, in-semester and end-semester examinations, practical and oral examinations, and assignments. CIE also involves indirect tools like course feedback, discussions, and quiz. The institution implements CIE as follows;

1. **Internal Examinations:** Institution has appointed examination coordinators department-wise to conduct internal examinations such as tests prior to SPPU online and mid-semester and end-semester examination. The nature of internal examination is based university syllabus pattern and requirements which benefits students to visualize and understand SPPU examination pattern. To ensure transparent assessment and evaluation internal test papers are distributed to the students.

2. **Mock Oral and Mock Practical examinations:** At the end of each semester mock oral and mock practical examinations are conducted to boosts overall confidence and performance of the students during university examinations also it enhances practical knowledge and overall understanding of the course.

3. **Term Work Evaluation:** The institution has adopted continuous evaluation policy to assess and evaluate term work.It is declared to the students at the commencement of semester. The evaluation is based on the parameters like overall attendance, punctuality, subject knowledge and performance, internal examination, and assignment assessment.

4. **Assignments:** Assignments are based on course content and assessed by faculties. Assignment builds thinking ability, problem-solving and logical skills, capabilities to determine correct solutions, and possible alternate solutions.

5. **Project and Seminar Assessment:** The institution encourages students to undertake industry-sponsored projects to tackle industrial and real-world problems. Project assessment is a continuous activity throughout year. Departmental project evaluation committee monitors and analyses students' periodic progress. Project guide and evaluation committee steer the project group in proper direction to achieve project objectives. Two project reviews are conducted semester-wise. Students are motivated to undertake seminars based on latest technological advancements. The evaluation of seminar is based on presentation and communication skills, critical thinking, understanding and preparation of topic, literature review, report writing, and punctuality.

File Description	Document
Upload Additional information	[View Document](#)
Link for Additional information	[View Document](#)

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: C. Any 2 of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Details of participation of teachers in various bodies/activities provided as a response to the metric	[View Document](#)
Any additional information	[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: 4

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

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

Response: 13

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

2018-19	2017-18	2016-17	2015-16	2014-15
8	3	1	1	0

File Description	Document
Institutional data in prescribed format	[View Document](#)
Brochure or any other document relating to Add on /Certificate programs	[View Document](#)
Any additional information	[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: 17.73

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

2018-19	2017-18	2016-17	2015-16	2014-15
432	132	40	50	0

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	[View Document](#)

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 curriculum of the SPPU has various courses that address Gender, Environment, Sustainability, Human values and Professional ethics (e.g. environmental engineering, disaster management, soft skills, energy audit management, human rights, smart cities, water management).

Gender issues:

- To disseminate the importance of gender equality institution practices equal opportunity policy informing various committees.
- Equal opportunities are given to girls and boys in terms of admissions, training programs, sports, and cultural activities.
- Girls and boys equally participate in various co-curricular, extracurricular activities like paper presentations, group discussions, and project work.
- YIN (Young Inspirators Network) is initiated by SAKAL media group where male and female students are given opportunities to inculcate leadership qualities.
- Students are equally encouraged to participate in NSS activities for social awareness.
- Every department has a student association where students are given equal opportunity.
- Institution has established an Internal Complaint Committee (ICC) to address the issues related to girl students. Institution is conscious about issues like gender inequality, child abuse, and sexual harassment and arranges rallies like Beti Bachao Beti Padhao, Save Girl Child.
- Institution also organizes programs like self-defense training and health checkup camp. Guest lectures are arranged for girls to make aware of health issues.

Human Values:

- The value of truth, honesty, sacrifice, commitment, team-work, and relationship is included in the curriculum. This creates awareness about social responsibilities, environment, and a sustainable lifestyle.
- Institution established NSS unit of the university which organizes different activities to understand root level problems faced by villagers and try to find out solutions.
- NSS inculcates various life skills by participating in camps organized at university and district levels. Students also participate in different activities like blood donation camp, Police Mitra, Swach Bharat Abhiyan.
- Institution arranges yoga and meditation activity to improve self-understanding, power of concentration and manage stress.

Environment and Sustainability:

- Some core courses like energy audit and management, power plant engineering, refrigeration and air conditioning, turbo machines focus on the design and development of various mechanical systems in an energy-efficient manner. The courses like basic civil and environmental engineering, environmental engineering-I and II focuses on environmental issues.
- NSS organizes tree plantation on the campus and at winter camp unit for environmental awareness.
- The architecture of the institution facilitates the use of natural light. Use of LED and CFL lamps is encouraged and implemented on the campus. Display boards regarding energy saving exercises are showcased at prominent places.

Professional Ethics:

- The term professional ethics includes personal, organizational and corporate standards of behavior during the practice. It emphasizes greeting people, handshaking protocol, meeting room protocol, dressing etiquette at offices and social events.
- Students are encouraged to participate in events like workshops, conferences, seminars, tech fest to imbibe professional ethics. The research and review articles of students and faculties are reviewed by the research committee and are checked for plagiarism. Institution organizes various training programs like Soft Skill development. Institution has memberships of various professional associations like Institution of Engineers of India (IEI).

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	[View Document](#)
Any additional information	[View Document](#)

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

Response: 5.24

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

2018-19	2017-18	2016-17	2015-16	2014-15
6	6	6	6	6

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

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

Response: 45.45

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

Response: 335

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	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: B. Any 3 of the above

File Description	Document
Any additional information (Upload)	[View Document](#)
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	[View Document](#)
URL for stakeholder feedback report	[View Document](#)

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

File Description	Document
Upload any additional information	[View Document](#)
URL for feedback report	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 51.75

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

2018-19	2017-18	2016-17	2015-16	2014-15
144	99	119	136	123

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
240	240	240	240	240

File Description	Document
Institutional data in prescribed format	[View Document]
Any additional information	[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: 50.83

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

2018-19	2017-18	2016-17	2015-16	2014-15
74	50	56	64	61

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

2.2 Catering to Student Diversity

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

Response:

The institution has a structured mechanism for continuous monitoring, assessment, and evaluation of students. The academic progress of the students is constantly monitored by subject teachers, mentors, and HoDs with the help of previous year results, class tests, online, semester examinations, assignments, continuous assessment sheets, and mentoring handbooks.

The institution follows the central admission process (CAP) to admit students. For fresher's, an induction program is arranged where the principal interacts and welcomes the students. The FE coordinator addresses and all faculties are introduced to the students. The students are briefed about instructional and infrastructural facilities through a guided tour of the campus. During induction, the time slot is reserved for sports activity which helps as an icebreaker among the students and faculties which helps them to acclimatize the college environment. Before the commencement of academics, special sessions are arranged to revise fundamental concepts of physics, chemistry and mathematics learned at XII standard and their relevance in engineering.

The subject teachers and mentors identify the slow and advanced learners with the help of university examination results and through interaction with students during lectures and practical hours. Department organizes counseling sessions of professional counselors. The professional counselors carry out 'Stress Test', 'Skill Test' and 'SWOT' analysis of students. A detailed analysis of the tests is carried out and students are motivated. The results are shared with mentors, subject teachers, and students.

Extra care of slow learners

- Mentors and subject teachers provide personalized counseling and guidance to the slow learners depending on their ability and intellectual level.
- The parents of slow learners are invited to the college and are informed about the students' performance, attendance and progress.
- Subject teachers give special attention to the slow learners during lectures through interactive sessions.
- To increase subject interest guest lectures and industrial/field visits are organized which provides in-depth subject knowledge.
- To clear the understanding of students about difficult topics, extra lectures are organized. Lecture involves interactive sessions and the use of ICT tools.

Special programs for Advanced Learners

- A special library facility is provided for advanced learners.
- Advanced learners are appreciated for their performances which act as a motivation for them.
- Students are encouraged and sponsored by the college to participate in various national and state-level competitions like Hackathon, Ignited Innovators of India (I2I), Indian Solar Vehicle Championship (ISVC), National Solar Vehicle Championship (NSVC), Krushi Mauli.

- Students are encouraged to learn advance technologies through NPTEL, Swayam courses.

The students are encouraged to undergo internships during their summer and winter vacations. Mentor-mentee practice is adapted to the all-round development of mentees with the help of specially designed mentor handbook. Everyday yoga sessions are conducted at the beginning of the session to improve concentration.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional Information	[View Document](#)

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

Response: 15:1

File Description	Document
Any additional information	[View Document](#)

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:

Nowadays the teaching-learning process is becoming a student-centric teaching-learning process through the use of e-resources, ICT tools. This is done through classroom lectures by participation and involvement of students in curricular activities. The innovative teaching-learning practices help in higher retention of knowledge through better understanding and enable a positive attitude towards subjects taught. These approaches help students to participate in various state and national level competitions, conferences and filing patents.

a. Active learning:

Faculties adopt active learning by participating students in the teaching-learning process more directly through following activities; Brainstorming, quiz, debate, group discussions, role play, games, model making, mini-projects, presentations, case studies and simulations on technical content. Industrial visits, demonstrations enrich students' learning experience.

b. Collaborative Learning:

A team of students is formed which participates to solve a problem, complete a task/project, participating in debates or design a product. These teams study new topics and present paper at various conferences. The

teams work together on different projects which help in inculcating qualities like teamwork and leadership among students.

c. Inquiry-based Learning:

Students are encouraged to search and make use of resources beyond the classroom for investigation of open questions/problems, developing their critical thinking and increasing understanding levels by performing a review of research papers, surveys. Students are motivated by providing financial aid to encourage them to participate in various technical events.

d. Cooperative Learning:

The faculty focuses on cooperative learning methodologies. Students work together to maximize their own and each other's learning experience by performing activities such as think-pair-share, round table techniques. Students have developed an onion harvester, application for the visually impaired persons, institutional website, and solar vehicles which have secured awards at the national and state level.

e. Problem-based Learning:

In projects/competitions, participating students are assigned different tasks, assignments, portfolios, activities in which students engage in complex, challenging problems and collaboratively work towards their solutions by using inter-disciplinary knowledge like design of solar vehicles (ISVC, NSVC), design and implementation of software/apps, design of low-cost toilet for Balghar thus these activities enhances experiences.

f. Peer Lead Team Learning:

Institution provides an environment to students to engage in discussions and work in team for problem-solving under the guidance of a peer leader to perform various activities.

g. Experiential learning:

Field-based experiential learning like internships, class-based experiential learning as role-plays, games, case studies, simulation, industrial/field visits, and presentations are practiced. Third-year students are asked to attend the internship programs during vacations.

h. Project-based learning:

Students apply knowledge through projects/model building/simulation and design of systems. It helps to bridge the gap between theoretical concepts and practical applications. The students have to prepare projects/mini projects and write a project reports.

i. Self-Learning:

This special method adopts self-learning of a topic from syllabus and students are encouraged to teach the same to the rest of class. This helps in improving thinking abilities and soft skills, understanding concepts and improving stage confidence.

File Description	Document
Upload any additional information	View Document
Link for additional information	View Document

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

Response:

To bridge the learning gaps ICT helps in sharing and exchanging the latest ideas and views. The teaching-learning process is becoming less dependent on paper and pen and more based on e-technologies. This advanced era of technology e-devices is substituting the use of paper with hi-tech features to deliver the latest knowledge to the students. Along with traditional chalk and talk method innovative teaching-learning process is more attractive to students. Teachers are realizing these changes and innovating various tools and techniques in teaching-learning process to deliver the contents/knowledge so that students can actively participate and grasp the ideas quickly. Faculties are attending various faculty development programs for domain knowledge and for new trends in education technology which make their teaching more innovative. Faculty presentations in departments enhance the peer learning of teachers.

Following are the various tools and techniques used by faculty and institution to make teaching more innovative:

a. ICT based teaching-learning:

Faculties use various modern teaching tools like PPTs, OHPs for effective delivery of the curriculum. Faculties use NPTEL videos for better understanding of the concepts. The campus is wi-fi enabled. Students are enrolling in NPTEL, SWAYAM courses.

b. Digital social learning platforms:

Social media platforms such as Whatsapp and Google are used to circulate notes, assignments, model answer sheets, question banks and solving queries of students through Whatsapp groups and Google groups. Digital platforms help in providing a 24x7 contact between teachers and students.

c. ERP System:

The Smart School ERP system is implemented to cater for-

- Learning material distribution
- Online attendance
- Online feedback
- Syllabus Coverage
- E-notice

d. E-Library:

The library is equipped with e-resources like-

- E-books
- E-journals – IEI, IEEExplore, J-Gate Science and Technology, ASTM Digital Library, IETE, MAT e-journals
- Shodhganga
- DELNET
- Open Source Database - National Digital Library

e. Proactive teaching methods (Video Lecture, Group Discussions):

Faculties undertake interactive teaching methodologies like Video Lecture demonstration, Lecture, role play, group discussions which creates interest among the students in the subject. This helps in better understanding of concepts. Institute organizes workshops on latest software used in the industries.

Department is having a laptop, projectors, printers, and scanner to be used while lectures. Faculty store education data in Google drive and share it with students. ICT tools help in providing in-depth subject insight and improve understanding.

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process.	View Document

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

Response: 18:1

2.3.3.1 **Number of mentors**

Response: 42

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

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

Response: 100

File Description	Document
List of the faculty members authenticated by the Head of HEI	[View 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: 3.23

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**

2018-19	2017-18	2016-17	2015-16	2014-15
3	2	2	1	1

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[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: 4.52

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

Response: 209.72

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[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 institution follows university guidelines for internal assessment of theory and practical and designed a complete transparent mechanism for internal evaluations. The mechanism is communicated well in advance to the students. Internal assessments can serve in two different ways viz. Formative and Summative assessment helps students to track their progress.

Mechanism for Internal Assessment

The internal assessment is continuous in nature and based on the viva-voce, internal test, assignments and attendance of theory and practical which is implemented as follows-

1. Practical and Term Work Assessment

A student's practical internal evaluation is maintained in a continuous assessment book. Student's performance is evaluated based on criteria timely submission, Performance, Understanding, Lab quiz and Presentation for each practical separately comprising of 10 marks.

2.Seminar and Project Assessment

Each faculty is assigned students for seminars and groups for the project. Topics were finalized by a departmental committee based on, new inventions, ideas, and research.

The seminar follows the Formative Assessment mechanism which is internally evaluated through reviews by a departmental committee. Evaluation is based on components viz. basic knowledge, objective, understanding, presentation, and performance.

Final Project evaluation is Summative assessment which is done by internal guide and external examiner appointed by SPPU through viva-voce and presentation of concept through a model, prototype, and software app. The departmental committee conducts internal evaluation which is based on components viz. implementation, analysis, testing, result, and presentation.

Transparency in Internal Assessment

Transparency is maintained in internal assessment.

1. The notices regarding the evaluation schedule of internal assessment are displayed on the notice board, circulated through what's App Groups as well as conveyed to students through notices and announcements from time to time by the faculties.
2. The internal marks are displayed on the notice board. Students are allowed to meet and clarify their queries, also discuss with respective faculties about their performance in internal evaluation.
3. Evaluated answer papers are distributed to students. Faculties clarify queries of the students and give feedback and suggestions to the students for improvement.

Robustness in Internal Assessment

1. The departmental Exam Coordinator is appointed by the head of the department to conduct the internal exams.
2. Departmental Exam Coordinator maintains confidentiality w.r.t Question Papers.
3. Overall performance, attendance, feedback about the student is communicated to parents by mentor faculty.
4. The decorum of the examination is maintained strictly as per rules and regulations.

Frequency of Internal Assessment

The internal assessment is conducted on a continuous basis throughout the semester.

Mode of Internal Assessment

There is adaptability in the structure of Internal Assessment. The faculties are allowed to select an evaluation method appropriately for their course like-

1. Class test
2. Assignment
3. Quiz
4. MCQ's
5. Presentation
6. Group Discussion

File Description	Document
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

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

Response:

A mechanism is formulated by the Institute in line with the SPPU to acquire transparency in the assessment and to facilitate for redressal of grievances of students relating to internal examination assessment efficiently and effectively. Head of Department (HoD) appoints exam coordinator for the smooth conduction of internal examinations and to address grievances.

Mechanism of Redressal of Grievance for Internal Evaluation by the Institute:

1. The internal examination schedule is prepared and communicated to all faculties and students in advance by the departmental exam coordinator.
2. Each faculty submits question paper, model answer with marking scheme to the departmental exam coordinator.
3. After the assessment of papers, internal marks are communicated and evaluated answer papers are distributed to the students. The model answer paper with marking scheme is kept in the department for students to overview and feedback.
4. Students are notified through notice about the submission of grievances within a stipulated time of one week to the respective HoD through written application.
5. If any discrepancy observed, a student applies on his/her own willingness in writing to HoD who forwards those applications to the respective subject teacher.
6. The answer sheet is handed over to the student and then the subject teacher addresses the grievance up to the student's satisfaction using a model answer sheet and marking scheme.
7. The subject teacher will prepare the report about the grievance and submit it to HoD.

Mechanism of Redressal of Grievance for External Evaluation by the University:

Usual grievances in the external evaluation may arise related to online, in-semester or end-semester theory examination.

In case of any grievances in online examination like images not rendered properly, options not visible, repeated options, students can mark the particular question as **INVALID** and university examination authorities will consider and resolve the case.

If a student has a grievance regarding theory marks, he/she can apply for a photocopy of the answer sheet through the university web portal. Upon receiving photocopy, a student can apply for revaluation depending on owns willingness.

File Description	Document
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

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:

The Institution is implementing the well-defined Program Outcomes (PO), Program Specific Outcomes

(PSO) and Course Outcomes (CO). The vision and the mission of the institution are discussed in the meetings. Head of the department and teachers accentuates about POs PSOs of the program and COs of the course. Every course teacher confers predictable course outcomes with students at the beginning of each semester.

Following locations are identified and POs and PSOs are prominently displayed for faculties and students:

- Institution website.

- HOD cabins

- Department Notice Boards

- Department laboratories

- Department Library

- Displayed in classrooms.

Principal conveys institution vision, mission, and POs to all newly admitted first-year and directly admitted second-year students and their parents during the induction program. PO and PSO are communicated with all teaching, non-teaching, and administrative staff by the Principal through Meeting. PO and PSO communication is to students by the Head of Department, class teachers and subject teachers during the beginning of every semester.

COs are well definite by University. These COs are communicated and discussed with the students by the subject teacher during the commencement of every chapter. POs, PSOs and COs related to program and course are binding part of course file prepared by the course teacher. COs are also well documented in the laboratory manual. The COs are intended to give a clear picture to the students about the expected outcome after the successful completion of the course.

File Description	Document
Upload COs for all courses (examples from Glossary)	[View Document](#)
Upload any additional information	[View Document](#)
Paste link for Additional information	[View Document](#)

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

Response:

Institution and faculties use the following methods for measuring attainment of program outcomes and course outcomes. The institution follows the program outcome given by the National Board of

Accreditation (NBA) for an engineering degree program. Each program/department formed program specific outcomes in synchronization with the objectives of the curriculum designed by the university. The university syllabus has well-defined course objectives and course outcomes for each subject.

Attainment of course outcome

- A teacher prepares an effective teaching plan for theory course and laboratory plan for laboratory practicals by adding content in line with course objectives.
- The COs are mapped with the units defined in the syllabus in such a way that among the defined COs at least one CO must be mapped with the unit. Laboratory practicals are mapped with the COs using the same approach. The assignments and internal tests are based on course contents, thus COs are get automatically mapped.
- Correlation matrices present correlation of COs with PSOs and POs in terms of attainment levels - High, Medium, and Low.
- The teacher judiciously decides the target of attainment. The individual teacher uses assessment/evaluation as an indicator of the attainment of COs. The different evaluation measuring tools/methods such as class test, online exam based, continuous evaluation in practical slots is used as per the need of the course.

Direct Attainment of CO = COdir = 30% of CO attainment in internal examination (COint) + 70 % of CO attainment in the external examination (COext).

Overall attainment of CO = COovr = 90% CO attainment from Direct method (COdir) + 10 % of CO attainment through Indirect method (COind).

COdir = 0.3 COint + 0.7 COext

COovr = 90% COdir + 10 % COind

COs are mapped with PO and PSO.

Attainment of program outcome and Program Specific outcome

The direct attainment of PO and PSO is obtained by taking into consideration the contribution of each course as shown in the Program attainment matrix described in Table 2.

Direct Attainment of PO = Average of attainments of all CO contributing to the specific PO.

Overall attainment of PO = 90% attainment through the direct method + 10 % of PO attainment through indirect method.

Overall attainment of PO = POovr = 90% POdir + 10 % POind

PSOs are attained by indirect assessment tools like Course End Survey.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for Additional information	[View Document](#)

2.6.3 Average pass percentage of Students during last five years

Response: 87.97

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

2018-19	2017-18	2016-17	2015-16	2014-15
171	152	202	122	68

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

2018-19	2017-18	2016-17	2015-16	2014-15
210	171	224	178	68

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Paste link for the annual report	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.54

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: 3.62

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)**

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0.12	1.10	2.40

File Description	Document
Institutional data in prescribed format	[View Document](#)
e-copies of the grant award letters for sponsored research projects / endowments	[View Document](#)
Any additional information	[View Document](#)

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

Response: 15

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

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	1	1	1

3.1.2.2 **Number of departments offering academic programes**

2018-19	2017-18	2016-17	2015-16	2014-15
4	4	4	4	4

File Description	Document
Supporting document from Funding Agency	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.1.3 Number of Seminars/conferences/workshops conducted by the institution during the last five years

Response: 41

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

2018-19	2017-18	2016-17	2015-16	2014-15
13	10	7	5	6

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	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: 2.03

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

2018-19	2017-18	2016-17	2015-16	2014-15
16	20	19	39	23

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	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: 1.35

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**

2018-19	2017-18	2016-17	2015-16	2014-15
29	29	6	11	3

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	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 aim of the Institution is to provide the right environment for physical, intellectual, social and boost the emotional quotient in students with efforts to add values of good citizenship.

It has a great impact on having aspects of the mission and vision for the continuous improvement of students and it's employees as a strong social responsibility. It advances the intellectual development of students using modern engineering curricula focused on quantitative and predictive methods towards sensitizing as an overall individual, academic and professional mentoring and service-based learning.

Promotion of extension activities in neighborhood community: -

- Blood Donation Camp: The Institution has organized 7 blood donation camps in collaboration with blood banks since inception with an enthusiastically participation of students.

- Young Inspirator Network of "Sakal": The students are members of Young Inspirators's Network of "Sakal", one of the leading newspapers, under which 100 student volunteers worked as Police Mitra for Ganesh Festival.

- Tree Plantation: Institution organizes a tree plantation activity creating awareness related to

environmental issues.

- Donation: Raksha Bandhan celebration at Snehlaya Orphanage, Ahmednagar and donation for Kerala relief Fund imbibes brotherhood.

- Utkarsha Balghar Caring Friends: Faculties have conducted classes for computer awareness as an educational responsibility.

- Traffic Awareness Program: Free driving license camp and road safety workshop for neighborhood community was organized in association with Regional Transport Office, Ahmednagar.

- "Senior Citizen Day" for Matoshri Vrudhashram – Senior citizens are invited to participate in Annual Social Gathering.

- 'Swachh Bharat Abhiyan': Cleaning Awareness Camps have been organized in schools and bus stands.

- Career guidance: Career guidance programs conduction at various schools and colleges.

- Voting Awareness in Public: Poster competition was conducted on voting awareness with documentary prepared by the students.

- Water Conservation: Students have built up a Gabion Dam in Sarola Kasar, Ahmednagar and weir constructed at Hingangaon.

- Digitization Awareness: A seminar was conducted by the institution for digital awareness.

- Science Day Competition: It was organized at Ashokbhau Firodia English Medium School, Ahmednagar for igniting student's minds.

- Gender Issues Awareness on Women's Day: Seminars are held to discuss the various rights of women empowerment and safety.

- Field Visit at Aadarsh Gram (Model Village): Students have visited Ralegan Siddhi and Hivre Bazar where social activist Padmashri Anna Hazare and environmentalist Padmashri Popatrao Pawar have guided the students about social and environmental issues.

- Workshop on prevention from social networking and drug addiction and awareness of sound pollution were organized on the occasion of Swami Vivekanand Birth Anniversary.

The institution comprises dedicated students consistently improving their skills in contemporary social and environmental activities, sustainable development and passion for social ethics, with service orientation and holistic development. This develops the leadership and management qualities along with creating a social awareness towards the nation.

File Description	Document
Upload any additional information	[View Document]
Paste link for additional information	[View Document]

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

Response: 26

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.**

2018-19	2017-18	2016-17	2015-16	2014-15
1	0	0	1	2

File Description	Document
Institutional data in prescribed format	[View Document]
e-copy of the award letters	[View Document]

3.3.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the last five years (including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

Response: 46

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

2018-19	2017-18	2016-17	2015-16	2014-15
5	8	4	7	4

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

3.3.4 Average percentage of students participating in extension activities at 3.3.3. above during last five years

Response: 73.3

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**

2018-19	2017-18	2016-17	2015-16	2014-15
221	382	276	369	224

File Description	Document
Institutional data in prescribed format	[View Document]()
Any additional information	[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: 204

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**

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	[View Document]()
Any additional information	[View Document]()

3.4.2 Number of   functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the last five years
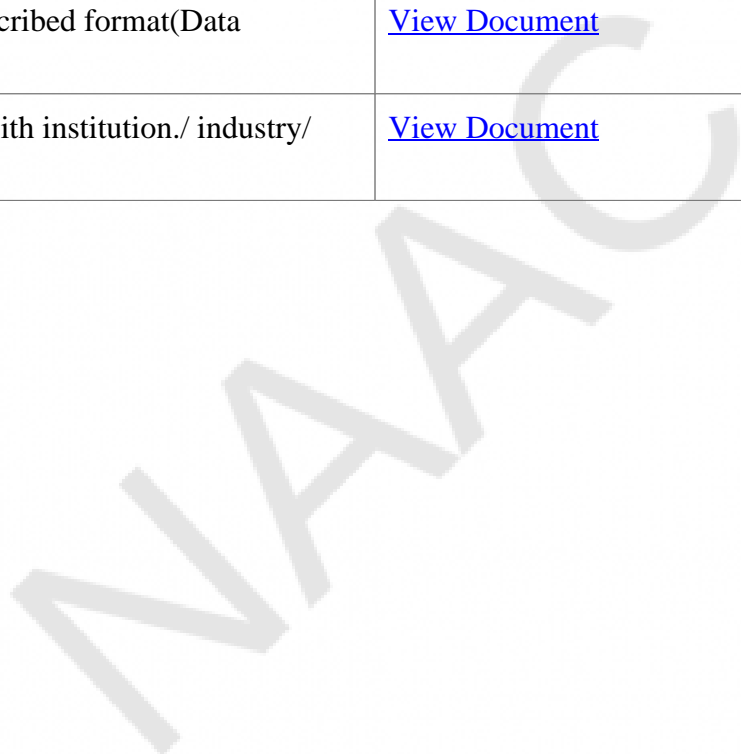
Response: 10

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

2018-19	2017-18	2016-17	2015-16	2014-15
5	2	2	1	0

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format(Data template)	View Document
e-Copies of the MoUs with institution./ industry/ corporate houses	View Document

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:

The college has obligatory infrastructure as per the norms laid down by AICTE New Delhi, DTE, and SPPU and upgraded as per the growth expansion. In addition to the physical infrastructure which caters to co-curricular and extracurricular activities, the policy is to provide educational infrastructure for students in terms of library resources, software, and equipment in the laboratories prescribed in the curriculum. The college is spread over an area of 21.68 acres.

The college has well equipped 15 classrooms, 4 tutorial rooms, 37 laboratories, 1 seminar hall, and a workshop. All laboratories are equipped with necessary equipment and tools as per AICTE Norms. Classrooms and seminar hall have LCD projector, Internet connectivity, ventilation, and luminance. Various charts are displayed in laboratories for a better understanding of practical concepts. Extra classrooms are utilized for conducting aptitude tests, interviews, and group discussions. Girls' common room, the sick room is available in the college. The college has a computing facility with 40 Mbps internet speed in a campus with 322 computers with UPS back up and a centralized server room. College provides ramps, wheelchairs and specially designed toilets to differently-abled (Divyangjan) students. The campus is under CCTV surveillance for the security of students and staff members.

Water RO treatment units with coolers having a capacity of 150 liters per hour are available for the students and staff. All the chemical and physical properties of drinking water are to be tested by an external agency once a year. A diesel generator of 25 KVA is available on the college campus for electricity backup. Solar power generation of 20 KW is installed in the college. Fire extinguishers are installed in college at all the floors for protection against fire incidence. A fire audit of the college has been done and the necessary equipments are installed. Girl's and Boy's hostel is available in the Ahmednagar city with all the basic amenities and security for the students. Bus facility is provided for the students to reach the college from corners of the city.

The workshop is equipped with all the machines such as lathe machine, milling machine, welding machines, and carpentry tools which are required for manufacturing and fabrication work. The workshop is utilized by the students for their project work; recently mechanical engineering students have fabricated a solar car, onion harvesting machine which has received an appreciation and prizes on various state level and national level competitions. The college is using Smart School Management ERP software for better academic planning and monitoring. The institution has a reading hall having 180 seating capacity with a required number of text and reference books, national and international journals, magazines and newspapers. E-library is having access to e-resources for the students and staff.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response:

Institution always encourages and supports co-curricular and extracurricular activities. The institution has a well-equipped gymnasium for effective and better coordination of various sports and cultural activities which is headed by the physical director, cultural co-ordinator and supported by the student sports and cultural committees. The college always encourages the students to participate in various competitions at the national, state and university levels. The college carries a physical health check-up program every year to monitor the physical development in the students. The college has a basketball court, and a playground for various outdoor games such as cricket, football, kho-kho, volleyball, badminton.

The sports department has indoor game facilities such as table tennis, chess, and carom. A well-equipped gymnasium having equipment such as a treadmill, muscle-building equipment are being utilized by the students. The college has a spacious Yoga and Meditation center which is used to conduct meditation and yoga activities for the students and staff so that students can learn the stress management and concentrate during studies. Apart from these, the college has an open-air theatre, cultural room for cultural events. Students are participating in various cultural events such as the celebration of Shivjayanti, Sanstha Shatabdi Mahotsav, events organized by Young Inspirator's Network. The students who participate in various sports and cultural events are acknowledged by the institution by providing traveling allowance, sports kit and felicitating them at college level functions.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response: 100

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

Response: 16

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format(Data template)	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response: 28.12

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

2018-19	2017-18	2016-17	2015-16	2014-15
23.93	1.10	8.56	34.73	92.27

File Description	Document
Upload audited utilization statements	[View 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:

Integrated Library Management System is used to manage different functions of the library. The institutional central library is using 'E-Vidya: Library Management Software System' for the automation of library services. Software is used to search a particular book in the library which shows entries of books as well as the number of copies available in the library. Library collection can be browsed/searched on the OPAC module. One separate node is made available in the central library for OPAC facility users can search the library collection, search by giving Title, Author, Publisher, Classification number, ISBN number, Keyword. All the books are bar-coded and the bar-code laser scanner is used at the circulation counter for the transaction of books. This software has modules like Acquisition, Cataloguing, Circulation, and Serial Control. The acquisition module is utilized for generating accession register reports. Circulation module has books issue/ return, and reserve option. Various reports such as loan borrower day-wise issued/returned books, late return books, dues; transactions can be generated in this module. Similarly, barcodes are also generated through this module making library work simpler, effective and time-saving.

The library is well equipped, spacious with a carpet area of 429.96 sq-m. The reading room is well furnished to accommodate students at a time and provides a conducive environment for study, having a capacity of 180 students. The central library is consisting of a good collection of engineering books it has about 3804 titles, 12782 volumes, including IS Codes, communication skill books, competitive books, non-curricular books, audio lectures, CDs, e-books, e-journals, national, international journals, and periodicals. New arrivals of books and journals are displayed on separate stands and racks. The institute always strives to provide the latest and best collection of books, journals and online sources to the students. The library has a reading section, reference, section, issue- return section, newspaper section, and e-library section. All teachers, students, suggest their requirement for the purchase of books, journals, and other required materials from time to time. Under Interlibrary loan, the needy books are borrowing from the Jaykar Library Pune and libraries of Ahmednagar city. CCTV cameras are installed in the library for surveillance.

A well-equipped Digital Library with 10 nodes having internet connectivity is housed in the central library for access to e-resources. As the access facility to e-journals is multi-user and IP address based, students can access the e-resources from anywhere on the campus. The digital library collection, rare books, open-source books, previous year question papers, syllabus, college news are made available for students and faculty through open-source software Calibre.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for Additional Information	[View Document](#)

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
Upload any additional information	[View 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: 5.1

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)**

2018-19	2017-18	2016-17	2015-16	2014-15
5.98231	1.91200	5.19652	6.37793	6.03249

File Description	Document
Institutional data in prescribed format(Data template)	View Document
Any additional information	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 last completed academic year

Response: 10.83

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

Response: 65

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

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The college has a well established IT infrastructure to satisfy the requirements of students and staff for better teaching and learning process. Various softwares are available at the institution level as per the current market situation to make the students employable such as MATLAB, Java, Dot NET visual studio 14, Android Studio3.2, C Language, C++ Language, Autodesk Suite, and are continuously updated. The institution has a Smart School ERP system for academic and administrative support. App-based attendance system for student and Short Message Service alerts to parents about student attendance, progress, college important activity. Institution relates to various social media platforms such as Facebook, YouTube. College is connected to society with its official website www.scoea.org.

The college has a separate centralized maintenance system in order to support the IT infrastructure, campus facilities, and equipments. For student security and student monitoring purpose, each department is well covered with the installation of a CCTV system. The departmental computer laboratory is well connected with Local Area Network (LAN) with a 100Mbps transfer rate for data. All departmental computer

laboratories are provided with computing systems having specifications of Core i3 processor, 2 GB RAM. The computer department has a laboratory with core i5, core i7 with 4GB RAM, 1TB HDD machines. The computer department uses open-source platform software such as Ubuntu operating system, Open CL, software for graphics programming. The institution has windows license copies. Civil and Mechanical department uses Autodesk suite for Computer-Aided Machine Drawing, CAD/CAM Automation, and Building Drawing.

The institution has a LAN connected photocopier machine for use. All computer laboratories are well covered with CCTV systems. CCTV system is centralized. The institution has two server rooms with an air cooling system and a dedicated server for SPPU online examination. Digital boards are available in the departments displaying the name of the department. The centralized computer center is well equipped with 57 computers with high-speed internet connectivity available for research, innovation and development activity. All computers available in the institution are of Dell make. Hardware such as switches, routers, LAN cables are of DLink make. The institution has a centralized Wi-Fi device having a circular range of 100m and 100 concurrent users. Internet bandwidth of 40 Mbps is available with leased line connectivity. Every department has a laptop with an Intel processor, 4GB RAM, 500GB HDD configuration. The campus is well covered with a Wi-Fi facility. Each departmental classroom has an LCD Projector and Screen. LCD projector can relate to Wi-Fi for having access to internet connectivity. Classrooms are well equipped with ICT facilities. Each department has a Jio Wi-Fi device for additional internet connectivity requirements with two laserjet printers and one scanner. NPTEL videos are accessed by the department and available for all students and staff with the shared link.

The institution has a P. A. system, web camera, video camera to conduct video conferencing, Webinars for student development. The institution has a biometric attendance system for staff.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response: 3:1

File Description	Document
Student – computer ratio	[View Document](#)

4.3.3 Bandwidth of internet connection in the Institution

Response: C. 10 MBPS – 30 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	[View Document](#)

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: 45.62

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)**

2018-19	2017-18	2016-17	2015-16	2014-15
35.44	40.42	36.18	104.72	34.31

File Description	Document
Institutional data in prescribed format(Data template)	[View Document]
Audited statements of accounts	[View Document]

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

Response:

The institution has its standard policies to maintain the physical, academic and support facilities on the campus.

a. Laboratory: Maintenance logbook is maintained by the respective laboratory in-charge and monitored by HoD. Calibrations, preventive and breakdown maintenance of the laboratory equipment are done by skilled technicians.

b. Library: The requisition of books is taken from the departments through HoD and the finalized list of required books is approved by the Principal. The suggestion box is kept inside the library for user's feedback and suggestions. Register of students and staff is maintained regularly.

c. Gymnasium and Sports Ground: Maintenance of indoor and outdoor games accessories and outdoor sports ground is carried by the Physical Director. Students can use the gymnasium equipment after college hours.

d. Computer facilities: Departments raise the complaint to the maintenance committee about hardware and software problems and these are maintained regularly by the maintenance committee. Computer facilities available in the institution are also used for various online examinations such as Mahapariksha, Local Body examinations and other government recruitment examinations.

Various college-level committees are formed to look after the utilization and maintenance of the campus infrastructure. Following are the role and responsibilities of the committees-

- General civil maintenance and repair works are carried out by Maintainance Committee and institute's civil engineer.
- Maintenance /calibration /repairing of laboratory equipments are done by the respective laboratory in charge in coordination with HoD.
- The procurement of new instruments, consumables and non-consumable material is carried by the college level store department in coordination with the institute's central store.
- For maintenance of the physical facilities annual budget is allocated.
- The regular cleanliness, maintenance of the classrooms, laboratories, library, and the college campus is taken care by non-teaching staff.
- The security of the college is assigned to the external security agency.
- The specialized computer-related maintenance such as hardware is done by external agencies if required.
- Electrical maintenance in the college is taken care of by the maintenance committee.
- The cleaning of water coolers and air conditioners in the college is carried out from time to time.
- Sports equipments are handled and maintained by the Physical Director of the college.

Minor maintenance of furniture items and metal fixtures is carried out by the workshop department and the minor electrical maintenance is looked after by the electrical maintenance coordinator and his team.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

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

Response: 76.34

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

2018-19	2017-18	2016-17	2015-16	2014-15
601	528	567	596	468

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	[View 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: 2.26

5.1.2.1 **Total number of students benefited by scholarships, freeships, etc provided by the institution / non- government agencies year-wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Upload any additional information	[View 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]
Any additional information	[View Document]
Link to Institutional website	[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: 71.27

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**

2018-19	2017-18	2016-17	2015-16	2014-15
23	114	215	0	0

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

File Description	Document
Upload any additional information	[View Document](#)
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	[View Document](#)
Details of student grievances including sexual harassment and ragging cases	[View Document](#)

5.2 Student Progression

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

Response: 10.1

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

2018-19	2017-18	2016-17	2015-16	2014-15
15	9	14	16	16

File Description	Document
Upload any additional information	[View Document](#)
Self attested list of students placed	[View 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: 7.55

5.2.2.1 **Number of outgoing student progressing to higher education.**

Response: 16

File Description	Document
Upload supporting data for student/alumni	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[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: 100

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**

2018-19	2017-18	2016-17	2015-16	2014-15
0	1	0	0	0

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**

2018-19	2017-18	2016-17	2015-16	2014-15
1	3	4	3	2

File Description	Document
Upload supporting data for the same	[View 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: 63

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.**

2018-19	2017-18	2016-17	2015-16	2014-15
02	07	01	03	01

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters and certificates	View Document
Any additional information	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:

The aim of the Students Council is to include understudies effectively takes an interest in different, co-curricular and extracurricular exercises and occasions, for example, sports, social, and furthermore scholastic exercises to upgrade their aptitudes. We have an active student's council, department wise students forum such as ACES (Association of Computer Engineering Students), EESA (Electronics and telecommunication Engineers Students Association), MESA (Mechanical Engineers Students Association), CESA (Civil Engineering Students Association) are present. These organizations work for students by the students for getting and make available platforms for students to show their leadership, talent in academic and extracurricular activities.

Active student council cell is formed by selecting the students who are willing to work as representatives of various committees, student members. These students take initiative to arrange various technical and non-technical programs, also these students motivate other students to participate in competitions, seminars workshops at the institute level as well as in other colleges.

Student council is also formed in which different Posts are held by students such as the cultural events in charge, sports in-charge, ladies representative, gathering secretary. At the start of determination process, Council coordinator gathers applications from understudies they wish to work for post, and afterward, the choice procedure is finished by taking Interviews of understudies by the head of department and Principal.

Our college students also have participates in Sakal's YIN (Young Inspirators Network) council. The participation of student council in organizing activities such as Sports, Cultural and technical events, NSS, Young Inspirators Network.

Cultural Events: This committee works throughout the year and organizes different activities and events related to culture. "Indradhanu" is yearly Social gathering program that features social ability of Students each year. Also every year the cultural festival like Shivjayanti, Ganapati festival, Kite Festival is celebrated with active participation of students.

Sport Events: This Committee organizes various sports events such as Cricket, volleyball, Chess, Kabaddi, Kho-Kho, Carom, Badminton under active student's participation of student council. Our Students effectively take an interest in different games in intercollegiate, interuniversity, state, national and international level participation.

"NSS Committee" is active in carrying out different activities such as Swachcha Bharat Abhiyan, Yoga

day, and Tree plantation.

Ant-Ragging: This council guarantees zero ragging occurrences in the Institute and furthermore spreads mindfulness among understudies against ragging exercises.

The members learn planning, organization, analysis, estimation, and execution along with troubleshooting, which helps in their comprehensive development in academic as well as personal.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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: 52.6

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

2018-19	2017-18	2016-17	2015-16	2014-15
26	31	21	13	12

File Description	Document
Upload any additional information	View Document
Report of the event	View 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 institution has an alumni association as 'SCSMCOE AHMEDNAGAR ALUMNI ASSOCIATION' working effectively since July 2015. Alumni-Meet is conducted as per the decision taken by the association. Around two hundred alumni visited college per meet. The institution interacts frequently and collaborates with alumni. Alumni visit the institution during the alumni meets. During the meets feedback

of alumni is taken for an overall improvement of students and the institution. The feedback with respect to their job environment is very unique since they are directly involved in the industry or any other working area of them, hence inputs from them are very valuable while forming POs, COs, PSOs. Many alumni contribute to the institution in terms of book donation, guest lecture, arranging industrial visits to the students, career guidance lectures, and the placement of the final year students.

Social sites like Facebook, WhatsApp, and ERP system of college are few of the tools used for networking with alumni other than direct communication. Alumni are a part of social extension activities at the institution and they can access day to day activities of the Institution through the website. Alumni are a part of defining Program Outcomes (POs) and Program Specific Objectives (PSOs) at the Institution. A separate alumni portal is designed for better interaction between the college and alumni at (scsmcoe.smartschoolmis.com). The alumni of the institution are guiding and nurturing our students to become engineering professionals. It is our plan to develop everlasting relations with our alumni which in turn will give rise to mutual benefits.

Some of the suggestions given by alumni during meets and successfully implemented by the college are tree plantation, eco-friendly Ganeshutsav and Shivjayanti, improvement in internet speed in the college.

The main objectives of the association are

- To promote and foster mutually beneficial interaction between alumni and the institution.
- To encourage the alumni to take an abiding interest in the process and development of the institution.
- To arrange and support in placement activities for the students of the institution.
- To mentor the students of the institution for higher education, development of character and being good citizens.
- To encourage and guide the students of the institution on self-employment to become entrepreneurs.
- To guide students of the institution on various professional avenues available and support them through various activities such as expert advice, seminars, visit.
- Promote the industry-institution interaction to bridge the gap between industry requirements and education offered and enhance students' employability.
- To encourage and support students of the institution in sports, cultural and extra-curricular activities.
- To promote computer and internet literacy among society.
- To help towards environmental conservation, anti-pollution activities against air, water and sound pollution, by a slide show, street play, handbills and all possible ways of social awareness.
- To help and guide students and ex-students of the Institution for anti-drug, anti-ragging, and any other anti-social activities.
- To publish papers in different journals, books, periodicals for the public interest.
- To arrange blood donation and health awareness camps.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response: E. <1 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:

The Vision Statement is "*Tejo Si Tejo Me Dehi*"

This means, Oh God! You are the source of luster, grant me luster.

Mission:

- To impart quality education through effective teaching-learning methodologies.
- To inculcate positive attitude and moral values amongst future technocrats.
- To promote excellence by encouraging creativity, critical thinking, and discipline.
- To inculcate sensitivity towards society and respect for the environment.

Nature of governance:

The governing body of the institution has framed the guidelines and directions for the programs, policies, and processes. College Development Committee (CDC) formerly known as the Local Managing Committee (LMC) looks after the decision-making at the institution level. For effective implementation of plans/activities, various committees are formed and responsibilities are decentralized. Faculty members are involved actively in decision making at different levels. Academic responsibilities are fairly divided among all the faculty members. The management, principal, and faculty focus on institutional objectives.

The institution has a formally developed quality policy that is based on vision, mission, and inputs from various stakeholders. Continuous quality improvement is aimed at teaching-learning, research, and development, community engagement, industry interaction. The institution has a mechanism for regularly obtaining and analyzing student feedback on its performance. The institution maintains the culture of retention of faculty for realizing its vision. The institution is having a good representation of women at all levels of the organization.

In order to alleviate the rigors of a demanding college curriculum, the students are encouraged to participate in co-curricular activities such as seminars, quiz, debates, inter-college competitions, workshop, annual college sports, and cultural programs. Along with the present commitments, the college aims to continue its interaction with students even after they have formally left the institution through the alumni association. The alumni association envisions to inculcate the spirit of inquiry, creativity, environment consciousness, entrepreneurial, moral leadership, and as well as a sense of social responsibility among its

students. Seminars are also organized by the college for the enhancement of the skills and efficiency of its staff members.

Students are encouraged to pursue the activities related to industry level exposure through:-

- Maintaining social and better relationships among students and staff.
- Scholarship for various categories of students and merit students, academic excellence, cultural, and sports excellence.
- Institute offers a scholarship for brighter economically weaker students through the 'Let Us Learn' scholarship scheme.
- Efforts are taken to minimize failures and dropouts.
- Students are actively taking initiative to participate in Hackathon, Avishkar competition, solar vehicle competition, every year through which students are getting research orientation. Students are participating in various university/state/national and international level sports events.
- Add-on/ Certificate courses are implemented by departments of the college to equip the students for multiple career opportunities.
- Well equipped Laboratory facilities, dedicated internet-enabled computer center, and library with various books, magazines, and journals, e-journals, e-Books, NPTEL, DELNET resources are provided to staff and students.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response:

Participative management

Institution practices decentralization and participative management by assigning different rights and responsibilities to staff members through various designations and committees at institution and departmental levels.

Participation of the teachers in the decision making bodies

Principal, HoDs, teachers play a key role through different committees in monitoring and evaluation of policies and plans of the institution for effective implementation and improvement in tune with the vision and mission of the institution. Decentralized working and allocation of various responsibilities encourage involvement of staff in improving effectiveness and efficiency of institutional processes.

The Governing Body (GB) and College Development Committee (CDC) give general guidelines for appropriate governance to realize the vision. To achieve the vision, mission, and objectives of the institution and to build organizational culture, the management provides effective academic leadership by setting goals through a participative decision-making process.

The Institution delegates authority and provides operational autonomy in all areas of academic performance, decision making and implementation of plans and policies in curricular programs. The Principal provides freedom to departments, librarian, and administrative office, various curricular committees, departmental students' associations, hostel, and student council. The Principal permits the HoDs and staff members in performing freely in the academic activities and administrative programs such as departmental activities, allotment of workload, various academic committee programs, association and club activities, conducting departmental test, teaching-learning process, and evaluation regularly. The college provides autonomy to organize competition, guest lectures, seminars, conferences, workshops, and faculty development programs by inviting external experts and resource persons. It also gives autonomy in organizing and participating in intercollegiate competitions and to plan budget for activities of associations.

One case study showing practice of decentralization and participative management in the institution may be found in the purchase committee of the institution.

Purchase of Equipment:

Faculty members are notified about submitting the laboratory requirements as per revised /changed syllabus or as per need. Accordingly, laboratory in-charge is advised to put up the requirement with the desired specifications. Consolidation of the total requirement of the department is prepared by HoDs. Requirement for the same is forwarded to the purchase committee. The purchase committee receives the requirement of all the departments. In the purchase committee meeting, principal discusses the equipment requirements and puts forward in CDC / GB/ management for approval. The purchase committee seeks approval of budget from CDC / GB and it is informed to all the HoDs. The purchase committee sends it to the store/purchase officer for further correspondence. Store/ purchase officer calls the quotations from the various vendors and prepares the comparative statement (minimum three vendors). The purchase committee calls meeting in presence of management representatives, HoDs and vendors/suppliers for discussion. Observing the rates and desired specifications in consultation with HoD, vendor/suppliers are finalized. Purchase order is placed for the procurement of the equipment. Vendor/supplier delivers the requirement and then to respective department through institutional store as per terms and conditions.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

Goal:

To create self-disciplined physically fit, mentally robust, and morally strong engineers and technocrats with a sense of purpose and integrity, who are capable of meeting challenges of the ever-advancing technology and globalization for the benefit of mankind and nature.

Strategic plan for Add-on / Certificate courses:

Conduction of add-on / Certificate courses is one of the strategic plans of the institution to enhance the skill sets and make students employable. The institution implements the syllabus framed by the affiliating university. To augment the syllabus and to introduce new technologies, students need to acquire information and training as per industrial requirements. To bridge the gap in the syllabus, the add-on/certificate course is designed by the committee comprising of HoD, senior faculty, and industry experts. This activity is part of the institutional strategic plan. These courses are conducted by in-house faculty and partnering organizations as the need may be. These courses have helped the students to update their knowledge compatible with the needs of the industry.

Example of activity successfully implemented based on the strategic plan:

As one of the strategic plans of the institution, add-on/certificate courses were conducted by various departments on current technologies. The experts from industries and in-house faculty members are the resource persons to conduct the courses. The following table shows a few of the courses conducted as per the strategic plan.

Year	2018-19	2017-18	2016-17	2015-16	2014-15
Add-on / Certificate Courses	8	3	1	1	0

File Description	Document
Upload any additional information	View Document
Strategic Plan and deployment documents on the website	View Document
Paste link for additional information	View Document

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

Response:

The institution has a well-framed internal organizational structure for decision-making processes and their effectiveness. The governing body is the highest decision-making body constituting members of the management, principal and nominated members. College Development Committee (formerly Local Management Committee) includes representatives from members of management, principal, and IQAC coordinator as an executive member, three members elected from faculty, and one member of non-teaching staff. The academics and administration of the institution is managed by following bodies-

- **Governing Body**: It is the apex body of the institution. It meets to confirm, deliberate and guide on various aspects viz. academic, budgetary, regulatory, the addition of new courses and deletions if any. The members of the governing body are highly educated persons, drawn from various fields with rich experience and disciplines like social leaders, industry, education, and academic administrators.
- **College Development Committee**: The institution has a College Development Committee constituted and act according to the Maharashtra Public Universities Act, 2016. It has a representation of the management, faculty, and non-teaching staff.
- **The principal** reinforces the values and code of conduct by demonstrating the required behavior through his personal actions. The performance of the teaching and non-teaching staff is reviewed through a feedback system and to understand their skills through appropriate analysis.
- **Internal Quality Assurance Cell (IQAC):** IQAC plays a vital role by suggesting reforms in various academic and administrative areas. The regular meeting is conducted with the HODs and faculties to discuss various aspects.
- **Registrar** of institution acts as head of administrative sections.
- **Head of Department**: Contributes to the growth of the institution by organizing teaching, research, and training program at the institution. HoD assists the Principal in the effective functioning of departmental activities.
- **Training and Placement Officer**: To initiate and coordinate the industrial interactions related to training and placement activities.

Various statutory committees such as the internal complaint committee, Anti-raging committee, and Squad, SC/ST cell, and Student development committee have been formed. All these committees are formed with appropriate participation as per norms. Some functional committees such as examination, library, academic monitoring have been formed to facilitate smooth functioning of the related activities at the central level.

Various academic and administrative support sections such as admission section, accounts, research committee, library, workshop superintendent, physical director, IQAC, YIN, rotaract club, national social services (NSS), entrepreneur development cell, alumni association, student council have been formed to support, monitor and facilitate the academics, administrative and student development activities. These committees and cells have appropriate participation in teaching staff, non-teaching staff, and students. This makes the administration more participative and transparent. Thus, the organizational structure clearly reflects the policy of decentralization of authority.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)
Link to Organogram of the Institution webpage	[View Document](#)

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
Screen shots of user interfaces	[View Document](#)
Institutional data in prescribed format(Data template)	[View Document](#)
ERP (Enterprise Resource Planning) Document	[View Document](#)
Any additional information	[View Document](#)

6.3 Faculty Empowerment Strategies

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

Response:

Various welfare schemes are provided for the benefit of teaching and non-teaching staff in the institution which are as listed below

- Vacation leave, medical leave to eligible faculties.
- Study leave to faculty to conduct research, to attend FDP, conferences.
- Maternity leaves up to 6 months after completing probation of 2 years.
- Partly financial support to faculty members to conduct research, publish papers at various conferences.
- Financial assistance to attend FDP, Conferences, Workshops, Seminars in the field of specialization.
- Festival/ Medical advances are given to all employees who desire to avail. The amount is given as an advance is thereafter deducted from monthly salaries.
- Free transport for non-teaching staff and at a subsidized rate for teaching staff.
- Guesthouse facility for faculties and staff on the campus on request.
- Documents to avail loans for needy staff members.

- Distribution of the revenue generated through consultancy activities such as testing, online examinations to faculty, and staff.
- Institution has the Yoga center under which Yoga, meditation, and stress management sessions are organized
- The institution has installed an RO unit for potable drinking water on the college premises.
- Hygenic canteen facility.
- Compensative Off has given to faculty if worked on the holiday.
- Pantry for faculty members.
- Gymnasium and sports facilities after college hours.
- Doctor on call: The doctor on call facility is available for all staff and students.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response: 104.27

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**

2018-19	2017-18	2016-17	2015-16	2014-15
58	57	36	24	23

File Description	Document
Upload any additional information	[View 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: 3

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**

2018-19	2017-18	2016-17	2015-16	2014-15
4	4	3	2	2

File Description	Document
Upload any additional information	[View 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: 6.04

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**

2018-19	2017-18	2016-17	2015-16	2014-15
5	3	3	4	2

File Description	Document
Upload any additional information	[View Document]
IQAC report summary	[View Document]
Institutional data in prescribed format(Data template)	[View Document]

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

Response:

Performance appraisal system for faculty:

Quality education is crucial for improving understudy results and accomplishments. The organization has a well-planned execution evaluation framework. It is executed with the assistance of the Performance Appraisal Report (PAR) (standard) which assesses in general execution. Execution is self-evaluated and appropriately filled in PAR.

Standards are then assessed by individual HoD/section head and the Principal. The standard framework

motivates faculty to lift one's proficiency and development. In this manner, it is made required for each faculty and staff to present the presentation evaluation each semester.

Each faculty member is required to submit a PAR annually on the basis of parameters such as

1. Teaching hours
2. Number of subjects taught
3. Research papers/articles/books published
4. Research and development work
5. Official Conduct
6. Conferences attended
7. Papers presented in the conferences
8. New curricula designed/developed
9. Participation in extra-curricular/co-curricular activities
10. Extra responsibilities assigned by the university
11. Workshops, seminars, faculty development programs attended
12. Other relevant information (consists of significant contribution, awards received, and additional activities not included in the above points)

Performance appraisal system for staff:

The performance appraisal system for staff is checked on the parameters such as the ability to get the work completed in time by the subordinates and relations with associates. The trustworthiness is too observed. The framework is straight forward and the evaluation with remarks of the head of the department is then examined in detail by the Principal. After the assessment, each concerned staff is either acknowledged or coordinated for further enhancements. The examination framework is additionally for the attendants.

The parameters for the appraisal are

- Team member and readiness to execute a task.
- Behavior and self-motivation to assist and help others.
- Punctual and hard worker.
- Work ethics.
- Interpersonal skills.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The external audit is performed by an independent Chartered Accountant appointed by an institute that initially reviews the reports and observations made by the accountant of the Institute. Taking into cognizance these observations, an exhaustive list of requirements is given for compliance and submissions to the statutory auditor for completing the auditing of the financial statements of the institute and providing a realistic statement through his audit report that the books of accounts reflect a true and fair view of the operational activities and the financial position of the Institute for the relevant financial year. The institute has an external audit on a regular basis. The external audit carried out once a year. The latest audit report for the year 2018-19 has been carried out by Mr. Ashok S. Gurjar and S. V. Gurjar Company, Chartered Accountants, Ahmednagar.

External Audits:

Description:

The institution has an external audit mechanism annually by Mr. Ashok S. Gurjar and S. V. Gurjar Company, Chartered Accountants, Ahmednagar. The external audit is done once a year by external auditors. The method of accounting followed is of mixed hybrid. The institution maintains bills and records regarding the collection of the fee from students and accounts are maintained which is audited by a chartered accountant. The principal, general office, and other college staff help chartered accountant's company for audit. They submit yearly audit reports and necessary compliances are done accordingly. External Audit / Statutory Audit is also done by Mr. Ashok S. Gurjar and company, Chartered Accountants, Ahmednagar, every year. They submit audit reports and audited financial statements to the institution authorities.

An internal approval system for all expenses is in place. Accordingly, bill/voucher is recommended by the Staff/Head of the department and approved by the principal and Hon. Secretary of Ahmednagar Jilha Maratha Vidya Prasarak Samaj society. All the bills/vouchers are audited by an internal auditor/account department on a routine basis. A proper record of all the expenses is maintained by the accounts department.

The major source of receipts is tuition fees and development fees from the students. Deficit if any is taken care of by the Ahmednagar Jilha Maratha Vidya Prasarak Samaj Society through corpus fund. Audited income and expenditure statement of academic and administrative activities of the previous four years are available.

No major objections are found in the audit by the statutory auditors whereas minor audit suggestions are compiled as per the procedure.

File Description	Document
Upload any additional information	[View Document]()
Paste link for additional information	[View Document]()

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

Response: 1

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

2018-19	2017-18	2016-17	2015-16	2014-15
1	0	0	0	0

File Description	Document
Institutional data in prescribed format(Data template)	[View Document]()
Any additional information	[View Document]()
Annual statements of accounts	[View Document]()

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

Response:

The institution has a well-formulated financial policy which ensures effective and optimal utilization of finances for academic, administrative and development purpose which help ultimately in realizing the institution's vision and mission.

The institution has made the necessary provision in the books of account towards efficient use of the available fund for each academic year. As per the guidelines of the management and the principal, variance report of sanctioned budget and actual expenditure are regularly maintained.

The institution is the self-financed type and hence major sources of income are student fees and other fees. Other major source includes donation received from Ahmednagar Jilha Maratha Vidya Prasarak Samaj's society and university grants. The income thus generated and expenditures are certified by the Chartered Accountant regularly.

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

Student Welfare Scheme. The Institute has a well-defined procedure to monitor the effective and efficient utilization of available financial resources.

Process of Budget Allocation and Mobilization:

- Before the commencement of the semester, HoD with the help of faculties gathers the requirement of new equipment if any, and maintenance details of existing equipment.
- All the HoDs prepare the annual budget reports required for their respective department and submit the same to the Principal Office.
- After submitting the Departmental annual budget to the Principal Office, the proposal is to be sent to the College Development Committee through the Principal Office.
- The College Development Committee conducts a meeting headed by the Honorable Chairman, secretary, and principal, and the annual budget is sanctioned and is allocated to respective departments.
- After getting approval from the College Development Committee the detailed annual budget copy is sent to the Heads of the Departments.
- The major resources of finance are in the form of fees collected from students i.e. tuition fees, development fees and other fees which are as per regulation authority.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.5 Internal Quality Assurance System

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

Response:

The Institution has active IQAC which ensures the provision and continuous improvement in the teaching-learning process to maintain overall quality in the institution in accordance with vision and mission. This committee periodically takes reviews at various academic and administrative functioning and suggests measures to improve quality in the Institution.

IQAC has initiated and implemented two best practices.

Best Practices -1

1. Title of the Practice: Mentoring and Parental Care

2. Objectives of the Practice:

- Setting up a career development mentoring program for students to learn the skills.
- Creating a mentoring program for students to give one-on-one guidance.
- To provide a framework for positive interaction between Mentor-Mentee.

3. **The Context:**

The aim of mentoring is to promote positive change in an individual while building a healthy relationship. It also devised to encourage students from rural backgrounds and remote communities. They face challenges like lack of communication, confidence, and soft skills. It is a need to overcome these challenges and sharpen their skills.

 4. **The Practice:**

This practice is implemented for all students. HoD/Chief Mentor allocates a maximum of 20 Mentees to each Mentor. Mentor maintains a mentoring handbook for the academic year.

During mentoring sessions, activities such as Aptitude Test, Group Discussion, Presentation Skill, Star Approach, other soft skill activities are conducted. A mentee can approach about personal, academic, administrative work problems and mentor addresses problems efficiently and effectively.

5. **Evidence of success –**

- Improvement in curricular activities.
- Increases participation in extra-curricular activities.

6. **Problem Encountered and Resources required.**

- Mentees were introverted and not open up in the discussion.
- It was difficult to arrange many activities during the stipulated time. But the mentor handbook facilitates ease of scheduling the activities and maintaining the record.

Best Practices-2:

1. Title of the Practice: SCSMCOE Smart School ERP System.

2. Objectives of the Practice:

- To maintain, improve, and access information for planning and managing the institution.
- To facilitate services for students and staff.

3. The Context:

Several academic and adminstrative activities are running concurrently which is sometimes hard to maintain a record and it creates a number of files. It's a need to improve information access, so the ERP system is introduced through IQAC.

4. The Practice:

The system consists of the Academic and Administrative office module, student portal, and other important modules. Each faculty, students, alumni have a login ID and password to access respective modules.

Teaching staff fills the attendance, maintain student record, distribute learning material, conducts online exam, update syllabus coverage, and take online feedback. Students can access attendance, learning material, syllabus coverage; test results, view notices and also can submit grievances if any.

5. Evidence of success:

- Easy to access reports.
- Easy to monitor the activities.

6. Problem Encountered and Resources required:

- The orientation session was arranged initially and queries are addressed in sessions or individually.

7. Notes:

The mentor handbook and ERP system help in mentoring and tracking the mentee's academic record. Thus help in the all-round development of the mentee.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Taking into account the need of stakeholders, IQAC has decided to bring in reforms in the teaching-learning process. To cite the examples, the following are the cases:-

1. Use of digital teaching-learning resources:

As per the recommendation of IQAC, the institution has decided to switch over from the traditional teaching-learning process to the student-centric system. However, this switch over demands changes in many of the domains, one of which is the availability of corresponding teaching-learning material. The

major challenge to make this teaching-learning material available was staff training to develop the corresponding material. Also, the required infrastructure for developing such teaching-learning material is made available at the institution. This infrastructure includes hardware like high-end multimedia ready PCs, web cameras, etc.

The adaptation of these resources has exhibited improved interest of faculty members and students in updating the course content. Students are observed involving highly in the learning process and are demanding such course content more which reflects the success of this improving teaching-learning material adaptation.

2. **Academic Monitoring System**

The institution has a system of monitoring academic activities periodically. A number of lectures conducted by faculty members are monitored monthly and at the end of the semester. A number of a slow learner and Fast learner students are fortnightly monitored and makeup lectures are conducted for slow learner students. This resulted in a substantial reduction in the number of defaulter students.

- **Incremental Improvements**

The Institution has always encouraged and supported the co-curricular and extracurricular activities. The Institution has a well-equipped gymkhana department for effective and better coordination of various sports and cultural activities which is headed by the physical director, culture in charge and supported by the student sports and cultural committees. The Institution has done various infrastructural developments under IQAC such as basketball court and playground for various outdoor games. The gymnasium facilitates various indoor games such as table tennis, chess, and carom. The gymnasium is updated with the latest equipment such as treadmill, muscle-building equipment. Also, wall fencing is constructed around the Institution campus for safety purpose of students and staff

- **Learning outcomes:**

Course outcomes are defined for each course and are made available to students. The progress of the students is monitored by the course coordinator, Guardian Faculty Member and Head of Department through continuous assessment. The course outcomes are achieved by facilitating teaching, learning, and assessment appropriately based on the course need.

IQAC has prepared an academic administrative report, which is furnished by each Department and submitted to IQAC for each term.

Some of the initiatives of IQAC contributing to incremental improvements are:-

1. Infrastructural Development
2. Department Academic Committee
3. Continuing Education and Staff Development
4. Entrepreneurship Development
5. Enterprise Resource Planning
6. Industry-Institution Interaction

7. Research and Development
8. Students Development and Welfare

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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 intitiatives with other institution(s)**
3. **Participation in NIRF**
4. **any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Response: C. 2 of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload any additional information	View 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:

The institution has organized several events for the empowerment of girls such as Nirbhay Kanya Abhiyan, Self Defence workshop, personality development program, overseas educational opportunities, interview techniques, entrepreneurship awareness camp, and competitive examination preparation. All students are given equal opportunities to participate in various cultural and technical events like seminars, conferences and workshop wherein they grabbed prizes at state and national level competitions such as Hackathon, Jagatik Krushi Mahotsav (International Agriculture Fair). Students are also allowed to participate in various schemes arranged by SPPU such as the National Services Scheme and earn and learn scheme, where students perform their duty towards national development through social activities arranged during special camps of NSS. Industrial visits are arranged for all students as per the curriculum.

Students actively organize various events/festivals such as Republic Day, Independence Day, Ganesh festival, Chhatrapati Shivaji Maharaj Jayanti, Engineers' Day, International Women's Day and perform different activities such as Speech, Drama, Lezim, songs, dance and participate in competitions such as rangoli, mehndi, classroom decoration based on themes like Beti Bachao Beti Padhao, Save Girl Child to spread social awareness about gender equity.

- **Safety and Security:** The Institution ensures the security of all students, staff, and visitors by providing regular security checks at the entrance. An identity card is mandatory for all students and staff at all times on campus. The institution has installed CCTV cameras at strategic locations such as institution entrance, administration office, Principal's office, all corridors, computer laboratories, and classrooms. The institution has hired a security agency for campus security. Special security and transport facility is available for all students at the time of late night event such as Indradhanu Cultural Festival. All corridors and laboratories are equipped with fire extinguishers. Various committees are formed for the smooth working of the institution such as Anti-Ragging, Student Grievance, and Internal Complaint Committee.

- **Counseling:** Counseling is a very important aspect to solve student's personal and psychological problems. A mentor is allocated per 15-20 students as a part of the mentoring activity. Mentor regularly conduct counseling of mentee during college hours and address the problems related to academics, infrastructure, financial, personal and family issues. Specific issues related to mentee such as subject phobia, depression, psychological problems were identified by respective mentors during counseling hours and critical cases are forwarded to professional counselors. Professional counselors are appointed in the institution for addressing issues of students. If required, a selected group of students has been sent to the Department of Psychology of New Arts, Commerce and Science College, Ahmednagar. Counseling expert Mr. Prashant Puppal from Career Management Training and Research Centre, Pune visits college whenever required for the counseling session.

- **Common Room:** Girls and boys common room is available with respective essential facilities like first aid box, washbasin, washroom, mirror, seating arrangements, curtains for windows, dustbins,

lockers feminine napkin vending machine, incinerator.

File Description	Document
Specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document
Annual gender sensitization action plan	View Document

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

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document

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:

Our institution practices waste management including solid waste management, liquid waste management, E-waste management, and Waste Recycling.

Solid waste management:

Solid waste is collected on the campus and classified into degradable and non-degradable waste. Non-degradable waste is sent to Municipal Corporation for further processing. Degradable waste separated into

dry and wet waste. In the Institution mostly dry waste is generated, waste bins are provided in the corridor, laboratory, and classrooms. Wet waste mostly generates at the canteen, two separate waste bins are provided to collect dry and wet waste separately at the canteen. The institution has a facility to decompose degradable solid waste in vermicomposting pits. In the campus, vermicompost plant is efficiently working with a capacity to generate good quality of manure. This manure is used as fertilizer for gardening.

Liquid waste management:

Liquid waste is generated in the institution from washrooms, canteen, and laboratories. This wastewater consists of organic impurities, it gets treated in a septic tank with the help of anaerobic micro-organisms and up to certain extent impurities get removed. The treated water after the treatment process is used for trees on the campus.

E-waste management:

E-waste electrical or electronic components or devices discarded after the end of useful life. The rapid expansion of technology and addiction of society to it results in the creation of e-waste. An electronic component like CPU contains lead, cadmium, beryllium which is harmful to living beings. As the institution is incepted in 2011, less e-waste is generated. An external agency helps in recycling of e-waste like keyboard, mouse, toner drum, compact discs, LAN cable, CPU batteries, and dry batteries.

Waste recycling system:

An external agency takes care of the recycling of old newspapers, journals, files, notebooks, books, institute level answer sheets, forms, magazines, and metal scrap from the workshop. The solid waste generated in civil consultancy is used in the construction of open theatre near the Library, filler for ongoing construction work and beautification of garden and trees.

File Description	Document
Geotagged photographs of the facilities	[View Document](#)
Any other relevant information	[View Document](#)

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

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document

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: Any 4 or All of the above

File Description	Document
Geotagged photos / videos of the facilities	View Document
Any other relevant documents	View Document

7.1.6 Quality audits on environment and energy 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: E. None of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	View Document
Certification by the auditing agency	View Document
Any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

1. **Built environment with ramps/lifts for easy access to classrooms.**
2. **Disabled-friendly washrooms**
3. **Signage including tactile path, lights, display boards and signposts**
4. **Assistive technology and facilities for persons with disabilities (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: B. 3 of the above

File Description	Document
Policy documents and information brochures on the support to be provided	[View Document](#)
Geotagged photographs / videos of the facilities	[View Document](#)
Any other relevant information	[View Document](#)

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 institution caters to students from all sections of society. All students and faculties are involved in the celebration of national day viz. Republic Day and Independence Day with enthusiasm. With the same zeal, the institution ensures proper dignity to all cultural, socioeconomic, ethical, linguistic communities by celebrating different commemorative days and festivals. Students from some special communities seek permission for prayers.

The Institution follows norms set by the university and the Government while recruiting employees. The admission of students through CAP processes which follows the seat distribution norms set by DTE. While organizing expert lectures/seminars of eminent personalities the institution ensures values of inclusiveness and harmony are being maintained. The institution ensures equal opportunities to every individual either staff/students for growth and prosperity. As a part of socio-economic responsibility, the Institution facilitates institute level scholarship for brighter and economically weaker students. To promote and encourage technical development of faculties institution provides study leaves. Financial support is provided to faculties and students for attending seminars/workshops/conferences.

The institution takes initiative /efforts to help socially by conducting various programs. The students of 12th Science are from a rural background and are unaware of the career prospectus, online system of MHT-CET/JEE examination and Centralized Admission Process (CAP) which leads to lagging in the technical world. To cater to the need of rural youth institution permits educational visits from junior colleges in and around Ahmednagar city and district. In these visits, faculties deliver talk on career opportunities, guidance to CAP of Engineering, Pharmacy and Agriculture admissions. A campus tour is organized to the departmental laboratories, workshops, and library where faculties acquaintance them to engineering technologies. Special Guidance session for MHT-CET was arranged for 12th science students to nearby villages by faculty members.

The institution arranges Mock Chhatrapati CET as a preparation tool for MHT-CET for the 12th science student. The institution organizes video conferencing interaction for CAP admission, 'Praveshacha Gateway' in association with DTE Maharashtra. During this session, a presentation and demonstration of the stepwise CAP admission process is explained and DTE addresses live queries of admission seeking

aspirants.

The institution organizes a program on 'Introduction of Basic Computer Knowledge' to children of nomadic people at the residential hostel 'Utkarsha Balghar'. Institution celebrates 'Dr. A.P.J Abdul Kalam District level Science exhibition' and 'National Science Day' to encourage the students to take an interest in science and develop creative ideas. On the occasion of National Science Day, the institution organizes quiz on Astronomy and arranges the Spectrographs to see the stars and planets.

Students have collected the cloths, biscuits, hair oil, pen, pencil, notebook, storybook, and daily needs from their pocket money to donate to orphanage 'Snehalaya'. Rakshabandhan festival was celebrated with the children of 'Snehalaya' and celebrate Grandparents' day by inviting grandparents from old-age home while students play the role of their grandchildren.

The institution provides the infrastructure to conduct competitive examinations such as GCC-TBC, MHT-CET, DMA, TCS, NEET for convenience of the local people.

File Description	Document
Any other relevant information.	View Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document

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 Institution runs an NSS unit under the university. NSS sorts out exercises identified with Environment and Sustainability like Swachha Bharat Abhiyan Cleaning Drive which was successfully implemented at Hingangaon and Sarola Kasar, Ahmednagar, Tree Plantation of 300 trees at the premises of the institute, Disaster Management wherein students help the villagers during floods of Kerala and Kolhapur. Blood Donation Camps are organized under human value exercises. Expert lectures are organized on cross-cutting issues like human rights and the issue of water. Proficient morals are soaked up among students/employees by urging them to take an interest in the expert exercises like following traffic rules, ITR, awareness about social media/net, awareness about voting. Under the NSS program, the institution adopts a village and arranges a week's residential camp for NSS volunteer students. Under NSS camp volunteers performs different activities in the village like cleaning, tree plantation, construction of Bandhara (Bund), and performs street plays to convey the message of 'Beti Bachao Beti Padhao'.

Green day is celebrated to aware of climate change, sustainability, and the built environment. It is a fun and flexible way to integrate these themes into lessons as a college-wide activity and aims to make college more sustainable in the long term. On 01st July Green day is celebrated by organizing tree plantation programs.

To disseminates the importance of the supreme power, the privilege/ rights to elect their representatives/ political leader to lead the country, the equal rights irrespective of status and gender he/she belongs to, every year institute celebrates Independence day, Republic Day and also conducts Voter Awareness Camp for students and faculties. Under this program, the Voter Awareness poster exhibition was arranged through which students spread the message about the importance of the vote.

Every year our institute arranged Blood donation Camp on the occasion of gathering or women's day. This camp raises awareness and the need for blood and pays gratitude to blood donors for their voluntary and life-saving deed.

International Women's Day focuses on gender equality, women empowerment. The institution celebrates Women's Day on 8th March to encourage the female student and staff by felicitating successful female students and staff for their achievements in the technical field, sports, academic, cultural activities. On this day institution arranged a Hemoglobin checkup camp for students and staff.

File Description	Document
Any other relevant information	View Document
Details of activities that inculcate values; necessary to render students in to responsible citizens	View Document

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: C. 2 of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims.	View Document
Code of ethics policy document	View Document
Any other relevant information	View Document

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

Response:

As a national responsibility Institution celebrates Independence Day and Republic Day to express the gratitude towards the nation and to salute and remember the sacrifices of the freedom fighter. To make aware of social and environmental responsibilities green day, women's day, science day, and world water day are celebrated in the institution.

Institution Organizes National Festivals and Birth and Death Anniversaries of great Indian Personalities like Ganesh Festival, Rajmata Jijau Jayanti, Chhatrapati Shivaji Maharaj Jayanti, Dr. Babasaheb Ambedkar Jayanti, Engineers day with enthusiasm. Thoughts of great Indian personalities sowed into the young minds through the exhibitions and programs conducted on these days. Staff and students understand the importance of national integrity in general and their role in it in particular. The institution practices a pluralist approach towards all religious functions and encourages the students and faculty to showcase the same.

Chhatrapati Shivaji Maharaj Birth Anniversary was celebrated on the 19th of February. Every year Institute arranges rally through Ahmednagar city in which all the schools and colleges of institute participate with different themes. The institution is participating with different themes like Save Trees, Save Girl Child, and Beti Bachao Beti Padhao. Students perform lazim and pyramid along with rally.

National Youth Day is celebrated on the 12th of January to commemorate the birth anniversary of Swami Vivekananda. Students deliver speeches, arranged a bike rally and enacted a play on the life of Swami Vivekanand.

Engineers Day is celebrated on the 15th of September on the occasion of the birth anniversary of Sir Mokshagundam Visvesvaraya. The technical week is celebrated by organizing technical events like project competition, paper presentation, model making, poster competition which provides a platform for students to showcase their technical talent. Students are honored by tittle Mr. and Miss. Smart Engineer by conducting smart engineer competition.

International yoga day is celebrated in the institution on the 21st of June. On this day institution invites an expert in yoga and arranges a yoga session. Everyday classes are started with meditation through 'Omkar'. Institution arranges meditation programs in yoga halls.

Dr. Sarvepalli Radhakrishnan's birth anniversary is celebrated as teacher's day on the 5th of September. Student arranges programs for teachers to pay gratitude to the teachers.

Institution celebrates Savitribai Phule Jayanti every year. She played an important role in fighting for women's rights in India during British rule and is the first female teacher of India. On this occasion, the institution felicitates the toppers, winners at various competitions among girl students.

Shrinivasa Ramanujan's birth anniversary is celebrated as National Mathematics Day on the 22nd of December. The mathematicians from the city are invited to delivered speech on the scope of mathematics in engineering and technology.

Vachan Prerana Diwas was celebrated on 15th October, to encourage reading and writing. This day is observed so that students understand the importance of reading and are encouraged to develop it as a

hobby.

File Description	Document
Geotagged photographs of some of the events	View Document
Any other relevant information	View Document
Annual report of the celebrations and commemorative events for the last five years	View Document

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:

Practice No: 1

1. Title: Jai Jijau Abhiyan

2. Objective of the practices

To raise the degree of autonomy and self-determination education of girl students is one of the key factors which empowers and represent their interest. Education enables them to access available resources and opportunities without hindrance and limitations which raises professional and socio-economical status. This 'Abhiyan' initiates various programs to empower girls with objectives like-

- Right to quality education.
- Capability enhancement to face challenges.
- Empowering to make independent decisions

3. The Context

One of the missions of the institute is to empower through quality education to attain sustainable socio-economic development. The institution caters more than 40% of girl students from a rural and agricultural background. Due to lack of support mechanism girls are deprived especially from technical education. To raise self-confidence, personality and health awareness the institution provides all-round platforms to inculcate entrepreneurial, leadership, managerial and multi-disciplinary skills to enrich technical proficiency through competitions.

4. Practices

An educated woman is the foundation of a strong society, thus institution initiates various activities through expert talks, sessions, camps to achieve technical and self-development of girls.

Girl Students	Technical Development	Self Development	
	1. Quality Technical Education	1. Personality Development	
	2. Employability	2. Sefl-Defence	
	3. Entrepreneurship	3. Self-confidence and Sel-Motivation	
	4. Technical Writing	4. Soft Skills	
	5. Managerial Skills	5. Yoga and Meditation	

5. Evidence of Success

- Maximum girls top every year in the final result.
- 80% of the girl students are employed among which 10 girls are placed at government sections.
- Girls have registered their projects for a patent.
- Maximum girls have participated confidently in various college and intercollegiate competitions like Smart India Hackathon, International Agriculture Fair, paper presentation, workshop and conference and also won many prizes.
- Some of the girl students also involved in sports and played up to zonal level sports competition

6. Problem Encountered and Resources Required

Most of the girl students are from rural areas so they hesitate to discuss problems like sexual harassment, physical problems and crisis due to introvert nature. The institution organizes expert sessions from all sections of society and Industry to boost their self-confidence, to address health issues, personality development, yoga, and meditation.

Practice No: 2

1. **Title of the Practice: Let us Learn**

2. **Objective of the practices:**

To follow our vision "empowering the rural youth through excellence in engineering to attained sustainable socio-economic development", institution aware that economically weaker section living in rural areas is unable to afford even the minimum required fees for engineering course. Hence the institution takes a unique and novel step towards the empowerment of students belonging to poor families.

- To provide them financial help through institutional scholarship/grant.
- To enroll the students to earn and learn scheme as support in financial needs.
- To encourage them to participate in technical events by providing sponsorship.
- To respond to the technological needs of society by targeting quality projects.

3. **The context**:

Quality education is everyone's fundamental right. Due to high fees incurred, technical education becomes out of reach to some sections of the society. The majority of the students in the institutions are from in and around of Ahmednagar district which is a drought-prone area. Most of the students belong to agricultural families where the source of income is dependent on nature. Hence in adverse natural conditions, the students have to take a break in education to support the family. Due to meager income sources students have to unwillingly unable to participate in various technical events.

The institute avails a scholarship to the students and financial assistance to students to enable them to participate in the technical events.

4. **The practice:**

In the institution, around 75% of students avail of government scholarships to support education. From the remaining 25% of students, some of the students are not having the support of any scholarship. Hence such financially weaker section students apply to the Principal for the scholarship under this scheme. Such applications are forwarded to the institute which makes recommendations about scholarships. According to the student's financial needs and academic performance governing body of the institute approves a certain percentage of scholarship. This will help to sustain interest and promote the growth of students by providing the opportunity to pursue quality technical education.

- College provides technical as well as financial support in terms of a registration fee, T.A., D.A. to the students who are caliber to present college at state, national and international levels in various technical and non-technical competitions.
- The institution emphasizes on providing sponsorship to the application based projects for improving technical skills and nurturing the entrepreneurship spirit among them.
- The university has an Earn and Learn scheme for needy students. The institution has its share

exceeds the stipulated limits set by the university. As a result of this maximum students can avail of the scheme to fulfill their academic needs.

- Dr. Abhay Khandeshe donated Rs. 1 lakh as a scholarship. The annual interest incurred is awarded to the meritorious students from the weaker section.
- All the needy students are allowed to pay fees in installment.

5. Evidence of success:

- The students have successfully completed graduation and get employment in renowned companies or get self-employed.
- Students have worked on innovative projects funded by the college and successfully implemented in various areas such as agriculture field – tractor attachment to harvest onions, solar vehicle, drip irrigation by using a sensor, and perforated I section beams. These innovative projects are appreciated and rewarded nationally and internationally and students have filed patents.

6. Problem Encountered and Resources Required

Technical education to every deserving student help to uplift his/her socio-economic status. To upskill technical knowledge maximum students must have to participate in extra-curricular and co-curricular activities. The institute provides scholarships to the students and also funding to the projects, competitions and traveling allowance to facilitate participation.

File Description	Document
Any other relevant information	[View Document](#)
Best practices in the Institutional web site	[View Document](#)

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:

Technology for Social Upliftment and Rural Development:

Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti was incepted in 2011 affiliated to the SPPU, Pune. It is one of the technical educational institutions successfully run by the parent institute Ahmednagar Jilha Maratha Vidya Prasarak Samaj (AJMVPS), Ahmednagar. Chhatrapati Rajarshi Shahu Maharaj of Kolhapur is the source of inspiration behind the establishment of this premier institute. AJMVPS was established in 1918 with the objective of imparting quality education especially to the

economically and socially weaker sections of the society in the district of Ahmednagar. It is a public trust, registered under the Public Charitable Trust Act, 1953. It has contributed substantially to the educational and social developments so far and will continue to do so in future catering to the needs of changing times. Over the years, it has grown into a family of more than 125 educational institutions from pre-primary education to higher and professional education.

Institutional Vision is "Tejo Si Tejo Me Dehi". Oh God! You are the source of luster, grant me luster.

Institutional Mission is

* To impart quality education through effective teaching-learning methodologies.
* To inculcate positive attitude and moral values amongst future technocrats.
* To promote excellence by encouraging creativity, critical thinking, and discipline.
* To inculcate sensitivity toward society and respect for the environment.

To achieve the vision, the institution consistently provides healthy surroundings, innovative platforms, financial support, confidence and motivation to students to encourage entrepreneurial, leadership, and multidisciplinary skills for enrichment of technical competency.

The institution is distinctive by providing guidance, financial support and global platform to students to participate in various competitions like National Solar Vehicle Challenge, Indian Solar Vehicle Championship, International Krushi Mauli Mahatosav, I2I, Best Innovative Award 2018, and Robotics. Thus they can develop skills and come with solutions to agriculture and socio-economic problems.

To bridge the gap between industries and academia faculties encourage students to innovate and undertake innovative projects and the institution encourages the students. The institution allows the student to use laboratories and workshops to complete projects. Students avail of financial aid for innovative projects. The institution provides registration charges and traveling allowance to the student to participate in various conferences, workshops, and competitions. This helps to broaden the horizon and views of the students and makes them compatible with real-world competitions.

The institution frequently organizes field visits and industrial training for students to upskill practical knowledge and to apply to develop technologies for rural development. To develop a strong technical workforce, we facilitate internship; organize seminars, workshops and expert talks by eminent personalities and leading industrialists.

Our institution has signed up MoU with different organizations viz. Ahmednagar Auto Cluster, Logipool Infotech, and Maharashtra Center for Entrepreneurship Development (MCED), GATEtutor InfoEdge Pvt. Ltd., SEED Infotech Ltd. Ahmednagar, DELNET, CADD Centre, and Inditronics. These organizations provide skill development and placement opportunities for the final and pre-final year students. The MoU has signed between the Ahmednagar Auto and Engineering Association(Auto Cluster), which has been formed through mutual concern and benefits of 141 companies from MIDC Ahmednagar.

The area where the college is located falls in the drought-prone rainfall zone and a majority of the students are from an agricultural background. The area receives unreliable annual rainfall. The whole area falls within the chronic water scarcity zone which is marked by a recurring acute shortage of water for

agriculture. Agriculture in the area depends totally on groundwater for its irrigation needs. Since groundwater becomes a very precious resource in case of shortage of rainfall. To address this problem students of the institution have developed controller-based precision irrigation solutions that enable farmers to ensure optimum irrigation at the same time avoid wastage of water. The students have implemented a project on an automatic microcontroller based drip irrigation system, using solar energy and by wireless drip irrigation. This project was appreciated and students were awarded by Krsuhi Mauli award at Nashik 2015-2016 (Jagatik Krushi Mauli Purskar).

To augment traditional farming, the use of mechanical power saves time, reduces efforts and manpower and is cost-effective. Students of the mechanical department have suggested a solution by developing a low cost, low weight attachment to a tractor to harvest onions. The attachment can be used to harvest alternate crops like potato, garlic, beetroot, and ginger. This innovative concept is registered for a patent. This innovative idea has won many prizes at different levels.

Students of the civil engineering department identified the problem of disposal of plastic bottles which take 1000 years to biodegradable and produce toxic flume. For plastic waste, recycling is the only possible way in limited circumstances. To overcome this problem, students proposed environmentally friendly construction using waste plastic bottles. This innovative project consists of the use of bottles in construction as a brick that is filled with completely fly ash. These waste materials are easily available in large quantities. Students designed and tested the construction of the toilet using polyethylene terephthalate bottles for brick. Construction site of this project is near the entrance of the college. The patent is registered for this innovative project.

As a result of the above distinctiveness, students gaining confidence and experience by participating in various competitions such as:-

- **National-level**

1. Indian Solar Vehicle Challenge 2017-18 -Ambala, Haryana, two 1st rank prizes.
2. Smart Indian Hackathon, Bangalore – secured 4th prize

- **State-level**

1. Ignite Innovator of India (I2I 2018) COEP, Pune, Maharashtra. - secured 1st prize (Onion Harvester)
2. Best Innovation Award 2018 G.H Raisoni, Pune Maharashtra – secured 1st prize
3. Avishkar, SPPU, Pune
4. Krushi Mauli Mohotsav: Awarded with Krushi Mauli Puraskar consistently from last 4 years i.e. from 2015 to 2018.

- Innovative projects by civil students:

1. Design and construction of Synthetic Box.
2. Design and analysis of perforated "I" Section Beam.

Outcome:

- Develop Entrepreneurship qualities and provide good placements are the first priority of the institution. Providing an innovative platform, build confidence and think out of the box.
- Institution frequently takes effort to guide students in making very careful and precise career choices, identifies the best available opportunities and developed the ability to grab them.

File Description	Document
Appropriate web in the Institutional website	[View Document](#)
Any other relevant information	[View Document](#)

5. CONCLUSION

Additional Information :

Since its establishment in 2011, Shri Chhatrapati Shivaji Maharaj College of Engineering has developed magnificently in the field of technical education under the guidance of visionary management and through the meticulous efforts of faculty and staff. The institution spans over 21.68 acres area, imparting quality education through academic infrastructure, state of the art laboratories, adequate support facilities, and qualified and experienced faculties and staff. The institution focuses on quality education through the teaching-learning process giving emphasis on co-curricular, extra-curricular, and sports facilities for the holistic development of students.

Concluding Remarks :

- The institution has a well-established vision and mission to fulfill the needs of society and stakeholders. The institution provides the best-in-class academic environment, academic infrastructure, and ample opportunities for co-curricular and extra-curricular activities while taking care of girl's students through various women empowering activities.
- Academic activities are governed through well planned and executed academic calendar whereas monitored through the ERP system and mentoring handbook.
- Special care of meritorious rural students is fostered by providing scholarships awarded by the institute.
- The curriculum is augmented by introducing various skill programs like certificate courses, training courses to make students competent and smart engineers.
- Research innovation and extension activities through conferences, workshops, NSS, YIN, Rotaract Club, annual social gathering facilitate enrichment in research culture and social awareness among the staff and students.
- The institution is governed by various committees like Governing Body, College Development Committee (formerly known as LMC), IQAC, Academic Development, and Monitoring Committee. These committees play vital role in the all-around development of institution and help in marching towards excellence and achieving its recognition in the preferred list of all stakeholders.
- The institution fosters a culture of the delegation of power through HoDs, administrative head, and various committees which assists the Principal in coordination, strategic planning, monitoring, and implementing of academic processes.
- The institution values social responsibilities and provides quality technical education, employability opportunities, entrepreneurship development programs, self-defense technique, leadership, and managerial skills among the students through practices such as 'Jai Jijau Abhiyan' to empower the girl students and an opportunity to avail quality technical education through 'Let us learn'.
- The distinctiveness of the institution lies in developing technology for social and agricultural development through rural and agricultural background students.
- The visionary management, dynamic and talented faculty, dedicated supporting staff, a robust teaching-learning environment, and awareness about social responsibilities help SCSMCOE to fulfill the ambitions of young engineers and it has become a favored destination in a region amongst the students in a short span of time.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.3.2	**Average percentage of courses that include experiential learning through project work/field work/internship during last five years** 1.3.2.1. **Number of courses that include experiential learning through project work/field work/internship year-wise during last five years** Answer before DVV Verification: <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>9</td><td>9</td><td>9</td><td>9</td><td>8</td></tr></table> Answer After DVV Verification : <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td></tr></table>
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)** 2.4.3.1. **Total experience of full-time teachers** Answer before DVV Verification : 216.72 Answer after DVV Verification: 209.72 Remark : DVV has excluded faculty having less than 1 year of experience.

2.6.3	**Average pass percentage of Students during last five years**
	
	    2.6.3.1. **Total number of final year students who passed the university examination year-wise during the last five years**
	Answer before DVV Verification:
	
	<table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>172</td><td>156</td><td>212</td><td>122</td><td>68</td></tr></table>
	Answer After DVV Verification :
	
	<table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>171</td><td>152</td><td>202</td><td>122</td><td>68</td></tr></table>
	    2.6.3.2. **Total number of final year students who appeared for the university examination year-wise during the last five years**
	Answer before DVV Verification:
	
	<table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>

212	180	238	147	68

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
210	171	224	178	68

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)** 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)** Answer before DVV Verification: table: Answer After DVV Verification :

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0.12	0	3.5

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0.12	1.10	2.40

3.2.1	**Number of papers published per teacher in the Journals notified on UGC website during the last five years** 3.2.1.1. **Number of research papers in the Journals notified on UGC website during the last five years.**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
16	20	19	39	23

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
16	20	19	39	23

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** 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**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
29	29	6	11	3

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
29	29	6	11	3

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

   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.**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
11	4	2	3	6

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1	0	0	1	2

3.3.3	**Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the last five years (including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)**

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
14	12	6	8	6

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
5	8	4	7	4

   Remark : DVV has not considered Shiv Jayanti Utsav, Republic Day, Kite Festival, World Polio Day, Gandhi Jayanti, Ganpati Festival, Independence day, Yoga day,Seminar on Mental Health & Disappointment , Water World Day, Raksha Bandhan, Seminar on Study and Student Mentality, Selfie with Teacher.

3.3.4	**Average percentage of students participating in extension activities at 3.3.3. above during last five years**
	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**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
498	702	492	650	332

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
221	382	276	369	224

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**
	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**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
95	46	29	15	19

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

Remark : As per supporting document permission letter to visit cannot be taken as collaboration/linkage.

4.1.4	**Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)**
	4.1.4.1. **Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
28.7	1.14568	16.0063	105.99356	248.96313

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
23.93	1.10	8.56	34.73	92.27

4.2.4	**Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the last completed academic year** 4.2.4.1. **Number of teachers and students using library per day over last one year** Answer before DVV Verification : 85 Answer after DVV Verification: 65
4.3.3	**Bandwidth of internet connection in the Institution** Answer before DVV Verification : B. 30 MBPS – 50 MBPS Answer After DVV Verification: C. 10 MBPS – 30 MBPS Remark : DVV has made the changes as per provided internet connection bill for the year 2018-19 by HEI.
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)** 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)** Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
82.64222	70.17738	44.8541	105.29052	84.23689

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
35.44	40.42	36.18	104.72	34.31

Remark : DVV has made the changes as per total expenditure on website Maintenance, Repair and Maintenance, Construction of Building and Painting and charges in Income and Expenditure account duly signed by CA.

5.1.2	**Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years** 5.1.2.1. **Total number of students benefited by scholarships, freeships, etc provided by the institution / non- government agencies year-wise during last five years** Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15

| 21 | 17 | 8 | 22 | 14 |

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

Remark : Only List has not considered. Sanctioned letter has not provide.

| 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**

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**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1138	579	346	261	259

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
23	114	215	0	0

Remark : The activities such as workshops, seminars, guest lectures, training programmes do not come under this metric. |

| 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)**

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**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1	3	4	3	2

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	1	0	0	0

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** |

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1	3	4	3	2

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1	3	4	3	2

Remark : Selection list has not considered. DVV has made the changes in 2017-18 as per supporting document provided by HEI.

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.**

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.

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
17	19	14	12	01

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
02	07	01	03	01

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)**

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
57	62	61	51	32

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
26	31	21	13	12

Remark : DVV has excluded activities such as Swami Veveka nand Jayanti , Shiv jayanti, republic

	Day, Independence Day, Ganesh Utsav. Actibities such as Chocolate day and Rose day include in event Indradhanu Singing - Drama - Dance Night 2019. which which we have been considered as one
6.3.2	**Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.** 6.3.2.1. **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years** Answer before DVV Verification: 	2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
68	67	49	63	48 | Answer After DVV Verification : | 2018-19	2017-18	2016-17	2015-16	2014-15
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58	57	36	24	23	 Remark : DVV has made the changes as per E-copy of letter/s indicating financial assistance provided by HEI.
6.3.3	**Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years** 6.3.3.1. **Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years** Answer before DVV Verification: 	2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
4	4	3	2	2 | Answer After DVV Verification : | 2018-19	2017-18	2016-17	2015-16	2014-15
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4	4	3	2	2	
7.1.6	**Quality audits on environment and energy 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**

	Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: E. None of the above Remark : Supporting certificates from the auditing agency for the year 2018-19 not provide by HEI.
7.1.7	**The Institution has disabled-friendly, barrier free environment** 1. **Built environment with ramps/lifts for easy access to classrooms.** 2. **Disabled-friendly washrooms** 3. **Signage including tactile path, lights, display boards and signposts** 4. **Assistive technology and facilities for persons with disabilities (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** Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: B. 3 of the above Remark : As per HEI clarification , they choose option 1, 2, 3 and 5. But HEI has not provided supporting document for Signage including tactile path, lights, display boards and signposts.
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** Answer before DVV Verification : A. All of the above Answer After DVV Verification: C. 2 of the above Remark : Supporting documents for professional ethics programmes for students, teachers, administrators and other staff not provide by HEI.

2.Extended Profile Deviations

ID	Extended Questions
1.1	**Number of courses offered by the Institution across all programs during the last five years** Answer before DVV Verification: <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>159</td><td>180</td><td>159</td><td>174</td><td>170</td></tr></table> Answer After DVV Verification: <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>183</td><td>180</td><td>174</td><td>165</td><td>165</td></tr></table>

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
212	180	238	178	68

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
212	171	224	178	68

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
48	64	64	64	48

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
41	44	47	46	59

3.2	**Number of sanctioned posts year-wise during last five years**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
48	64	64	64	48

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
48	64	64	64	64

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
166.57629	99.04176	95.30890	278.75393	369.43789

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
138.46	89.83	110.02	154.70	118.61