

Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	SINDHUDURG SHIKSHAN PRASARAK MANDALS COLLEGE OF ENGINEERING
Name of the head of the Institution	Aneesh Chintaman Gangal
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02367 - 233812
Mobile no.	9420839969
Registered Email	sspmcoe@gmail.com
Alternate Email	aneeshgangal@gmail.com
Address	Ap Harkul Budruk Kankavli Tal Kankavli Dist Sindhudurg 416602
City/Town	Kankavli

State/UT	Maharashtra																		
Pincode	416602																		
2. Institutional Status																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	Self financed																		
Name of the IQAC co-ordinator/Director	Onkar Manohar Marathe																		
Phone no/Alternate Phone no.	02367231525																		
Mobile no.	9404944746																		
Registered Email	onkar.marathe@gmail.com																		
Alternate Email	vrthombare@gmail.com																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	http://www.sspmcoe.ac.in/naac/aqar.pdf																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.sspmcoe.ac.in/academic/calendar_odd_19_20.pdf																		
5. Accreditation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B+</td> <td>2.73</td> <td>2020</td> <td>08-Jan-2020</td> <td>07-Jan-2025</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	B+	2.73	2020	08-Jan-2020	07-Jan-2025
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	B+	2.73	2020	08-Jan-2020	07-Jan-2025														
6. Date of Establishment of IQAC	11-May-2017																		
7. Internal Quality Assurance System																			

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Academic Audit	01-Jun-2019 2	35
Chane of Tubelight to LED	15-Nov-2019 15	400
ICT Classrooms	20-Nov-2019 8	300
Water Purifier	25-Nov-2019 3	200

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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	nil	nil	2020 00	0

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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View Link](#)

10. Number of IQAC meetings held during the year :

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View Uploaded File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

Use of Bicycle for pollution free campus

Use of ICT for teaching

Conduct More Number of Unit Test

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Encourage Students to participate in National Events	Increase in number of participation
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14. Whether AQAR was placed before statutory body ?

No

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

20-Jun-2019

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

. Institute mainly focus on paperless office by using software's such as TCS digital learning. There are 5 main modules like Library Management, Admission, Academics, Accounts and Stock. There are also sub modules like Hostel, Student Leaves etc

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

- For successful execution of curriculum delivery, the Principal holds a meeting with all Heads of Department (HoD) i.e. Computer Engineering, Electronics and Telecommunication Engineering, Electrical Engineering, and

Mechanical Engineering before the start of each semester. • The Academic Calendar of the institute is planned using general guidelines for performing academic activities issued by the affiliating university, namely the University of Mumbai, Mumbai. It provides a detail academic schedule of the each semester. • For successful delivery in classrooms and labs, each HoD holds a meeting with faculty and assigns courses to them based on their individual interests and choices. For their assigned workload, faculty plans a comprehensive Course Plan and Lesson Plan. • With the consent of the HoDs, the time table committee prepares time tables based on the current workload for each department. A master time table, departmental time tables, and individual faculty time tables are prepared by the time table committee and authorized by the HoDs and Principal. The timetables are then sent to individual faculties and placed on the notice board for the benefit of students. • Each faculty member is given a Work Diary to keep track of their regular academic activities. The Work Diary is reviewed on a weekly basis by the HoD of the concerned department. • Per semester, two Unit Tests are conducted to assess students' academic achievement in each course. Normally, question papers for Unit Tests are prepared based on expected course outcomes and the Bloom's taxonomy. Throughout the semester, students performance are evaluated on a regular basis through the Assignments and the Practical results. • A faculty member acts as a Mentor for a total of 20 students. And the mentor meets with students on a periodic basis to resolve academic and other problems of students. • Students' monthly attendance reports are generated, and posted on the notice board, Also, the attendance report circulated to parents. Students with an attendance less than 75% are officially notified, and their parents are invited to speak with the class coordinator regarding the less attendance. • Each department take Mid-Term Feedback from the students to evaluate teaching learning process . And according the received responses to midterm feedback from the students, corrective actions are taken at the department and at institute level. • Every faculty achieves Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) using a variety of methods. HoD monitors the academic activities on a regular basis to ensure the execution of the Academic Calendar, the Timetable, and the Teaching-learning process. • At the end of each semester, each department conducts the Course Exit survey and also takes feedback from students regarding facilities. For final year students, the Program Exit Survey is conducted at the end of the last semester i.e. Eighth semester. • To meet the existing demands of the industry, all departments of the Institute conduct Skill Development Programs. Online certification courses organized by IITs like National Programme on Technology Enhanced Learning (NPTEL) and the Spoken Tutorial Project IIT Bombay are made available

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Introduction to R software	Nil	01/01/2020	60	Employability	Programming
Computer Network Internet Protocol	Nil	01/01/2020	90	Employability/ Entrepreneurship	Networking
Joy of computing using Python	Nil	01/07/2019	90	Employability	Programming

Data Analytics with Python	Nil	01/01/2020	60	Employability	Analysis
Google cloud computing Foundation course	Nil	01/02/2020	60	Employability	Knowledge
Microprocessor and Interfacing Microprocessor and Micro controller	Nil	01/01/2020	60	Employability	Applying
Python for Data Science	Nil	01/08/2019	60	Employability	Programming
Digital Signal Processing	Nil	01/07/2019	90	Employability	Applying
Introduction to Research	Nil	01/08/2019	90	Employability/entrepreneurship	Research
Leadership	Nil	01/07/2019	60	Entrepreneurship	Leadership
Solar Photovoltaics - Fundamentals , Technology and Application	Nil	01/07/2019	90	Employability	Applying

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	NA	09/07/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	COMPUTER ENGINEERING	01/07/2019
BE	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	01/07/2019
BE	ELECTRICAL ENGINEERING	01/07/2019
BE	MECHANICAL ENGINEERING	01/07/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course

Number of Students	152	Nil
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1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Nil	Nil	0
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	MECHANICAL ENGINEERING	24
BE	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	14
Nil	ELECTRICAL ENGINEERING	15
Nil	COMPUTER ENGINEERING	4
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
The SSPMs College of Engineering has a feedback committee to implement feedback system at the institution level. This committee has a policy for receiving suggestions from different stakeholders, such as students, teachers, employers, alumni, and parents. The Curriculums design, innovation, and implementation are all influenced by this input. The aim of this procedure is to improve and enrich students overall learning experience. 1) Students: Structured feedback is collected on curriculum, Course Outcomes (CO's), Program Outcomes (PO's) and Program Specific Outcomes (PSO's) of the department in the form of the course-end survey at the end of the semester. Other parameters on which feedback is collected are quality of education, Library facilities, IT infrastructure available in the institute, Placement assistance, Career guidance provided, Interaction with teaching and non-teaching staff members, Safety and security measures, Hostel facility, An exit survey is also conducted from final year students in their last semester. 2) Parents: Structured feedback is collected on Quality of teaching, Conducive atmosphere in the Institute, Internal examination system, Student counseling, and career guidance Safety and security on-campus, mechanism adapted by the institute for communication regarding progress of their wards, faculty mentoring students, etc. 3) Teachers: Structured feedback is obtained regarding course/s taught, curriculum gaps in Course Objectives, and Program Outcomes. And, received suggestions from the teachers regarding the curriculum are communicated to the respective Board of

Studies of the affiliated university. 4) Alumni: The purpose of the alumni association is to improve the interaction between alumni and the institute. Each discipline has an alumni association member who represents and leads the alumni associations activities. The Alumni Association is made up of students and faculty members from the department During alumni meet feedback is collected from alumni students regarding the relevance of curriculum, gaps between industry and academia, overall quality of engineering programs and institute management. 5) Employers: During campus visits of companies feedback is obtained regarding the quality of students, communication skills, their ability to solve technical problems, programming and analytical skills etc. The above feedback is collected every semester from all of the above stakeholders through an online survey and, in some cases, a physical questionnaire. During meetings, the Heads of Departments, the IQAC Coordinator, and the Feedback committee members evaluate the feedback received from stakeholders, and an action plan for improvement is prepared. The analyzed feedback report is forwarded to the appropriate department or person for reference. Suggestions for improvement are made for the benefit of all stake holders.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Electronics & Telecommunication Engineering	60	3	3
BE	Computer Engineering	60	20	20
BE	Electrical engineering	60	3	3
BE	Mechanical engineering	60	13	13
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	672	0	35	0	35

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
35	35	8	15	0	5

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

A mentor provides students with wisdom, technical knowledge, assistance, support, empathy and respect throughout and often beyond their graduate career. Mentoring helps students to understand how their ambition fit into graduate education, department life and career choices. The institute has Mentoring system for personal counselling and resolving academic and other stress related issues of the students. Full-time teachers of the institute have been appointed as Mentors from every department. A faculty works as a Mentor for a group of 20 students, but in some cases up to 30 students. To look at academic and other issues of students a Mentor arranges periodic meetings and resolves their issues Allotment of Mentors and Mentees is done by the respective department. Every Mentor conducts three meetings with allotted mentees /students during each semester. Mentors personally guide allotted students during the meeting and suggestions from the students are taken into account. The main objective of Mentoring system is to resolve academic issues of the students and other stress related issues to create conducive teaching-learning environment.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
672	35	1:19

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
56	37	19	0	2

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Nil	Nil	Nil

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	EN320601	III	29/11/2019	20/02/2020
BE	EN320601	IV	20/12/2019	20/02/2020
BE	EN320601	V	29/11/2019	20/02/2020
BE	EN320601	VI	20/12/2019	20/02/2020
BE	EN320601	VII	29/11/2020	09/01/2020
BE	EN320601	VIII	15/09/2020	24/11/2020
BE	ALL BRANCHES	I	29/11/2019	24/12/2019
BE	ALL BRANCHES	II	20/12/2019	23/01/2020
BE	EN320602	III	29/11/2019	17/02/2020

BE	EN320602	IV	20/12/2019	17/02/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

• Academic calendar is prepared by institute before the commencement of each semester as per the guidelines of university. • The institution ensures effective time management and timeliness. It receives the university given timeline and adheres to it. • Every academic year consists of two semesters. Each semester is to be of 14 weeks. Every teacher follows a strict agenda that is discussed and approved by the head of their respective department. • This is followed by deducing a day-to-day division of topics and chapters. These topics and chapters are chosen keeping the upcoming CIE in mind. • The timeline created allows the teachers to complete the given syllabus in enough time. • Students get adequate time before the examinations to prepare and practice their concepts. In case of any required change, the university communicates the modification to the college and the college enforces the same. • In any condition, the academic calendar is followed and respected by teachers of all departments. First we follow the university schedule. Plan out for the college events. Consideration of the government as well as collector declared holidays. • After considering above points academic calendar in charge prepares tentative academic calendar and is discussed in the various committee meetings. By considering the suggestions given, final academic calendar is prepared and displayed to all.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Academic calendar is prepared by institute before the commencement of each semester as per the guidelines of university. The institution ensures effective time management and timeliness. It receives the university given timeline and adheres to it. Every academic year consists of two semesters. Each semester is to be of 14 weeks. Every teacher follows a strict agenda that is discussed and approved by the head of their respective department. This is followed by deducing a day-to-day division of topics and chapters. These topics and chapters are chosen keeping the upcoming CIE in mind. The timeline created allows the teachers to complete the given syllabus in enough time. Students get adequate time before the examinations to prepare and practice their concepts. In case of any required change, the university communicates the modification to the college and the college enforces the same. In any condition, the academic calendar is followed and respected by teachers of all departments. First we follow the university schedule. Plan out for the college events. Consideration of the government as well as collector declared holidays. After considering above points academic calendar incharge prepares tentative academic calendar and is discussed in the various committee meetings. By considering the suggestions given, final academic calendar is prepared and displayed to all.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.sspmcoe.ac.in/NAAC/criteria-2/2019-2020/2.6.1.pdf>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage

EN320604	BE	Mechanical Engineering	75	68	90.67
EN320603	BE	Electrical Engineering	74	67	90.54
EN320602	BE	Computer Engineering	64	60	93.75
EN320601	BE	Electronics & Telecommunication Engineering	74	73	98.64
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

http://www.sspmcoe.ac.in/NAAC/criteria-2/2019-2020/SSR_2019.xls

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	00	Nil	0	0
Minor Projects	00	Nil	0	0
Interdisciplinary Projects	00	Nil	0	0
Projects sponsored by the University	00	Nil	0	0
Students Research Projects (Other than compulsory by the University)	00	Nil	0	0
International Projects	00	Nil	0	0
Any Other (Specify)	00	Nil	0	0
Total	00	Nil	0	0
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
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Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Nil	Nil	Nil	2019	0	Nil	0
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Nil	Nil	Nil	2019	0	0	00
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Presented papers	1	0	0	0
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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Nil	Nil	0	0
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Shivjayanti	Nil	SSPM College of Engineering, Kankavali	93
Republic day (National festival)	Nil	SSPM College of Engineering, Kankavali	40
Spoken Tutorial	Nil	IIT Bombay, National Mission on Education through ICT, MHRD, Govt., of India	153
NPTEL Online Certification Course	Nil	IIT Madras, Free online Education Swayam, MHRD, Govt., of India	2
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Nil	Nil	Nil	0	0

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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Nil	00	Nil	00
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Nil	Internship	Techcryptors	04/12/2019	03/01/2020	30
Nil	Internship	Innowise	21/06/2019	06/07/2019	08
Nil	Internship	Innowise	04/12/2019	03/01/2020	01
Nil	Internship	Innowise	09/12/2019	30/12/2019	02
Nil	Internship	Innowise	16/12/2019	28/12/2019	01
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
SAHU Technology Mumbai	11/05/2019	Training Purpose	1
CAD/CAM Guru	Nil	Training Purpose	Nil
Magnifiers Hub, Hirakunj, Ichalkaranji	Nil	Training Purpose	57
Kranti Electricals, Sindhudurg	16/01/2019	Training Purpose	Nil
IoT pro, Bangalore	Nil	Training Purpose	Nil
Excel Technical Institute, Thane	Nil	Internship	Nil
TECH CRYPTORS MUMBAI	Nil	Internship	30
RESEARCH REX MUMBAI	Nil	Internship	Nil
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
4433300	185450

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Classrooms with Wi-Fi OR LAN	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
TCS iON	Fully	10.11.00.06	2015

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	22429	5562816	186	56387	22615	5619203
Reference Books	755	2199622	131	161117	886	2360739
e-Books	51	70595	545	0	596	70595
Journals	290	1895847	39	106534	329	2002381
e-Journals	4718	6826889	463	212778	5181	7039667
Digital Database	1	Nil	Nil	Nil	1	Nil
CD & Video	4897	40000	0	0	4897	40000
Library Automation	1	1072053	Nil	Nil	1	1072053
Weeding (hard & soft)	70	9011	Nil	Nil	70	9011
Others(s pecify)	1424	0	Nil	Nil	1424	0

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr. Kadam S B	Artificial Intelligence	G-Suite	07/07/2020
Mr. Patel Imran A	BEE	G-suite	27/11/2020
Mr. Kudatarkar A V	Maths I	G-suite	27/11/2020
Dr. Satam M K	Chemistry	G-suite	04/12/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	312	17	100	17	1	1	4	100	0
Added	0	0	0	0	0	0	0	0	0
Total	312	17	100	17	1	1	4	100	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
G-suite	http://www.sspmcoe.ac.in/NAAC/criteria-4/criteria-4/4.3.3_1.pdf

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
4061600	2912353	239602	37475

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Supervisors and external agency is hired to look after the house keeping of the entire campus The maintenance of computer hardware, software and networking are taken care by Maintenance Incharge of Computer engineering department. Regular maintenance of equipment in all laboratories is carried out by the

technical staff at the departmental level while in some cases it is referred to the sales and service department of the equipment manufacturer or a service provider. Concerned laboratory Incharge reports the case to HOD. Then HOD consults to the service provider through higher authority. The Institute has appointed technicians for upkeeping and maintenance of electrical equipment under the supervision of electrical maintenance Incharge. The UPS EPABX maintenance work are taken care by Maintenance Incharge of Electronics and Telecommunication Engineering Department. All Mechanical related maintenance is done under the supervision of Workshop Incharge. Security staff is employed to safeguard the whole premises. In case of damage/ nonfunctional equipment's reports are submitted to higher authority time to time and necessary repair is undertaken accordingly. Annual maintenance contract of UPS, ACs, generator etc. is given to an external service provider.

<http://www.sspmcoe.ac.in/NAAC/criteria-4/criteria-4/4.4.2.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Sindhudurg Shikshan Prasarak Mandals College of Engineering Scholarship	12	427219
Financial Support from Other Sources			
a) National	Nil	0	0
b) International	Nil	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Nil	Nil	0	00
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
Nil	Nil	0	0	0	0
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
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0	0	0
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5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Infosys, Mysore, India, Capgemini, Mumbai, Tata Consultancy Services, Mumbai	85	3	Various	100	14
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	Electronics and Telecommunication Engineering	Electronics and Telecommunication Engineering	Etech Solutions	Embedded System with PCB design
2019	1	Electronics and Telecommunication Engineering	Electronics and Telecommunication Engineering	CRB Tech Solutions PVT.Ltd.	Web Application Development Using Python Training Programme
2019	1	Electronics and Telecommunication Engineering	Electronics and Telecommunication Engineering	TeleNetworks, Vashi, Navi Mumbai	CSP Training
2019	1	Electronics and Telecommunication Engineering	Electronics and Telecommunication Engineering	TeleNetworks, Vashi, Navi Mumbai	CSP Training
2019	1	Electronics and Telecommunication Engineering	Electronics and Telecommunication Engineering	Matrix Zero One System, Pune	Java Programming
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
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NET	0
SET	0
SLET	0
GATE	0
GMAT	0
CAT	0
GRE	0
TOFEL	0
Civil Services	0
Any Other	0
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Sports 2019-20	Institutional Level	1082
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	South Asian Federation of All sports International Games 2020	Internat ional	1	Nil	201804061	Shivam Jayawant Pawar
2019	Lokmanya Rangoli co mpitition	National	Nil	1	00	Vaishnavi Dhanaji
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The Secretary of Sindhudurg Shikshan Prasarak Mandal College Of Engineering Honorable Shri. Niteshaji Narayanrao Rane inspired us to form student council and it has been formed as per the provisions of Mumbai University according to section 40(2) (b) of the Maharashtra Universities Act, 1994 to conduct various activities. The student council consists of boys and girls representative from each class from first year to final year. Every year these representatives are selected from each class either by nomination or by election. The institute has an active Student Council, Students Chapters and Student Associations. The Institute also promotes participation of students on academic and administrative bodies. In the month of January every year, the members of student council body elects the Student Secretary. The class representatives of final year are eligible for contesting the post of Students Secretary. The Student Secretary represents the college in university meetings related to

sports, cultural activities and other programs organized by the Mumbai University. An active Student Council comprises Cultural, Technical and Sports events/ activities. Every year, minimum two meetings held between Dean Student Activities and Welfare and student Council members, where various matters related to Studies, Sports, Cultural activities, participation in various inter collegiate programs, grievances of students, and matters related to administrative work are discussed. Student council arranges and takes active participation in "virtuosic" technical event and provides guidance to other students from the institute and outside students. Arranges competition like debate, soft skill development task, fun games and greenery projects. The student council helps other students to come forward to discuss the issues related to department, institute and personal problems, if any.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Sindhudurg Shikshan Prasarak Mandal's college of Engineering (SSPMCOE) alumni association has been registered with the office of the Charity Commissioner, Sindhudurg with Reg.no. Maharashtra / 3120 /sindhudurg established in the academic year 2009-10 under the Societies Registration Act, 1860. Alumni Association committee consists of representatives of students and faculty from each department. Alumni association communicates with the alumni through email or social media. Mr. Ajit P. Gosavi is the president of Alumni association. Alumni contributes their valuable time to conduct seminar for college students by sharing their industrial and entrepreneurship knowledge and experience instead of funding college in terms of money. Every year they motivate the students for personality development for facing the interview, guide them to survive in the global world with some motivational sessions. Alumni visited institute and provide their valuable guidelines to our students. Our students interact positively with alumni and establish rapport. The alumni have their representation in IQAC and College Development Cell (CDC). The development of the institute has been continuously going on by contribution of alumni through non-financial means. The non financial means through which alumni contributes the institute are as follows: Alumni meet: In the alumni meet students meet with the faculty and discuss their achievements and suggest improvement in college facilities. Guest lecture: Helping the institute for making available the Guest lecturers for the academic and industry oriented development of the students. Placements: Our alumni is in contact with college to provide placement opportunities to the students. They also assist to place our students in their company. Career Guidance – The guidance of Alumni is always beneficial to SSPM students and other fellow-alumni in their respective domain. Our Alumni is actively involved in career guidance and train our students for skill development required in industrial jobs.

5.4.2 – No. of enrolled Alumni:

0

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

00

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

1. The institute provide good opportunities to all through participative management. All the Head of Departments and other heads of committee work in teams to accomplish goals. Last year an initiative of developing feedback module was taken which was suggested by some Head. Institute strictly follows all the rules and regulations setup by AICTE, DTE and University of Mumbai. All the rules are followed by taking meetings on regular intervals through participative management. 2. Freedom to purchase by providing budget at the beginning of semester and power to purchase according to limits set.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	As syllabus is set by Board of Studies, University of Mumbai for our Institute. We can only suggest some improvements but not add. After syllabus is finalized, the course teacher adds some software skills to it by correlating it to real world. This helps students to develop and understand the book concept.
Teaching and Learning	The Teacher adds project based learning to the syllabus by developing small circuits, programs...etc. All the teaching is done on projector through ICT and presentation slides.
Examination and Evaluation	Tests are taken on regular intervals to judge the knowledge of student. two unit test followed by one viva exam are conducted internally. Final examination is conducted at the end of each semester.
Research and Development	Students and Faculties are encouraged to participate in National Paper Presentation contest and International Paper Publishing by providing monetary support.
Library, ICT and Physical Infrastructure / Instrumentation	Library is well equipped with books and each student is provided with maximum of 5 books. ICT is implemented in teaching to enhance the student ability to grasp and acquire knowledge. Institute has more than 16 classrooms and 20 laboratories to conduct lectures and practical respectively.
Human Resource Management	Institute constantly recruits faculties and looks for good human resource. Tie up with neighboring Institutes for visiting faculties are

also done as and when required.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	Institute plans according to the decisions made by Management and Develops it within time limit. TCS softwares Inventory Module is used.
Administration	Administration takes care of Registration and Enrolling student and facilitating him till final year. It also helps in maintaining Discipline, Hospitality and Hygiene. TCS softwares Attendance and Hostel Module is used for staff and students.
Finance and Accounts	Finance and Accounts are handled by accounts department. Budget Provisions are made at the start of financial year and respective heads are given freedom to operate and spend. TCS softwares Finance Module is used
Student Admission and Support	Administrative department administers student welfare schemes and scholarships, hostel facilities and data submissions required for DTE, University of Mumbai and AICTE as and when required. Also facilitates students. Registration and Enrollment Module is used
Examination	Examination is taken by departments and End Semester is taken by University. Papers are scanned and checked through university software.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	Mrs Shubhangi Mane	Workshop	Indian Woman Congress	500
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)

2019	Nil	Nil	Nil	Nil	0	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Nil	0	Nil	Nil	00
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
35	35	20	20

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
00	00	00

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The institute has its internal and external audit procedure for accounts department. We have our own internal audit procedure where internal audit is an ongoing quarterly process in addition to the external auditors to verify and certify the entire Receipt and Payment, Income and Expenditure and Balance Sheet of the Institute each year. Qualified Internal Auditors from external resources is permanently appointed to do a thorough check and verification of all vouchers of the transactions that are carried out in each financial year. Likewise an external audit is also carried out on an elaborate way on yearly basis. The institutional accounts are audited regularly by both Internal and statutory audits. So far there have been no major objections from internal / external Auditors. Minor errors of omissions and commissions when pointed out by the Auditors are immediately corrected / rectified and precautionary steps are taken to avoid recurrence of such errors in future. The institute regularly follows Internal external financial audit mechanism.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Nil	0	Nil
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6.4.3 – Total corpus fund generated

00

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External	Internal

	Yes/No	Agency	Yes/No	Authority
Academic	No	Nil	Yes	Head of Department
Administrative	No	Nil	No	Nil

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Nil

6.5.3 – Development programmes for support staff (at least three)

Nil

6.5.4 – Post Accreditation initiative(s) (mention at least three)

Use of Bicycle Participation in National Events
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6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Nil	Nil	Nil	Nil	0
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Poster Competition on gender equity	05/02/2020	05/02/2020	5	7
Article writing competition on "great Women of india"	03/03/2020	03/03/2020	24	12

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
19

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0

Ramp/Rails	Yes	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Any other similar facility	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	Nil	1	29/07/2019	1	Talk about skill development program	Skill development various facilities available for new startup	42
2019	Nil	1	25/07/2019	1	Seminar on how to improve mind power	Mind power improvement	70
2020	Nil	1	09/01/2020	1	seminar on naturopathy	various preventive steps to be taken to avoid heart attack and precautions	40

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
SSPMS College of Engineering Code of Conduct	07/06/2019	Institute is arranging code of conduct awareness program for newly entered students.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence day Celebration	15/08/2019	15/08/2019	67
Republic day	26/01/2020	26/01/2020	48
Kargil Vijay	26/07/2019	26/07/2019	62

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Institute has variety of tree plantation in campus. 2. Use of public transport 3. Use of Plastic bags Use through material is totally banned 4. Institute has solar system for water heating 5. Institute has compost plant to reuse biodegradable waste material 6. Use of bicycles

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: 1. Title of the Practices : Student Development Program (SDP) 2. Objectives of the Practice: Industry oriented multi Skill Development for student Industry oriented multi Skill Development for students 3. Context : Students joining our institute are from rural areas varied background lacking industry oriented skills. The curriculum is not totally as per the expectation of the industry for employment. Industry needs ready workforce to be competent enough to start contributing from day one and at the same time many industries do not have policy for internship. Due to all these facts institute focus on arranging various industry oriented skill development programs for students. 4. The Practice : Institutes is mainly focusing more on various skill development courses for student. Institute encourages student for spoken tutorial certification organised by IIT Mumbai, NPTEL Certification. Institute is also arranging workshops, training, and seminar from various industry experts. 5. Evidence of Success : As a result of adoption of this best practice, this improves technical industry oriented knowledge, soft skill, logic of students, as well eventually this improved no. of placements per year. 6. Problems Encountered and Resources Required: The institute being situated in rural area the students are not that much exposed to the current enhancements. To overcome this, such a programs play an important role . Need to involve more participants from the other institutes. To mould the students mentality towards improvement in their personality without hampering academics was a difficult task. Lack of industry trained faculties willingness to come here for training .

Best Practice 2 : 1. Title of the Practices: Use of ICT for teaching learning process creation of video lecture e-content database 2. Objectives of the Practice : Institute started e-content development and database creation to enhance teaching learning process. 3. Context : All teaching and non teaching staff started using all gsuite facilities such as google classroom, google meet for lecture practical recording and various google facilities. 4. The Practice : Institute has started e-content development by using g-suite facilities for academic management tools. Most of the staff members started there YouTube channel and they are getting good response for out side world. Database of 100 recorded lectures has been developed per department and it is gradually increasing day by day. 5. Evidence of Success : E-content development and access to the students has started improving student learning capability as well as the total teaching learning process has been improvised. 6. Problem Encountered and Resources required: The institute being situated in rural area the students are not that much exposed technology and limitations are due to internet connectivity.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.sspmcoe.ac.in/NAAC/criteria-7/2019-2020/7.2/best%20practice.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and

The institute is established in year 1999 by a great visionary Hon. Shri. Narayan Rao Rane saheb with the vision of providing engineering knowledge to the student, mainly in this region where there was a less awareness regarding engineering education in those days and less no of engineers. Our institute is serving successfully to the students and community from last 19 years. Institute has located 8Km away from kankavli city in 30.5 acres eco-friendly environment which help to enhance the teaching-learning process. Institute also has the top class infrastructure, well equipped laboratories, scientific approach and optimistic attitude to match and cope with changing scenario in education and industry. Institute mainly focus on creating skilful engineers to increase prosperity of this region and community. This institute has moderate fee for all students. We also supports needy students who require financial support for their education on our own finance. Besides this, the institute continuously supports the students by providing them various scholarships schemes under government of India and other private sources. The institute has always given admission based on merit and need of the society. Management quota of the admission is filled up on the basis of merit only. Institute also provides various awards such as Nilesh Nitesh award which were given to the FE,SE,TE,BE and best outgoing student to encourage and to boost them for their academics performance. Institute organise various technical event mainly Virtuosic by the inspiration and vision of our secretary Hon.Niteshji Rane saheb.This event is one of the best technical event conducted, not only in this Konkan region but in our Mumbai University also. This gives platform to the students to present their innovative ideas and engineering approach. This includes various events such as project exhibition, research paper presentation and different workshops conducted by various expertise from industries and well reputed institutes. This event help in filling educational gap in the university syllabus and industrial employ ability of students. Institute is not only focusing on education and skill development of students, but also taking good efforts for placement of student to various reputed industries and trying to have tie-up with various industries even though we are located away from industrial regions various companies are approaching to us on their own belief.Institute also organise various community beneficial programs such as health awareness programs, environment conservation programs and other social awareness programs. Institute has been selected as a remote centre for conducting lectures and workshops through NMEICT IIT Bombay and IIT Kharagpur. Various workshops are organised by IIT through this remote centre. The students as well as faculty members update their knowledge through these workshops. The institute encourages faculty members and students to take online courses conducted by NPTEL in order to support continuous learning. With the setup of local NPTEL Chapter in 2017, most of faculty members so far have completed at least one NPTEL online courses. Institute has agreement with TCS for conduction of various government and non-government exams such as MHT-CET etc.

Provide the weblink of the institution

<http://www.sspmcoe.ac.in/NAAC/criteria-7/2019-2020/7.3/7.1.3.pdf>

8.Future Plans of Actions for Next Academic Year

1.Institute is planning to increase research and Development activities. 2.Each department is planning to arrange at least one student development activity per month. 3.Institute has plan to conduct various certification courses such as Pearson certification as well interested to have examination centre 4.Institute is planning to conduct more no.of placement activities to increase no.of placements per year. 5.Institute has a plan to conduct soft skill development activities to increase placements 6.All faculties should publish one paper in national and international journal per semester

