



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		JSPM NARHE TECHNICAL CAMPUS
Name of the head of the Institution		Dr. Ravindra K. Lad
Designation		Director
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08262983871
Mobile no.		9850214835
Registered Email		director@jspmntc.edu.in
Alternate Email		ravindraklad5@gmail.com
Address		Survey No. 12/2/2 & 14/9, Narhe, Pune Bangalore Highway, Taluka Haveli, Pune. Maharashtra
City/Town		Pune
State/UT		Maharashtra
Pincode		411041

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. Mhalsakant M.Sardeshmukh
Phone no/Alternate Phone no.	08262983871
Mobile no.	9422025913
Registered Email	iqac@jspmntc.edu.in
Alternate Email	mmsardeshmukh2016@gmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://jspmntc.edu.in/pdf/AOAR/Accepted%20AQAR%202018-2019.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.jspmntc.edu.in/pdf/Academic_Calendar/Academic_Calendar_2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.87	2019	01-May-2019	30-Apr-2024

6. Date of Establishment of IQAC	01-Jun-2017
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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
PMMMNTT Faculty	14-Oct-2019	133

Development Programme in Data Science	5	
Faculty Awareness program on NAAC Revised Accrediation Framework 2020(online mode)	11-May-2020 6	468
FDP on Project Based Learning and there outcomes	05-Aug-2019 3	14
ONE DAY WORKSHOP ON RESEARCH/REVIEW PAPER WRITING (ONLINE MODE)	04-Jan-2020 1	32
FDP on Report writing using Latex	11-May-2020 5	16
FDP/workshop on 'Finite Element of Analysis using ANSYS R13 Workbench software	25-Nov-2019 3	26
Two days workshop on pre-processing using hypermesh	10-Jan-2020 2	112
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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	NA	NIL	2020 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	3
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 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)

Focus on enhancement of quality of course material Industry institute interaction using concept of one faculty one industry relation. Planning for use of the MOOC courses and use of Virtual Lab Skill development and training program for students to increase the placement of the students Training program for non teaching for enhance the personal skill

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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
Motivate the students to use the MOOC platform	The no of students taking the courses on course era NPTEL increased which opened a new platform of learning. Total Registration 3564 and the Students who completed the course successfully is 307
Motivate and support the faculty to improve there skill set by attending different workshop seminar and weibinar	Faculties have attended more than 200 different programs on technical and skill development
Organization of the soft skill tarining programs for students in association with Industry	The additional traing received by the studnts which helped to increase the number of placement count and the package of the student
Increasing the association with industry	College ranked in Platinum Category by the AICTE-CII survey
Monitoring the attendance and lecture conduction by AMC	Improved the average attendance and the academic results

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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

2020

Date of Submission

29-Jan-2020

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)	<p>The institute has Management Information System called eSamanway which is developed in house. This system eases the maintenance of faculty personal details including faculty qualification, experience, Project guidance details, etc. The system has student information module which contains the academic and personal information about the students. This module turns out to be extremely useful for the Guardian Faculty Member (GFM) Scheme for tracking student attendance and academic progress as well as for the result analysis. Following modules are available in eSamanway: 1.Course Information System 2. Placement Information System 3. Student Information System 4. Faculty Information System. The eSamanway MIS is augmented by various e Governance tools such as, MOODLELMS, Tally ERP 9, and AutoLib for effective information management. In addition to these, the Directorate of Technical Education (DTE), Maharashtra facilitates the admissions process. The Savitribai Phule Pune University (SPPU) provides support for online recordkeeping of student assessment and results</p>

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

Planning of the academic year is done by preparing an academic calendar with reference to the University calendar. The suggestions and corrective actions taken by Academic Monitoring Committee (AMC) during earlier academic years are also taken into account. For effective delivery and transaction of the curriculum Institute takes initiative through laboratory preparation, faculty preparation and departmental preparation. During preparation it is ensured that the system will work as a student centric and outcome-based education system. As per Training Need Analysis (TNA), required training is imparted to the faculty members well in advance so that they can practice the same. The workload distribution and portfolio allocation is declared well in advance. The consumables required for the laboratory are procured well in advance and record is maintained. Every faculty prepares a teaching-learning and assessment plan and course file for smooth execution of the teaching-learning process. The availability of all required teaching-learning material on Learning Management System (LMS) MOODLE is ensured well in advance. Sample Presentation of academic

content in the department by the faculty members before commencement of the semester is arranged and feedback from attendees is provided to the concern to improve teaching quality. The required formats for maintaining the record and monitoring is provided to all faculty members. Academic Monitoring Committee (AMC) carries out a pre-semester commencement audit. As per schedule the academic commences. All the students are enrolled for required courses on MOODLE thereby making learning material available to them; it helps the faculty member to maintain rapport with students. Before commencement of actual classes student orientation is organized to make them aware of their roles and the facilities available to achieve the required outcomes. Further students are classified as strong and weak learners based on their previous academic data. As per need, separate assignments, extra and co-curricular activities are arranged for them to fulfill Course outcome (CO), Program Specific Outcome (PSO) and Program Outcome (PO). The provision for practice classes and remedial lectures are made as per needs. Due care is taken to provide exposures to the students about professional and industrial practices through interaction with various stakeholders. Various cells and committees existing in the Institute provide assistance and value addition to the programs. The overall monitoring of academics is maintained by the Departmental and Institutional Academic Monitoring Committee (AMC). Evaluation of students is done on a continuous basis and feedback of the same is given to the students. Additional resources like virtual laboratory and self-study laboratory are made available to the students.

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
NIL	NIL	Nil	0	0	0

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
MBA	MBA	01/06/2019
MCA	MCA	01/06/2019
BE	First Year Engineering	01/06/2019
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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	Civil Engineering	01/06/2019
BE	Computer Engineering	01/06/2019
BE	Electronics & Telecommunication Engineering	01/06/2019
BE	Mechanical Engineering	01/06/2019
MBA	MBA	01/06/2019
MCA	MCA	01/06/2019

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

	Certificate	Diploma Course
Number of Students	Nil	Nil

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
MATLAB Simulink for System Modeling	09/12/2019	20
Hands on training FEA using ANSYS APDL and Workbench	10/01/2019	52
Personality Development Logical Reasoning	11/02/2019	31
Robotics using Arduino	15/07/2019	24
Effective Leader and Team Building	28/12/2020	17
Communication and Soft Skill	06/01/2020	51
Android App Development	06/07/2020	66
Application of Matlab in Civil Engineering	10/02/2020	32
Red Hat Linux	06/01/2020	52
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1.3.2 – Field Projects / Internships undertaken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil Engineering	45
BE	Computer Engineering	15
BE	Electronics & Telecommunication Engineering	41
BE	Mechanical Engineering	92
MBA	MBA	91
MCA	MCA	8
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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	No

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

Feedback Obtained

Online/Offline feedback is collected from following stakeholders respectively on the relevant aspects annually: Students: Curriculum, Teacher evaluation, facilities like library, laboratory, office service, cleanliness, internet facilities, etc. on the campus. Teachers: Curriculum, facilities like laboratory, internet facility, library etc. Employers: Curriculum, student quality, skills of students etc. Alumni: Curriculum and Facilities on the campus Parents: Curriculum and Facilities on the campus Analysis and cognizance: Feedback collected from stakeholders is analyzed and suggestions received are conveyed to the concerned authorities for further action and improvement. As well as Action Taken Report is available on institutional website.

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	Civil Engineering	120	36	36
BE	Computer Engineering	60	60	60
BE	Electronics & Telecommunication Engineering	60	38	38
BE	Mechanical Engineerin-I	120	22	22
BE	Mechanical Engineerin-II	120	2	2
ME	VLSI	24	2	2
ME	Computer	24	6	6
MBA	MBA	120	120	120
MCA	MCA	60	54	54
ME	Design	24	2	2

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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	1882	351	128	27	6

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
161	161	5	40	6	9
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)

Mentor-Mentee Scheme is actively implemented in the Institute. There is a Mentor called as Guardian Faculty Member (GFM) for a specific group of students (15 to 20) which is allotted by the HOD, Dean/Director at the commencement of academic year. Mentors (GFM) compulsorily conduct a meeting every fortnight, during this meeting the mentor interact with the mentees and discuss the issues related to academic, personal etc. At the beginning of the academic session, the class / batch wise names of the mentors are displayed on the college notice board. The mentors are supposed to take care of academic progress and psychological well being of their mentees. They are also entrusted with the task of monitoring the attendance. At the beginning of the academic session, the mentors conduct orientation programs for the mentees to ensure whether they are acquainted with the institution, its vision and mission, the facilities available and the rules and regulations of the institute and affiliating university. The GFM encourages the students to participate in co-curricular and extracurricular activities. GFM had a keen eye on their respective students for their overall grooming. If required the GFM also interact with the students parents to make them aware about the academic progress of their ward. Our this unique is well appreciated by the parents.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2233	161	1:14

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
135	161	Nil	5	17

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
2020	Prof. Vipul Mahindrakar	Assistant Professor	Best TPO Award
2020	Prof. Vipul Mahindrakar	Assistant Professor	Samaj Bhushan Award
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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	675519110	2019-20	27/04/2020	11/11/2020

BE	675524510	2019-20	27/04/2020	11/11/2020
BE	675537210	2019-20	27/04/2020	11/11/2020
BE	675561210	2019-20	27/04/2020	11/11/2020
BE	675561280	2019-20	27/04/2020	11/11/2020
BE	67551220	2019-20	27/04/2020	11/11/2020
ME	675534110	2019-20	23/05/2020	11/11/2020
ME	675524510	2019-20	23/05/2020	10/11/2020
ME	675560110	2019-20	23/05/2020	12/11/2020
ME	67559620	2019-20	23/05/2020	10/11/2020

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The process of continuous evaluation is employed through various tools like, assignments, online Multiple choice questions, unit test and group discussion, practical mock test and preliminary examination. Continuous evaluation helps the student to deal with the practical difficulties related to the subject, think about alternative and creative solutions, and improve communication skills. Laboratory work assessment and mock orals are conducted regularly to ensure their practical knowledge. This provides basis to evaluate student performance. In addition to conventional method of evaluation, group discussion, field studies, debates, seminars, study tours, competition on different topics are used for indirect assessment. Result analysis of internal assessment is carried out to know CO-PO mapping which help to improve the student's overall progress. We always do the outcome based evaluation. Multiple Choice Questions (MCQ'S) online test help to evaluate the students basic understanding of the subjects. This has enhanced effectiveness, efficiency and transparency in the evaluation process. Unit test is one of the most commonly used tools to evaluate the performance of the students periodically. Continuous assessment is used for practical assignments. Preliminary Examination reflects preparation level of students for final examination. These formative and summative approaches adopted by the institution to measure student progression have resulted into, better participation of students in teaching learning process. This overall process leads to significant improvement in Outcome

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

Before commencement of each Academic Year, University gives the pathway regarding date of Commencement of each semester, Schedule of Examinations, Term end, End Semester Examination in the form of academic calendar. The Academic Calendar of the institute, based on the university guidelines and in coordination with the IQAC coordinator is then prepared. The calendar outlines the semester class work, internal examinations, term end, co-curricular and extracurricular activities. The HOD/Dean in consultation with Director assigns the courses/subjects based on faculty choice and area of specialization. Faculty member prepare course plan and course file before the commencement of semester, indicating the topics to be covered, teaching methodologies being applied and assignments given to the students with evaluation process for each allotted subject and get approved by Dean/HOD. Time table in-charge prepares the time table as per the guidelines given by the university and load distribution. Time table is then displayed on the notice boards and conveyed to the students faculty. The performance of the student is assessed on continuous basis as per guidelines prescribed by university and the schedule of the college academic calendar. The continuous internal Assessment evaluation sheet

is shared with the students to clarify their doubts about the evaluation Process. The academic schedule prescribed is strictly adhered by all the faculties and monitored by HOD/Dean, Academic Monitoring Committee (AMC) and Director.

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)

<https://jspmntc.edu.in/pdf/NAAC/PO%20PSO%20CO.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
675510110	MBA	MBA	92	89	96
67559620	ME	Heat Transfer	3	2	66
675560110	ME	Design	6	6	100
675524510	ME	Computer	5	5	100
675534110	ME	VLSI	3	1	33
67551220	BE	Mechanical Engineering-II	131	128	97
675561210	BE	Mechanical Engineering-I	227	226	99
675537210	BE	Electronics and Telecommunication Engineering	54	53	98
675524510	BE	Computer Engineering	72	72	100
675519110	BE	Civil Engineering	113	112	99

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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)

https://www.jspmntc.edu.in/pdf/StudentSatisfactionSurvey/SSS%20Report%202019_2020F.pdf

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

Industry sponsored Projects	365	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	0.85	0.85
Industry sponsored Projects	365	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	2.85	2.85
Industry sponsored Projects	365	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	1.2	1.2
Industry sponsored Projects	730	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	1.25	1.25
Industry sponsored Projects	730	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	0.8	0.8
Industry sponsored Projects	365	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	0.75	0.75
Industry sponsored Projects	760	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	1.5	1.5
Industry sponsored Projects	365	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	1.5	1.5
Industry sponsored Projects	730	Nikhil Construction	1	1
Industry sponsored Projects	365	Nikhil Construction	1.25	1.25

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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
Geometric dimensioning and tolerancing	Mechanical Engineering	24/07/2019
Two days workshop on pre-processing using hypermesh	Mechanical Engineering	10/01/2020
PMMNMTT Faculty Development Programme in Data Science	Computer Engineering	14/10/2019

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
NIL	NIL	NIL	Nil	NIL

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
JSPM NTC	Shubham Nigade	Pune Municipal Corp.	Shreenivas Enterprises	Contractor	25/11/2019
JSPM NTC	Yenpure Sarang	PWD, GoM	Unemployed Engineer	Contractor	08/12/2020
JSPM NTC	Yuvraj Kale	Self	Jeetraj Renovation	Civil Maintenance Work	04/01/2020
JSPM NTC	Jitendra Dangat	Self	Jeetraj Renovation	Civil Maintenance Work	04/01/2020
JSPM NTC	Digvijay Jadhav	Self	Scrobites Tech.	S/w Development and Services	01/01/2020
JSPM NTC	Nilesh Kadu	Self	Stator Neutral Automation Pvt. Ltd.	Automation	29/07/2020
JSPM NTC	Shubham Jadhav	Self	Renuka Constructions Pvt.Ltd.	Construction	20/08/2020

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
NIL	Nil

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	8	2.5
International	Electronics Telecommunication Engineering	2	3
International	Computer Engineering	33	3
International	Mechanical Engineering Shift I	8	Nil
International	Mechanical Engineering Shift	5	1.5
International	First Year Engineering Science	1	.1

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Civil Engineering	5
Computer Engineering	7
Mechanical Engineering Shift 1	3
Mechanical Engineering Shift 2	1
First Year Engineering Science	1

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

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
Emotion Recognition Using Twitter Api And Analysis Of Unison Model With Gaussian Naive Bayes Classifier	Dr. S. B. Sonkamble	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	0	JSPM Narhe Technical Campus, Narhe Pune	Nil

Advanced Machine Learning Technique for Classification of Histopathological Images	Prof.Vilas S Gaikwad	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	0	JSPM Narhe Technical Campus, Narhe Pune	Nil
A Survey On Emotion Recognition Using Twitter API and Analysis of Unison Model with Gaussian Naïve Bayes Classifier	Dr. S. B. Sonkamble	International Journal For Research and Development in Technology	2019	0	JSPM Narhe Technical Campus, Narhe Pune	Nil
A Survey on Efficient Method of Noise Reduction and Segmentation of Medical Images	Prof.Vilas S Gaikwad	International Journal of Multidisciplinary	2019	0	JSPM Narhe Technical Campus, Narhe Pune	Nil
Efficient Method Of Noise Reduction And Segmentation Of Medical Images	Prof.Vilas S Gaikwad	Journal of Emerging Technologies and Innovative Research	2019	0	JSPM Narhe Technical Campus, Narhe Pune	Nil
Survey on Evolutionary AI Algorithm for Health Risk Prediction	Dr. R. H Kulkarni	International Journal Of Research In Electronics And Computer Engineering	2019	0	JSPM Narhe Technical Campus, Narhe Pune	Nil
A I Algorithm For Health Risk Prediction	Dr. Nihar Ranjan	Journal of Emerging Technologies and Innovative Research	2019	0	JSPM Narhe Technical Campus, Narhe Pune	Nil

		(JETIR)				
eFare Smart System Framework	Sonkamble Sulochana Balwant	International Association of Engineers Journal	2019	0	JSPM Narhe Technical Campus, Narhe Pune	Nil
Failure Mode and Effect Analysis on Welding Asembly Process	G.S.Sawadkar	International organization of Scientific Research Journal of Engineering (IOSR JEN)	2019	0	JSPM Narhe Technical Campus, Narhe Pune	Nil
Developing Framework for the Implementation of Advanced Manufacturing Technologies in Small and Medium-Sized Enterprises	Dattatraya V. Bhise	International Journal of Applied Management Technology	2019	0	DGI Greater Noida	Nil
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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
Performance analysis of human detection and tracking in changing illumination	Dr.M.M.sardeshmukh	International Journal of Advanced Trends in Computer Science and Engineering	2019	18	Nil	JSPM Narhe Technical Campus, Narhe Pune
Review on Smart Drip Irrigation and Fertigation using IOT	Dr.M.M.sardeshmukh	International Journal of Computer Sciences and Engineering	2019	Nil	Nil	JSPM Narhe Technical Campus, Narhe Pune

and WSN						
Groundwater Potential Zone Mapping using Geo-spatial Tools for Watersheds in Upper Bhima Basin, Pune, India	Lad Ravindra K	International Journal of Recent Technology and Engineering	2019	Nil	Nil	JSPM Narhe Technical Campus, Narhe Pune
The Relation between Structural Distresses in the Flexible Pavements	Lad Ravindra K	International Journal of Innovative Technology and Exploring Engineering	2020	Nil	Nil	JSPM Narhe Technical Campus, Narhe Pune
Rating and Condition Assessment of Urban Roads Based on Functional Distresses	Lad Ravindra K	International Journal of Recent Technology and Engineering	2020	6	Nil	JSPM Narhe Technical Campus, Narhe Pune
Detection and analysis of Cracks for Rating of Flexible Pavements	Lad Ravindra K	Global Journal of Engineering Science And Researches	2020	6	Nil	JSPM Narhe Technical Campus, Narhe Pune
Performance Optimization of Anaerobic Continuous Stirred-Tank Reactor Operating on Distillery Spent Wash	D. D. Mohite	Journal of Environ. Eng.,	2019	5	4	VTU Regional Research Centre, Visesvaraya Technological Univ., VTU Main Rd., Jnana Sangama, Belgavi, Karnataka
Vein width meas	V.V. Muthekar	Journal of Applied	2019	1	2	JSPMs RSCOE,

Measurement of groundwater on Earths surface using Semiconductor Laser Light and Proton Precession Magnetometer		Geophysics				Tathawade, Pune 411033, India
Performance Assessment of Flexible Pavements: Fuzzy Evidence Theory Approach	Dr. R.K.Lad	Civil Engineering Journal	2020	6	1	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune, 411018, Savitribai Phule Pune University, India
Rating and Condition Assessment of Urban Roads Based on Functional Distresses	Dr. R.K.Lad	International Journal of Recent Technology and Engineering (IJRTE)	2020	Nil	1	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune, 411018, Savitribai Phule Pune University, India
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	14	87	67	142
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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
Nirmalwari	NSS	2	15
Tree Plantation	NSS	5	40

Ganesh Visarjan	NSS	1	25
Police Mitra	NSS	1	25
Nisargseva on Occasion of Engineers Day	NSS	5	25
NSS Foundation Day	NSS	10	45
150th Birth Anniversary of Mahatma Gandhi	NSS Shanti Dal	2	30
Police Rising Day	NSS JSPM NTC with SINHAGAD ROAD POLICE STATION	1	50
Tobacco Free Campus	SALAM MUMBAI FOUNDATION	35	50
Speak for Nation	NSS	2	69
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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
NIL	0	0	Nil
No file uploaded.			

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
Community	NSS	Speak for Nation	2	69
Community	SALAM MUMBAI FOUNDATION	Tobacco Free Campus	35	50
Community	NSS JSPM NTC with SINHAGAD ROAD POLICE STATION	Police Rising Day	1	50
Community	NSS Shanti Dal	150th Birth Anniversary of Mahatma Gandhi	2	30
Community	NSS	NSS Foundation Day	10	45
Green Pune Clean Pune	NSS	Nisargseva on Occasion of Engineers Day	5	25
Community	NSS	Police Mitra	1	25
Green Pune Clean Pune	NSS	Ganesh Visarjan	1	25

Green Pune Clean Pune	NSS	Tree Plantation	5	40
Unnat Bharat Abhiyan	NSS	Nirmalwari	2	15
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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
Sponsered Projec	8	M/s. Nikhil Construction	365
Sponsered Projec	4	Kirloskar Ferrous Industries Limited Solapur	365
Sponsered Projec	4	INFINITY 3D PRINTING SOLUTION, PUNE	365
Sponsered Projec	4	SPARK ENGINEERING, BHOSARI, PUNE	365
Sponsered Projec	4	Kirloskar Ferrous Industries Limited Solapur	365
Sponsered Projec	3	JANHVI FILTERS, NANDED CITY, PUNE	365
Internships	3	PHN Tech.Pvt ltd	60
Internships	5	Equation work it service pvt ltd	180
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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
Project Work	Research Project	M/s. Nikhil Construction	01/07/2019	30/06/2020	4
Project Work	Research Project	Shreenath Mhaskoba Sugar Factory	01/07/2019	30/06/2020	4
Sponsored Project	PROPER (PRO CESS OPTIMIZATION AND PERFORMANCE	Anukool India Pvt. Ltd. Pune	01/06/2019	01/05/2020	4

	IMPROVEMENT OF HVAC SYSTEM)				
Sponsored Project	Failure Analysis Of Bearing Due To Bending Of Roller	Kirloskar Ferrous Industries Limited Solapur	01/06/2019	01/05/2020	4
Sponsored Project	Design And Manufacturing Of Material Feeding Mechanism Attachment For Band Saw Machine For Cutting Application	Varad Engineering, Bhosari Pune	01/06/2019	01/05/2020	4
Sponsored Project	Designing And Testing The Optimum Design Of Thermoelectric Air Conditioner For Automobile	Phoenix Refrigeration Pvt Ltd, Narhe Pune	01/06/2019	01/05/2020	4
Knowledge Transfer	Seminar on robotics	India First Robotics	05/10/2019	05/10/2019	100
Workshop	3 Online Workshop on Yoga Meditation	Heartfulness Institute	12/10/2020	12/10/2020	98
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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
India First Robotics	15/09/2019	Seminar on robotics	100
RPG Foundation	09/01/2019	Training, Workshop, Internship, Placement drives	24
Vertex IT Services Pvt. Ltd.	10/11/2019	Training, Guest Lectures, Internship placement drives	52
Stackzeal India Pvt. Ltd.	08/08/2019	Training, Internship	Nil

Placement drives

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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
4.8	4.41

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
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Others	Newly Added

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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
Autolib	Fully	1.0	2011

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	296	737630	Nil	Nil	296	737630
Reference Books	301	1108462	Nil	Nil	301	1108462
Journals	102	330579	84	252106	186	582685
e-Journals	4	1085145	1	2124000	5	3209145
e-Books	30000	182900	30000	173250	60000	356150

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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
Prof.A.V. Gore	Basic Sciences	JSPM NTC Academics Offical Youtube Channel For Publishing Institute E-content	27/07/2020
Prof.S.S.Ambare	Basic Sciences	JSPM NTC Academics Offical Youtube Channel For Publishing Institute E-content	28/08/2020
Prof.P.P.Naik	Basic Sciences	JSPM NTC Academics Offical Youtube Channel For Publishing Institute E-content	31/03/2020
Mr. G. H. Bhosale	Basic Sciences	JSPM NTC Academics Offical Youtube Channel For Publishing Institute E-content	05/09/2020
Mr. B. B. Aher	Design Engg	JSPM NTC Academics Offical Youtube Channel For Publishing Institute E-content	08/11/2020
Mrs.M.S.Deokar	Design Engg	JSPM NTC Academics Offical Youtube Channel For Publishing Institute E-content	23/09/2020
Mrs.R.A.Yadav	Design Engg	JSPM NTC Academics Offical Youtube Channel For Publishing Institute E-content	05/09/2020
Mr. J. M. Jadhav	Design Engg	JSPM NTC Academics Offical Youtube Channel For Publishing Institute E-content	05/09/2020
Mrs. A.D.Halwe	Design Engg	JSPM NTC Academics Offical Youtube Channel For Publishing Institute E-content	30/09/2020
Mrs.A.M.Kadam	Thermal Fluid Engg	JSPM NTC Academics Offical Youtube Channel For	05/10/2020

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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	764	21	1	3	1	33	578	100	41
Added	0	0	0	0	0	0	0	0	0
Total	764	21	1	3	1	33	578	100	41

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

65 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
Moodle	https://lms.jspmntc.edu.in
DCD cell	https://jspmntc.edu.in/NAAC_videos/Criteria-VII/7.3.mp4

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
9	8.29	4.5	4.27

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)

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) The institute has developed a standard methodology for utilization maintenance of all physical, academic support facilities available in the campus. Laboratories: The labs in the institute are administered by Laboratory In-charge (a faculty) and Laboratory Assistant. In case of any maintenance/repairs, the Laboratory In-charge initiates the appropriate corrective action in consultation with the HOD/Director of the institute. Utilization of support facilities: The infrastructural and resources utilization of the institute are administered by the Dean/HOD and Director. Faculty is allowed to put up to the Director of the institute through Dean/HOD requirement if any with regards to extension, renovation, alteration, relocation etc. of the available resources and facilities. Sport / Ground Maintenance A faculty designated as Director of Physical Education is assigned the responsibility of maintaining sports accessories and supporting accessories

of indoor and outdoor games. Maintenance of ground, sport kits and all consumable items are brought from outside vendor as per the requirement. House Keeping of classrooms, laboratories and the entire institute campus Institute has in-house house-keeping team which looks after all the cleanliness of the classrooms, laboratories and the entire institute campus. IT Facilities Institute has appointed Computer Technician to maintain the IT facilities in the Institute which includes maintenance of computers, LCD Projectors, Printer, Scanner and other peripherals. Electrical Maintenance All the electrical maintenance of the peripherals, equipments, infrastructure and power related resources available in the institute is carried out by electrician hires from outside as and when required. Garden Institute had a team of gardener to take care of garden, lawn and the indoor plants placed at various locations in the institute.

https://assessmentonline.naac.gov.in/storage/app/hei/SSR/101971/4.4.2_1542443893_2162.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	NIL	0	0
Financial Support from Other Sources			
a) National	Free ship, Scholarship	2264	105860130
b) International	NIL	Nil	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
Career Counseling	24/07/2019	48	Mr. Imran Mulani L T infoTech, Contact: 92236 21234
Career Counseling	22/07/2019	44	IT IDOL MTPO, Contact: 997549622
Career Counseling	17/07/2019	64	Amol Aher Kasnet Technology, Contact: 8698833110
Career Counseling	07/11/2019	55	Ms. Vashnavi Bavikar IT Infotech, Contact: 9359554534
Guidance for competitive examinations	28/06/2019	80	Gate academy, Shivaji nagar, Besides R.T.O office - 020-25530424, 9225504097

Guidance for competitive examinations	26/12/2019	20	In House (Prof. Vipul Mahindrakar, Contact: 9595952524)
Guidance for competitive examinations	03/11/2020	100	Mr. Amulya Ratan, Vani Gate academy Shivaji nagar, Besides R.T.O office - 020-25530424, 9225504097
Guidance for competitive examinations	29/08/2019	46	Gate Forum Office no 18/19, First floor, C wing, Shrinath Plaza, Dyndeshwar Paduka Chowk, FC road, Shivaji Nagar, Pune 411001 Contact : 9561133868
Guidance for competitive examinations	03/11/2020	36	Mr. Amulya Ratan, Vani Gate academy Shivaji nagar, Besides R.T.O office - 020-25530424, 9225504097
Guidance for competitive examinations	28/06/2019	64	Mr. Pradip Gaikwad, I.C.E Gate Institute, Bangalor, Contact: 086058 60525
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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
2019	Competitive examinations	346	Nil	6	Nil
2019	Career Counseling	Nil	2328	Nil	262
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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
Nil	Nil	Nil

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
Tata Consultancy Services - Digital, Tata Consultancy Services, Sankey Business Solutions Pvt. Ltd., Fiserv, etc	1344	262	First Cry	3	1
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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
2020	1	UG	Mechanical Engineering	MIT, Kothrud, Pune	MTech-CAD CAM
2020	1	UG	Mechanical Engineering	JSPM NTC Pune	ME Design
Nil	1	UG	Mechanical Engineering	Walchand College of Engineering	Heat Power Engineering
2020	3	UG	Mechanical Engineering	JSPM NTC Pune	ME Design
2020	2	UG	Mechanical Engineering	Concordia University, University of Ottawa.	Master of Engineering in Industrial Engineering Master of Engineering Mechanical Engineering
2020	3	UG	Mechanical Engineering	University of Toronto, Concordia University, University of Windsor	Department of Mechanical & Industrial Engineering
2020	2	UG	Mechanical Engineering	SRH University, Hamm,	Department of Mechanical

				Germany ISM University, Frankfurt, Germany	Engineering
2020	2	UG	Department of Computer Engineering	SGVU	MBA
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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
GRE	2
GATE	1
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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- Kabbadi	Institutional	8
Sports- Football	Institutional	11
Sports-Cricket	Institutional	11
Reverse Coding Competition	Institutional	162
Quiz Competition	Institutional	10
Cultural- Singing	Institutional	12
Cultural- Fashion Shows	Institutional	5
Cultural- Dance	Institutional	10
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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	AIVSC-2019	National	1	Nill	MH18SDF9 70175	Sandip Shinde
2020	IGC(VSC)	National	1	Nill	MH18SDF9 70175	Sandip Shinde
2020	CATC-722	National	1	Nill	MH18SDF9 70175	Sandip Shinde
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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 Students Council (SC) provides programs, activities and services which serve the co-curricular, cultural, social, recreational and educational interest of students at the University and Colleges. It contributes to the development of students leadership skills and experience, program planning and

development, volunteering, and fiscal management. Following is the narrative of functions and events conducted by various Committees: 1. Student's Council: Under section 40(3) of Maharashtra Universities act, 1994, this council is established every year in the Institute and it performs its duties prescribed. 2.: This committee co-ordinates various cultural activities and events throughout the year "AKRUTI" is annual social gathering which showcases cultural talent of students. Our students participate in prestigious intercollegiate competitions such as Firodiya Karandak, SPPU Karandak every year under JSPM Art Circle and bag Prizes. 3. This Committee organizes inter-departmental sports events. Our students actively participate in various sports in inter collegiate, inter university, state level. 4. Annual magazine will be published by Magazine committee. Students express their talent in the form of articles, poetry etc. This exercise imbibes societal values in students. 5. Technical Activities: Every Department is having active Student's associations like CESA (Civil Engineering Student's Association), FESA (First Year Engineering Student's Association), MESA (Mechanical Engineering Student's Association), ETSA (Electronics and Telecommunication Engineering Student's Association), and ACES (Association of Computer Engineering Students). These associations conduct various programs such as Expert lectures, Technical Quiz Competitions. Institute organizes an event Technovision every year which involves various technical activities like Paper Presentation, Technical Quiz, Robo War, Model Making etc. Each department organizes these events which motivate students to take part and enhance their technical ability. These events are recognized on State and National level. There are various committees for technical events like BAJA, SUPRA, Go-kart etc. Team of students' carryout various tasks at National and International level. Library committee: Student representation on the library committee is another avenue for the students to put up their demands about learning material which may include availability of material in time and quantity. Also, this representation helps the students to express the problems faced by them (if any) and utilization of library resources. 7. Academic Administrative Bodies: The student representatives are in almost all academic and administrative bodies of the institute such as Departmental associations, Student's council, Placement Cell, NSS, Student welfare. 8. Role of Student Representatives: Disseminate the data from the institute authorities to all understudies. Organizes Technical, Co-Curricular and Extracurricular activities. Organizes social events like NSS Camps, Road Safety Show, Green Pune Clean Pune, and Tree Plantations. To keep helpful and ragging free atmosphere in girl's hostel and institute premises. 9. EDC Cell: EDC cell motivates the students to develop the entrepreneurship qualities and produce successful entrepreneurs along with leadership qualities to enhance the ethical business practices.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institute has a registered Alumni association numbered MH/1234/2017/Pune dated 28/08/2017. The Alumni association contributes actively to the welfare of the institute. Activities: • Alumni meet is organized once in a year for maintaining harmony among the alumni and the institute. • Alumni are invited for many events in the institute to witness the progress and also to share their experiences. The contributions of the Alumni Association for institutional, academic and infrastructure development are: • Many alumni assist the students through guest lectures, motivating the students by sharing their practical knowledge. • Alumni meet provide a common platform for exchange of ideas and disseminating knowledge in professional areas. • They guide the students to pursue higher studies. • Few alumni extended assistance and cooperation to the institute in its endeavors for the growth and development of

institute. • Alumni Association has come forward to assist both in placement activities and quality improvement of both students and faculty members by concreting the relationship between industries and the institute. • Alumni assist the student for the internship program. • They also give the opportunity to work on live projects through sponsorship.

5.4.2 – No. of enrolled Alumni:

2926

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

222000

5.4.4 – Meetings/activities organized by Alumni Association :

1

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)

The Institute delegates authority and provides operational autonomy to the staff members to work towards a decentralized governance system. The Institute delegates authority for efficient implementation of the policies regarding teaching load distribution and allotment of portfolios to different staff members. Also student assessment and evaluation is delegated to Academic Coordinator. The Director is always open to discussion with the teaching and non-teaching staff which, in turn, encourages the involvement of the staff for the improvement of effectiveness and efficiency of the Institutional progress.

There are various committees constituted to manage different institutional activities. Sr.No. Committee/Designation Responsibilities

- 1 IQAC Coordinator Monitoring quality aspects of activities undertaken
- 2 Academic Coordinator Monitoring all academic activities on daily basis
- 3 Guardian Faculty Member Monitoring and motivating student activity
- 4 Time Table Coordinator Prepare time table of three years including all subjects
- 5 Chief Examination Officer Smoothly conduct internal exam and university exam
- 6 Project Coordinator Guiding students on Summer Internship Projects

Case study: Academic Monitoring Committee (AMC) Procedure

1. AMC monitors the teaching learning process. It prepares the academic calendar of the institute which is a reflection of University academic calendar that includes curricular, co-curricular and extra-curricular activities.
2. Academic calendar is meticulously planned and prepared in advance by AMC coordinator and ensures the proper implementation of the academic calendar.
3. Head of the department is responsible for confirmation and observation of academic activities.
4. AMC coordinator confirm lab and course file audit, does defaulter counseling, takes action against findings, issues appreciation and show cause notice.
5. Departmental AMC does lab and course file audit before commencement of semester and in the middle of semester, random confirmation of attendance once in a month, ensures student and faculty uniform and ID card and takes action on defaulters and gives feedback to AMC.
6. Departmental AMC prepares daily attendance report of each class and submits it to AMC twice a day.
7. Class In-charge ensures smooth conduction of practical and lecture of class, Prepare roll call list, does result analysis, takes feedback and syllabus coverage after 15 days, does student counseling and undertaking two times and takes monthly attendance.
8. Class In-charge conducts average, weak and advance learner activity at class level and gives feedback to department AMC.

1. GFM does batchwise student list, collect students bio-data and conducts meeting with student to resolve their problems. The students whose attendance/performance is poor are identified by

the GFM and the same is informed to the parents through telephonic conversation and by post. 2. GFM collects student participation certificate, undertaking, declaration and leave forms and keeps record of Parent meeting and gives feedback to class In-Charge

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	<p>Here the worthy and important to mention that the institution is affiliated to SP Pune University. The syllabus of every subject to be taught in all affiliated colleges is designed, formed and developed by the board of studies of each subject formed at university level and the same syllabi are executive and followed in every college. The faculties from Institute are participating in the process of syllabus revision. The suggestions regarding the curriculum are conveyed to the University Authorities.</p>
Teaching and Learning	<p>For the quality improvement in teaching and learning and for effective implementation in the institute, the institution has adopted the following strategy during the current academic session. With the initiation of academic session the HOD/Dean in discussion with Director make allotments of work load in proportion to students strength for each subject taking in to consideration the faculty available for each subject which insure the quality of teaching and learning. Each department prepare teaching plan. Lectures and tutorials are conducted as per the workload allotted. For quality improvement group discussion, question-answer method, seminars are conducted in class by every subject faculty. To make teaching and learning process more interesting and effective faculty make use of ICT facilities and other teaching aids. The Teaching Learning process is made effective by using the innovative methods and practices like quiz, role play, models etc. The focus is given on experiential learning through case studies and sponsored projects, participative learning in terms of delivering a seminar, Project Based Learning.</p>

<p>Examination and Evaluation</p>	<p>The process of continuous evaluation is employed through various tools like, assignments, online multiple choice questions, unit test and group discussion, practical and preliminary examination. Continuous evaluation helps the student to deal with subject matter, alternative and creative solutions to situations and communication skills. Laboratory work assessment and mock orals are conducted regularly. This provides basis to judge students performance. In addition to conventional method of evaluation, group discussion, field studies, debates, seminars, study tours, competition on different topics are used for indirect assessment. Result analysis of internal assessment is carried out to know PO fulfillments which help to improve the student's progress. Evaluation is based on outcome. Multiple Choice Questions (MCQs) online process has made it possible to convey each and every candidate about their exact performance. This has enhanced effectiveness, efficiency and transparency in the process. Unit test is one of the most used reliable tests to evaluate the performance of students. Continuous assessment is introduced for practical assessment. Preliminary Examination ensures preparation of students for final evaluation. These formative and summative approaches adopted by the institution to measure student achievements have resulted into, Better participation of students in teaching learning process. Improvement in Outcome.</p>
<p>Research and Development</p>	<p>Staff members are motivated to submit their research proposal to different funding agencies, publish their papers in the reputed journals, peer reviewed journals participate in seminar and workshop. Financial assistance is given to attend the conference and workshop. Institute developed a R and D cell, Cohort Cluster and Incubation center to accelerate the interdisciplinary research</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>The Institute has well stocked library with all the facilities along with a reading room. The students and facilities are motivated to nurture the</p>

culture of reading. Different events are conducted like Library Day in the Library. Every week the reader of week is announced which inspires other to read.

Human Resource Management

The Institute offers following facilities to the teaching and nonteaching staff. Group insurance scheme for teaching and non-teaching staff. (policy no-161000421P115741004) Various leaves available to teaching staff are vacation leave, casual leave, medical leave and maternity leave for ladies staff. Employee Provident Fund for staff. Loan facility is available for institute staff through Jaywant Multistate Cooperative Society. Ambulance service is available in campus. Institute provides uniform to non-teaching staff. Institute provides residence to non-teaching staff. All the policies are available to all staff.

Industry Interaction / Collaboration

The Industry Institute Interaction Cell is active and always strive for increasing the industry association. The planning and implementation of the following processes is continuously done in the institute. 1. Signing the MOU with different Industry 2. Organization of the various events like expert talk, workshop from the industry experts 3. Sending students for internship 4. Working on the industry sponsored projects 5. Faculty training

Admission of Students

Institute has adopted teaching-learning process as student centric system. This demands changes in available teaching-learning material. The major challenge to make available teaching-learning material for students was to train faculties to develop the corresponding material. The required training is imparted to the faculty through 'FDPS'. The required infrastructure for developing such teaching learning material is made available at the institute. This infrastructure includes high end multimedia PCs, software like Moodle, web cameras, etc. With the available resources faculty members have designed and developed interactive teaching-learning material suitable for student centric system. The adaptation of these resources has exhibited improved interest of faculty members and

students in updating the course content. Students were observed to be involved highly in learning process which reflects the success of this improving teaching learning material adaptation. The need of advance learners is also taken care by making the facility available to them for registering and attending various MOOCs as per their interest and recommendations by the concerned faculty members. This has provided opportunity to the advanced learner to get certified through global agencies and has widened the possibility of getting employed with the best employer.

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

E-governance area	Details
Planning and Development	The institute has Management Information System called eSamanway which is developed in house. This System eases the maintenance of faculty personal details including faculty qualification, experience, Project guidance details, etc. The system has student information module which contains the academic and personal information about the students. This module turns out to be extremely useful for the Guardian Faculty Member (GFM) Scheme for tracking student attendance and academic progress as well as for the result analysis. Following modules are available in eSamanway: 1.Course Information System 2. Placement Information System 3.Student Information System 4.Faculty Information System.
Finance and Accounts	Tally ERP 9 is used for all the routine work of the Finance and Account department. The details of all the financial transactions managed through the Tally ERP 9
Student Admission and Support	The Directorate of Technical Education (DTE), Maharashtra facilitates the admissions process. The software developed by MH-CET cell is used to complete the admission process smoothly.
Examination	MOODLE (Modular Object-Oriented Dynamic Learning Environment) is a learning management system that is being utilized by our institution to present information and learning

experiences for the students. The Moodle platform is an Open Source Learning Management System, mainly aimed at improving the quality of teaching-learning experience and at enhancing flexibility slightly reducing class time. Moodle software is very useful to the Students, Faculty and Management for effective teaching-learning process. Everyone has his/her personal login id and password. Every faculty of the institute uploads study material on Moodle through their login. The assignments and unit test conducted regularly using the Moodle Platform. The assessment also done on moodle and it is available to the Students. The Savitribai Phule Pune University (SPPU) provides support for online recordkeeping of student assessment and results

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
2019	K.S.Rambhad	International conference on advanced in Mechanical and Electrical Engineering ICAMEE-19	NA	2500
2020	Prof. D. D. Mohite	Sustainable Innovation in Civil Mechanical Engineering (ICSICME-2020)	NA	3000
2019	Dr.S.S.Solanki	Innovation in IT and Management 5th International Conference on	NA	1500
2019	S.J.Mane	Workshop on Nanoelectronics, Nanobioelectronics, Nanomaterials	NA	500
2019	K B Jadhav	Faculty Orientation workshop on SE	NA	500

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)
2020	Faculty Awareness program on NAAC Revised Accreditation Framework 2020(online mode)	NA	11/05/2020	16/05/2020	468	Nil
2019	Faculty Development Programme in Data Science	NA	14/09/2019	19/09/2019	133	Nil
2020	NA	One Day Workshop on Computer Hardware troubleshooting and Installation	29/02/2020	29/02/2020	Nil	16
2020	Python Programming and Fuzzy System	NA	18/05/2020	22/05/2020	278	Nil
2020	FDP on Discrete Mathematics "	NA	13/07/2020	13/07/2020	70	Nil
2019	FDP on Project Based Learning and their Outcomes	NA	05/08/2019	07/08/2019	14	Nil
2020	ONE DAY WORKSHOP	NA	12/05/2020	12/05/2020	56	Nil

	ON RESEARCH/REVIEW PAPER WRITING (ONLINE MODE)					
2020	NA	One day workshop on "Inter-personal and Effective communication"	04/01/2020	04/01/2020	Nil	32
2020	FDP on Report writing using Latex	NA	11/05/2020	16/05/2020	16	Nil
2019	FDP/workshop on Finite Element of Analysis using ANSYS R13 Workbench software	NA	25/11/2019	27/11/2019	26	Nil
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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
Python programming and Fuzzy System	6	18/05/2020	22/05/2020	5
Waste water Treatment Recycling (NPTEL-AICTE)	1	01/10/2020	30/11/2020	60
QCAD	2	09/05/2020	13/05/2020	5
Outcome Based Education:- A step Toward Excellence	2	11/05/2020	15/05/2020	5
Research Paper Project Writing	1	15/05/2020	16/05/2020	2
Online Faculty Development	1	08/06/2020	13/06/2020	6

Program on Scilab				
Recent Trend Scope in Civil Engineering	1	02/06/2020	04/06/2020	3
FDP On Rubics data Science	3	15/10/2019	19/10/2019	5
FDP On Report Writing using Latex Software	7	11/05/2020	16/05/2020	6
Web Designing Course Org.by Com.Dept,MIT Alanadi	1	18/05/2020	22/05/2020	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
161	Nil	127	Nil

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
5	5	3

6.4 – Financial Management and Resource Mobilization

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

1. The institute has developed and adopted a transparent mechanism for budgetary preparation, provisioning and auditing leading to effective utilization of resources. The institute has mechanisms for internal and external audit. We have our own internal audit mechanisms where internal audit is an ongoing continuous process in addition to the external auditors to verify and certify the entire income and expenditure of the institute each year. 2. Qualified internal auditors from external resources have been permanently appointed and a team of staff under them do a thorough check and verification of all vouchers of the transactions that are carried out in each financial year. Likewise external audit is also carried out in an intricate structured way on quarterly basis. 3. The institute accounts are audited regularly by internal and statutory audits. So far there have been no major findings/ objections. Minor fallacies of lacuna and oversight when pointed out by the audit team are immediately corrected / recruited and precautionary steps are taken to avoid recurrence of such errors in future..

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
Managemnt	1732093	Sports, Cultural activities, Student Welfare
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6.4.3 – Total corpus fund generated

200

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	Yes	Agency Appointed by Principal	Yes	IQAC
Administrative	Yes	Agency Appointed by Principal	Yes	IQAC

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

Parent teacher meet is held to discuss and interact with parents. 2. Parents provided with valuable suggestion for development of the institution.

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

1. Computer skills development program was organized. 2. Communication and aptitude skill development program also conducted. 3. Stress Management workshop

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

Preparation of NBA ISO Certification Increasing Industry Institute Interaction

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	Yes
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	PMMMNTT Faculty Development Programme in Data Science	14/10/2019	14/10/2019	19/10/2019	133
2020	Faculty Awareness program on NAAC Revised Accreditation Framework 2020 (online mode)	10/05/2020	11/05/2020	16/05/2020	468
2020	FDP on Project Based Learning and	05/08/2020	05/08/2020	07/08/2020	14

	their Outcomes				
2020	ONE DAY WORKSHOP ON RESEARCH/REVIEW PAPER WRITING (ONLINE MODE)	04/01/2020	04/01/2020	04/01/2020	32
2020	FDP on Report writing using Latex	11/05/2020	11/05/2020	16/05/2020	16
2019	FDP/workshop on Finite Element of Analysis using ANSYS R13 Workbench software	25/11/2019	25/11/2019	27/11/2019	26
2020	Two days workshop on pre-processing using hypermesh	10/01/2020	10/01/2020	11/01/2020	112
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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
Women Empowerment and safety	25/01/2019	25/01/2019	6	45
Art Circle Activity 2019	16/03/2020	16/03/2020	8	6
Women's Day	09/03/2020	09/03/2020	15	35
Self Defence Workshop	07/04/2020	07/04/2020	12	47
Health Awareness	22/06/2020	22/06/2020	14	8
Green Pune and Clean Pune rally	25/01/2020	25/01/2020	16	72

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

25.09

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	Yes	Nil
Ramp/Rails	Yes	Nil
Braille Software/facilities	Yes	Nil
Rest Rooms	Yes	Nil
Scribes for examination	Yes	Nil
Special skill development for differently abled students	Yes	Nil

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	1	Nil	Nil	1	Nirmalwari	Students worked in a management system to execute the solution provided for social problem related to cleanliness.	15
2019	1	Nil	Nil	1	Tree Plantation	To sensitize the students towards their societal commitment and in the return	40

						help the nature.	
2019	Nil	1	Nil	1	Ganesh Visarjan	Control the crowd management on Ganesh Visarjan	25
2019	Nil	1	Nil	1	Nisargava on the Occasion of Engineers Day	Tree plantation Grass cleaning to reduce conflagration in the summer season work is done	25
2020	Nil	1	Nil	1	Blood Donation	Activity is conducted in association with MANAS Blood Bank	80
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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)
NIL	Nil	Nil

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Yoga Day	21/06/2019	21/06/2019	100
Tree Plantation	07/08/2019	07/08/2019	40
Ganesh Festival 2019	02/09/2019	12/09/2019	275
Mahatma Gandhi Rally	02/10/2019	02/10/2019	100
Blood Donation Camp	17/02/2020	17/02/2020	120
Speak For Nation	30/01/2020	30/01/2020	69
View File			

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

1. Tree Plantation carried out. 2. Paperless office implemented. 3. Plastic free campus. 4. Use of alternative sources of Energy like solar. 5. Use of LED

to reduce the power consumption.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice I: 1.: Learning through competition. The institute devotes to imbibe skills development among the students to enhance the employability and the various skills such as leadership, marketing, time management, team building, team work etc. The technological changes in the world need to trigger and match the pace of engineering education. 2. Objectives: To develop the design skill and problem solving capabilities. To increase the team building activity To improve leadership quality and management skills. To enhance employment and entrepreneurship ability. To improve decision making ability. To enhance manufacturing skills of students. To improve marketing skills. To enhance purchasing and costing capabilities. To identify the appropriate tools for various operations. To select appropriate manufacturing process. 3. Context: Institutes vision is to impart quality education and to minimize the gap between theoretical and practical knowledge in tune with the vision, priority and thrust, the institute consistently provides motivation, support, and platform for students to inculcate entrepreneurial, leadership, project management and multidisciplinary skills for enrichment of technical competency. Institute is distinctive in providing global platform to student's team to participate in national and international competitions like go-kart and supra, this platform helps students to deal with conceptualizing, designing, fabricating and testing the prototype which helps to minimize gap between theoretical knowledge and practical knowledge. The institute provides necessary financial assistance and resource every year to strengthen such activities. Due to regular schedule of academics selecting the right candidates and formation of the team for the activity is really a tough task due to shortage of time. In spite of busy academic schedule and shortage of time we had to put in extra hours for the manufacturing of Kart. Design of various components as per rule book is a challenging work. Non availability of machines such as Hydraulic bending machine, Notching machine, Laser cutting machine leads to delay in manufacturing activity. Non availability of testing track. Non availability of fixture for steering testing. Wire harnessing and its mounting is a big challenge in this activity. In spite of all these challenges the team put in their best efforts and provided solutions to all these faced challenges. The entire project is completed in the stipulated time frame and also ready to participate in the competitions. The teams of "Black spanners" (Go-kart) and "Iron Head" (SAE Supra) are in action since 2015. This team participates in various national and international events. Teams consistently are representing our institute in various national level events. 4. The Practice All students are informed well in advance by circulating notice regarding formation of team. Schedule of interview is displayed on notice board. Interested Students are interviewed to identify their various technical skills such as hands on design, manufacturing, documentation, modeling, presentation, analytical capabilities. Based on interview results team of passionate and enthusiastic members are finalized. Team is divided into various departments such as design, manufacturing, transmission, brake and documentation. Once departments are finalized various tasks are given to them. Various components are designed as per the criteria laid by rulebook. Selection of material is done based on design and analysis. According to material required, availability of material is checked in the market and quotations are invited from vendors for selecting appropriate vendor. For Cost optimization of the project we compare all quotations of different vendors. Thus we select the specific vendor with good quality material and finalize. Initially we manufacture the chassis of Kart by considering ergonomics and safety of driver. Various mountings such as bumpers, engine, driver's seat, steering wheel, brake are mounted on chassis. After

mounting various components on chassis we perform various tests such as impact tests, crash tests, turning radius tests etc. Along with these tests we also perform tests such as skid pad, acceleration, autocross and brake tests on road. Based on tests results we identify drawbacks and provide solutions to overcome the drawbacks. After carrying out multiple tests and implementing the solutions we conclude our Kart to be fit for the competition. We register for various National and International competitions which are organized all over India. General flowchart of event activities is as follows, 5. Evidence of Success: We have won Best innovation award at Trinity College of Engineering Pune in 2015-16, which indicated the innovative capability of our team and showcased their team building ability. We have won Best CAE award at Zeal College of Engineering Pune in 2016-17, which indicates enhancement in analytical skills of students. Endurance 1st runner up in Zeal Drag 2.0, at Zeal COE Pune in 2017-18, which indicates enhancement in design and foresight of the team to ensure the smooth operation of the kart. Semi-finalist in International Series of Karting, Vishakhapatnam in 2017-18, which showed our outstanding design skills and capabilities and also boosted the moral of the entire team and showed their entrepreneurship abilities. Participation in SAE Supra organized at International Buddha Circuit, at Delhi during 2017-18, which indicates their foresight to compete at national level and exhibit their excellent design work. The success of Go Kart and Supra activities has shown the decision making ability of each team member. Selection of appropriate manufacturing method and carrying out various operations indicates enhancements in manufacturing skills. Presentation of business plan leads to development in marketing skills. Selection of right vendors leads to enhancement in purchasing and costing capabilities of the students. 6. Problems Encountered and Resources required:- Design and analysis of various components in compliance with rule book was a big challenge due to cost effectiveness and viability of the project. We had to ensure that the components, materials selected for the project must be reliable, durable and within budget, as such Selection of materials for various components was a big challenge. Due to time constrain and also selecting the right member for creating the Best Team for the project screening of the right candidates for their best skills was Critical and challenging task. Team members also had to be trained in the shortest period of time due to given stipulated time frame. Due to Non availability of machines such as Hydraulic bending machine, Notching machine and laser cutting machine at Institute, getting these tasks done from outside agency consumed lot of time which lead to delay in manufacturing activity. Due to tight academic schedule and time constrain Short time span is available for the activity. For technical guidance skilled and experienced faculties from various specializations are required. For Design and Simulation of Various components high end design softwares like ANSYS, Hyper mesh etc. are required to be installed to check the feasibility of the components. Various machines and machine tools such as welding machines, grinding machines, drilling machines are required for the manufacturing of the components of the kart. Skilled and technical manpower is required. Standard Design Data Books and Reference books of various subjects are required. 7. Motivation: Students get an opportunity to display their talent, technical skill and managerial skills. Awards and appreciation from various national and international organizers. Appreciation by Faculties and college management. Distinct financial assistance and resources availed by the institute for the Go-Kart and Supra activities. Team members also had to be trained in the shortest period of time due to given stipulated time frame. Due to Non availability of machines such as Hydraulic bending machine, Notching machine and laser cutting machine at Institute, getting these tasks done from outside agency consumed lot of time which lead to delay in manufacturing activity. Due to tight academic schedule and time constrain Short time span is available for the activity. For technical guidance skilled and experienced faculties from various specializations are required. For Design and Simulation

of Various components high end design softwares like ANSYS, Hyper mesh etc. are required to be installed to check the feasibility of the components. Various machines and machine tools such as welding machines, grinding machines, drilling machines are required for the manufacturing of the components of the kart. Skilled and technical manpower is required. Standard Design Data Books and Reference books of various subjects are required. 7. Motivation: Students get an opportunity to display their talent, technical skill and managerial skills. Awards and appreciation from various national and international organizers. Appreciation by Faculties and college management. Distinct financial assistance and resources availed by the institute for the Go-Kart and Supra activities. Best Practice II: 1.: Yoga - Way to satisfy the aspirations of Youth Force. The Sanskrit word YOGA" actually means union with the divine. Institute practices YOGA and Meditation program which aids in improving the overall performance, communication, boosting confidence and focused attention, enhancing creativity and learnability that helps in developing student's leadership and team building skills. Most importantly, it helps in creating harmony and a sense of belongingness in the college campus, amongst students, teachers and the management. 2. Objectives: To inculcate Ethics Moral values in student paving the way for improved academic performance. To enhance the ability of the students to handle stressful conditions. To improve relationship between teachers students. To develop an attitude of sensitivity sensibility towards their living environment (i.e. Hostels / Campus).

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

<https://jspmntc.edu.in/pdf/BestPractices/BestPractices2019-20.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 thrust in not more than 500 words

Institutional Performance in Digital Content Development to Its Vision, Priority and Thrust: Digital learning solution satisfies aspirations of youth force through Techno-Economic Development by enabling them for Continual Learning and from any location any time on any platform and any device. Traditional Educational Resources such as Textbooks, Workbooks and PowerPoint Presentations are flat and are old methods while some advances have been made, such as introducing more video into classrooms and introducing additional practical e-based learning activities. The benefits of educational content that are developed are interactive based on digital environments that utilizes multiple tools within the platform in order to go beyond increasing engagement in students and decreasing upkeep costs for institutions. Students who engage with digital learning environments that are thoughtfully designed and presented in innovative ways are more likely to retain more information and perform better academically. Diversifying content presentation brings the tools beyond a simple "book behind glass" concept and allows learners to interact with content that otherwise might have been a static image in a textbook (whether analog or online) or a slide in a PowerPoint presentation. Some of Interactive Content Development Objects: • Course Presentation • Interactive Video • Memory Game • Flash Cards • Image Pairing • Image Sequencing • Image Slider • E-Book • Time Lines • Drag and Drop • Fill in the Blanks • Questionnaire • Quiz • Impressive Presentation Deploying these tools within an app allows students to connect with, experiment, quiz themselves on and dive deeper into the content presented. By implementing interactive tools in educational content development and production, great learning apps can be created for any subject, discipline or learning level and can serve a diverse range of student populations. Facilities Available:- Video Recording Studio Video Editing Studio Learning Management System For Dissemination of Content Developed Activities Carried out

For Training of Faculties for Content Development and Workshops Conducted for Content Development:- 1. A 2-Days Workshop for Interactive Content Development 2. Aptitude and Reasoning Video Lecture Capturing and Content Development 3. Interactive Content Creation Workshop for First Year Engineering Courses 4. Video Lecture Creation done for all the subjects of Engineering, MBA and MCA and it is made available to the students in online mode. They can use it at anytime and from anywhere. Out off many video's few video's are listed as shown below and these are made available on YouTube channel as well: Sr.No. Name of the Department Video lecture links 1 First Year Department <https://youtu.be/OMWGuwfwGlc> <https://youtu.be/mzzc6iCS5r4> <https://youtu.be/pjeS0h-MIFE> 2 Computer Science <https://youtu.be/ge68qH1aKBc> <https://youtu.be/ge68qH1aKBc> 3 Civil Engineering <https://youtu.be/RJpD0cnDzlc> <https://youtu.be/zj-WjIy0PXY> 4 Mechanical Engineering <https://youtu.be/i7qYtvJvoNA> <https://youtu.be/XQZSy7yy1vQ> <https://youtu.be/HTrncBsd8oY> <https://youtu.be/W6jpbijvSHM> <https://youtu.be/lt4pUqjKC6o> <https://youtu.be/zf0Krl07qyg> 5 Electronics and Telecommunication <https://youtu.be/BTAfuvJXddQ> <https://youtu.be/kFHgBNgYZUg> 6 MCA <https://youtu.be/AnwYxsdLmgs> <https://youtu.be/2SK64edFcws> 7 MBA <https://youtu.be/Y6feldYavJU> https://youtu.be/IXKDOcDA_g0 Fig.1 shows the digital content development cell. Process, Steps and Role and Responsibilities In Development Of Digital Content Development Subject Coordinator a) Adoption of UGC model curriculum for UG course. b) Subject Mapping -Overview on Papers/Topics/Modules. c) Identification of Subject Experts and allotment of Papers/Topics/Modules. d) Vetting of Academic Script provided by Subject

Provide the weblink of the institution

<https://jspmntc.edu.in/pdf/Distinctiveness/Distinctiveness-2019-20.pdf>

8.Future Plans of Actions for Next Academic Year

We at JSPM Narhe Technical Campus have a procedure to carry out the SWOC analysis after every two years to chalk out the future plan of action to work on Opportunities, Weakness and Challenges and also strengthen the strengths. The Parameters considered for analysis are 1. Curricular and Co-curricular activities 2. Training and Placement activities 3. Industry Institute Interaction 4. Infrastructure Facility 5. Extra Curricular Activities After going through the detailed analysis of all the stakeholder response following Future Plan is chalked out. 1. Starting the preparation for NBA 2. Implementation of Outcome Base Education as per the new NBA guidelines 3. Training of faculties on OBE and NBA 4. Developing a Module Coordinator concept for quality assurance in Teaching Learning Process 5. Maintaining the consistency of good academic results 6. Increasing the Industry Institute Interaction for internship, training and placement activities of students