Yearly Status Report - 2018-2019

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. Mhalskant .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://www.jspmntc.edu.in/ssr.php

4. Whether Academic Calendar prepared during the year

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 2018-19.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

6. Date of Establishment of IQAC	**01-Jun-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
FDP on Teaching methodology and Learning	**10-Jun-2019** **5**	**102**

materials development		
One day Workshop on Research Paper / Review Paper Writing	16-Apr-2018 1	38
STTP on Intelligent Soft Computing Technique	10-Dec-2018 5	98
FDP on AUTODESK Inventor	28-May-2018 5	35
One day workshop on finite element analysis using ANSYS	23-Feb-2019 1	112
A workshop on Advance Internet Technology	10-May-2018 3	68
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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	2019 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. System for record keeping and maintain the documents Skill development and training program for students to increase the placement of the students. Training program for non teaching for enhance the personal skill.

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
Daily monitoring the attendance of students by the AMC	The average attendance increased in turn the improvement in academic result I sseen
Formation of module / domain committees for improvement of Teaching Learning Process and develop interdisciplinary research culture	The teaching learning process got improved. Teachers using innovative approaches in teaching . Improved the academic result
Motivate students to take part in to different competations	The number of students participating in competations like Baja Suprta Gokart Hackethon KPIT Sparkle increased. Students also won the prizes at National and International Level
Organization of the Soft skill training programs for the students	Students got the additional required soft skill tarining. The number of students placed and highest pacgake increased.
To enhance the Industry, Institute Interaction.	Due to the Industry, Institute Interaction the placement of the students was increased.
To increase the number of students for internship training.	The number of students for internship is increased which gave the exposure to students about the working culture of industry and real time problems

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 ?	Yes
Date of Visit	29-Apr-2021
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	13-Feb-2019

17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	The institute has Management Information Systemcalled eSamanway which is developed inhouse. Thissystem eases the maintenance of faculty personaldetails including faculty qualification, experience,Project guidance details, etc. The system hasstudent information module which contains theacademic and personal information about thestudents. This module turns out to be extremelyuseful for the Guardian Faculty Member (GFM) Schemefor tracking student attendance and academicprogress as well as for the result analysis.Following modules are available in eSamanway: 1.Course Information System 2. Placement InformationSystem 3.Student Information System 4.FacultyInformation System. The eSamanway MIS is augmentedby various eGovernance tools such as, MOODLELMS,Tally ERP 9, and AutoLib for effective informationmanagement. In addition to these, the Directorate ofTechnical Education (DTE), Maharashtra facilitatesthe admissions process. The SavitribaiPhulePuneUniversity (SPPU) provides support for online recordkeeping of student assessment and results

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/entreprene urship	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
BE	Mechanical Engineering	15/06/2018
BE	Electronics & Telecomunication Engineering	15/06/2018
BE	Computer Engineering	15/06/2018
BE	Civil Engineering	15/06/2018
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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	15/06/2018
BE	Computer Engineering	15/06/2018
BE	Electronics and Telecommunication Engineering	15/06/2018
BE	Mechanical Engineering	15/06/2018

MBA	MBA	15/06/2018
MCA	MCA	15/06/2018
ME	Computer Engineering	02/07/2018
ME	E&TC (VLSI Embedded Systems)	02/07/2018
ME	Mechanical (Design Engg.)	02/07/2018

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
2D and 3D Solid Modelling using AutoCad	16/07/2018	24
Machine Learning	03/09/2018	7
Image Processing Using Python	12/02/2018	30
Modelling using AutoDesk Inventor	05/03/2018	30
Communication and Soft Skill	03/09/2018	50
Basics of Communications Employbility Skill Development	04/02/2019	37
Yoga for Mind and Body	03/01/2019	90
Artificial Intelligence	02/02/2019	23
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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	Civil Engineering	48
BE	Computer Engineering	20
BE	Electronics & Telecomunication Engineering	18
BE	Mechanical Engineering	121
MBA	MBA	108
MCA	MCA	23
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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	78	78
BE	Computer Engineering	60	56	56
BE	Electronics and Telecommuni cation Engineering	60	28	28
BE	MECH-I Engineering	120	96	96
BE	MECH-II Engineering	120	45	45
BE	ME -VLSI	24	5	5
BE	ME - Comp	24	5	5
BE	ME Design	24	6	6
MBA	MBA	120	120	120
MCA	MCA	60	38	38
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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	Number of students enrolled	Number of fulltime teachers	Number of fulltime teachers	Number of teachers

	in the institution (UG)	in the institution (PG)	available in the institution teaching only UG courses	available in the institution teaching only PG courses	teaching both UG and PG courses
2018	2400	672	123	31	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	Numberof smart classrooms	E-resources and techniques used
160	160	4	40	6	8
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 (GFM) is actively implemented in the Institute. There is a Mentor (GFM) for a group of students which is allotted by the HOD,Dean/Director at the start of academic year. Mentors (GFM) meet their mentees in every fortnight. During this meeting, the mentors interact with their mentees to discuss their issues, needs or support required. At the beginning of the academic session, the class 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, whereby 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 to curricular and extracurricular activities. GFM had a keen eye on their respective students for their overall development.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2400	160	1:15

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
143	160	Nill	31	26

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
Nill	NIL	Nill	Nill
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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-	Date of declaration of results of semester-

			end examination	end/ year- end examination
ME	675524520	2018-2019	11/05/2019	14/08/2019
ME	675524510	2018-2019	11/05/2019	14/08/2019
ME	675534110	2018-2019	11/05/2019	14/08/2019
BE	67551220	2018-2019	09/04/2019	18/07/2019
BE	675561280	2018-2019	09/04/2019	18/07/2019
BE	675561210	2018-2019	09/04/2019	18/07/2019
BE	675537210	2018-2019	09/04/2019	18/07/2019
BE	675524510	2018-2019	09/04/2019	18/07/2019
BE	675519110	2018-2019	09/04/2019	18/07/2019
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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 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 and 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 instructions by IQAC coordinator is then prepared. The calendar outlines the semester class work, internal examination, and end semester examination schedule, curricular, co-curricular and extracurricular activities. The HOD/Dean in consultation with Director assigns the courses/subjects based on faculty choice and area of specialization. Then faculty member prepares 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. The performance of the student is assessed on continuous basis as per guidelines prescribed by university. 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://www.jspmntc.edu.in/comp_detail.php

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
675519110	BE	Civil	143	124	87
675524510	BE	Compute	68	67	98
675537210	BE	ENTC	55	46	84
675561210	ME	MECH-I	283	250	88
67551220	ME	MECH-II	122	110	90
675534110	ME	ME -VLSI	7	5	71
675524510	ME	ME - Comp 1st shift	5	5	100
675560110	ME	ME Design	5	5	100
67559620	ME	ME Heat Transfer	8	2	25
675510110	MBA	MBA	124	111	89

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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%202018_2019.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)	0.55	0.55
Industry sponsored Projects	365	Bhairavnath suger works Ltd. (Sawant corner, 3rd	2.95	2.95

Industry sponsored Projects	730	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	1.3	1.3
Industry sponsored Projects	730	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	1.3	1.3
Industry sponsored Projects	730	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)	1.2	1.2
Industry sponsored Projects	360	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	1.25	1.25
Industry sponsored Projects	200	M/s. Nikhil Construction	1	1
Industry sponsored Projects	200	M/s. Nikhil Construction	1	1

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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
Advance Internet Technology	Master of Computer Application	05/10/2018
Design Analysis of Algorithm	Master of Computer Application	05/10/2018
Probability Combinatories	Master of Computer Application	16/10/2018
Python Programing	Master of Computer Application	13/03/2019

Seminar on Internship	Master of Computer Application	14/01/2019
One day workshop on finite element analysis using ANSYS	Mechanical Engineering	23/02/2019
ISTE -AICTE Intelligent soft computing	Computer Engineering	12/10/2018
How to make a mini project	Engineering Science	07/01/2019

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	Nill	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
JSPMNTC	Prashant Jagade	Z.P.Pune	Unemployed Engineer	Contractor	08/02/2018
JSPMNTC	Prashant Jagade	PWD, GoM	Unemployed Engineer	Contractor	19/12/2018
JSPMNTC	Shubham Nigade	PWD, GoM	Unemployed Engineer	Contractor	12/05/2019
JSPMNTC	Abhijit Gavali	Self	AJ Papercup Industries	Paper Industry	10/01/2018
JSPMNTC	Aniket Hallabhavi	Self	Apex Papieer,Pune	Paper Products Industry	20/04/2019
JSPMNTC	Ganesh Dhanorkar	Self	S K Fabricators and Erectors	Steel Fabrication	25/08/2019

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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
0	Nill

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	10	2.58
International	Electronics	6	1.35

	Telecommunication			
International	Computer Engineering	29	2.83
International	Mechanical Engineering Shift 1	9	Nill
International	Mechanical Engineering Shift 2	4	0.68

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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	1
Electronics Telecommunication Engineering	5
Computer Engineering	10
Mechanical Engineering	6

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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
A Reversable Surface Texture Synthesis Process based Steganography for large data embedding	Deepak Uplaonkar M A Rachurakar	International Journal of Creative Research Thoughts	2018	0	JSPM Narhe Technical Campus, Pune	Nill
Aups: A universal point-n-press system	Pallavi Patil	International Journal of Creative Research Thoughts	2018	0	JSPM Narhe Technical Campus, Pune	Nill
Combat data sparsity using spatial, hierarchical, collaborative Deep Learning	Prof. J. S. Kharat	The International Journal of Innovative Research in Science, Engineering and Technology	2018	0	JSPM Narhe Technical Campus, Pune	Nill

for user POI Recomm endation						
Refactor ing of code clone using prec ondition structure	Chaitanya S. Kulkarni	International Education and Research Journal	2018	0	JSPM Narhe Technical Campus, Pune	Nill
Comparat ive study of tubular and steel structure for a roof truss	Vishakha Padmawar	International Journal for science and advance research in technology	2018	0	JSPM Narhe Technical Campus, Pune	Nill
Estimation of Optimum Pipe Diameter Using Genetic lgorithm	P. M. Imdi	International Journal for science and advance research in technology	2018	0	JSPM Narhe Technical Campus, Pune	Nill
Various Surface Treatment Method and their effects on Properties of Recycled Concrete aggregate	P. M. Imdi	International Journal for science and advance research in technology	2018	0	JSPM Narhe Technical Campus, Pune	Nill
Design c onsiderati on for seismic foot bridge : A case study	Prof. D. A. Zamre	International Journal for science and advance research in technology	2018	0	JSPM Narhe Technical Campus, Pune	Nill
Concrete mix design with soft computing techniques using ACI	Prof. N. V. Chaple	International Journal for science and	2018	0	JSPM Narhe Technical Campus, Pune	Nill

and IS codes		advance research in technology				
A Review Study on Biogas Production	Prof. A. Sharma	International Journal for science and advance research in technology	2018	0	JSPM Narhe Technical Campus, Pune	Nill

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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
Groundwater Potential Zone Mapping using Geo-spatial Tools for Watersheds in Upper Bhima Basin, Pune, India	Patil, S. G. and Lad, R. K.	International Journal of Recent Technology and Engineering,	2019	Nill	Nill	JSPM Narhe Technical Campus, Narhe Pune
Detection And Analysis Of Cracks For Rating Of Flexible Pavements	Lad R.K.	Global Journal Of Engineering Science And Researches	2019	6	Nill	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune, 411018, Savitribai Phule Pune University, India.
Effect of organic loading rate on performance of continuous stirred tank	D. D. Mohite	Indian Journal of Environmental Protection	2019	5	Nill	VTU Regional Research Centre, Belgavi, Karnataka 590018

reactor operating on distillery effluent						
Dairy Waste Water Treatment by Using Root Zone Technology System as Tertiary Treatment	Jajoo Namrata Pankaj	International Journal of Innovative Research in Science, Engineering and Technology	2018	Nill	Nill	JSPM Narhe Technical Campus, Narhe Pune
Tertiary wastewater treatment with respect to root zone technology adopted as tertiary treatment for dairy industries : A review.	Jajoo Namrata Pankaj	International Journal of Innovative Research in Science, Engineering and Technology	2018	Nill	Nill	JSPM Narhe Technical Campus, Narhe Pune
Biological aerated filter: an advanced approach towards wastewater treatment	Raut Aniket Bhimrao	International Journal for Science and Advance Research In technology	2018	Nill	Nill	JSPM Narhe Technical Campus, Narhe Pune
Wind Effect on Multi-Storied Braced Steel Building	Zanjad Rohit Ramdas	International Journal for Science and Advance Research In technology	2018	Nill	Nill	JSPM Narhe Technical Campus, Narhe Pune
Seismic Analysis of Multi Story steel building with	Zanjad Rohit Ramdas	International Journal for Science and Advance	2018	Nill	Nill	JSPM Narhe Technical Campus, Narhe Pune

different bracing using ETABS Software		Research In technology				
Analysis of seepage through foundation of an impervious structure by finite element method	Muthekar Vijay V	International Journal for Science and Advance Research In technology	2018	Nill	Nill	JSPM Narhe Technical Campus, Narhe Pune
The interference effects of an upstream large pier on downstream small bridge pier.	Khaple Shivakumar Basawaraj	International Journal of Creative Research Thoughts	2018	Nill	Nill	JSPM Narhe Technical Campus, Narhe Pune
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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	12	6	4	30
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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
NSS Special Camp At Shivre	NSS	1	30
Celebration of New Year 2019 NSS spread a smile on the face of Police officers	NSS Police Pune	1	10
Volunteers worked as a scribe for blind people	NSS	1	25
Blood Donation Camp	NSS ADHAAR Blood Bank	2	125
Nirmal Wari at	NSS	4	190

Walhe				
Cyclothon-Aathvanitla Pune Cyklincha Pune	NSS	4		10
Police Mitra during Ganesh Festival	NSS	1		46
Campaign for Eco Friendly POP Ganesh Idol Visarjan	NSS NCL	2		46
Swach Bharat Abhiyan	NSS	1		25
Celebration of International Yoga Day	NSS	50		198
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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	NIL	NIL	Nill
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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 activites	Number of students participated in such activites
Yoga Day	NSS	Celebration of International Yoga Day	50	198
Swach Bharat Abhiyan	NSS	Swach Bharat Abhiyan	1	25
Swach Bharat Abhiyan	NSS NCL	Campaign for Eco Friendly POP Ganesh Idol Visarjan	2	46
Community	NSS	Police Mitra during Ganesh Festival	1	46
Community	NSS	Cyclothon-Aathvanitla Pune Cyklincha Pune	4	10
Unnat Bharat Anhiyan	NSS	Nirmal Wari at Walhe	4	190
Community	NSS ADHAAR Blood Bank	Blood Donation Camp	2	125

Community	NSS	Volunteers worked as a scribe for blind people	1	25
Community	NSS Police Pune	Celebration of New Year 2019 NSS spread a smile on the face of Police officers	1	10
Community	NSS	NSS Special Camp At Shivre	1	30

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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 Project	8	M/s. Nikhil Construction	365
Sponsered Project	4	Bharati Vidyapeeth, Pune	365
Sponsered Project	4	S. K. Surgicals, Narhe, Pune	365
Sponsered Project	2	Bharati Vidyapeeth, Pune	365
Sponsered Project	5	Bharati Vidyapeeth, Pune	365
Sponsered Project	5	Bharati Vidyapeeth, Pune	365
Internships	2	Bhipra software solution	90

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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
Knowlege Transfer	Faculty Visit to Company	SSIG Manufacturing Advancement Pvt. Ltd.	15/11/2018	15/11/2018	1
Knowlege Transfer	Seminar	Hackers-Era	22/01/2019	22/01/2019	132
Knowlege Transfer	Seminar	Kasnet Technology	23/01/2019	23/01/2019	132

Knowlege Transfer	Faculty Visit to Company	Micro Embedded Technology Pvt. Ltd.	18/02/2019	18/02/2019	1
Knowlege Transfer	Faculty Visit to Company	Siliconski lls Consultancy Services Pvt. Ltd	19/02/2019	19/02/2019	1
Sponsored Project	Design and analysis of PVC scrap filtration machine	Vijay Plastics, Akkalkot MIDC, Solapur	01/06/2018	05/01/2019	4
Sponsored Project	Failure analysis of hexagonal headed screw used for dental implant	S. K. Surgicals, Narhe, Pune	01/06/2018	05/01/2019	4
Sponsored Project	Manufactur ing of Nylon66 Nanofibers using Electr ospinning	Bharati Vidyapeeth, Pune	01/06/2018	05/01/2019	4
Project Work	Research Project	Shreenath Mhaskoba Sugar Factory	01/06/2018	05/01/2019	6
Project Work	Research Project	M/s. Nikhil Construction	01/06/2018	05/01/2019	2

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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
M/s. Nikhil Construction	15/06/2018	Research Project	8
Shreenath Mhaskoba Sugar Factory	22/07/2018	Research Project	6
G2G Innovation Kothrud Pune	30/11/2018	Seminars	100
Janhavi Filter Sinhgad Road	23/11/2018	Visits, Knowledge Transfer,Seminars	150
Praj Mettallurgical	30/11/2018	Visits,Practicles ,Knowledge	90

Laboratory Kotharud Pune		Transfer,Seminars	
Vishwanjali Agro Industries,Tembhurni	11/11/2018	Visits, Knowledge Transfer	100
Apollo Institues Pune	28/11/2018	Knowledge Transfer,Seminars	120
Global Reach Pune	05/12/2018	Visits, Knowledge Transfer,Seminars	150
Kaizen Envirotechv Industry Tathwade Pune	17/12/2018	Visits,Practicles ,Knowledge Transfer	100
Bhakti Engineering, Dhayari	14/01/2018	Visits,Practicles ,Knowledge Transfer	100
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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
11.94	11.55

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
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	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 patially)	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	Nill	Nill	296	737630
Reference Books	301	1108462	Nill	Nill	301	1108462
e-Books	27000	178250	3000	182900	30000	361150
Journals	127	401565	102	330579	229	732144
e-Journals	4	928851	4	1085145	8	2013996

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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
Dr. P.V.Yadav	Resource Management	Institute Server	02/07/2018
Prof. Dipali Patil	Softwrae Design Development	Institute Server	02/07/2018
Prof. S. D. Patil	Softwrae Design Development	Institute Server	02/07/2018
Prof.Shilpa Deshmukh	Cloud Computing	Institute Server	02/07/2018
Prof.D.E.Chaudhari	Resource Management	Institute Server	02/07/2018
Prof. N. V. Chaple	Project Management and Quality Control	Institute Server	02/07/2018
Prof. V. V. Muthekar	Project Management and Quality Control	Institute Server	02/07/2018
Mrs. B. G. Rodage	Bearing Lubrication_Design of Machine Elements	Institute Server	02/07/2018
Dr. K.S.Rambhad	INTRODUCTION TO THERMODYNAMICS	Institute Server	02/07/2018
Prof. K. B. Jadhav	Electronic Design	Institute Server	02/07/2018

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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/	Others

								GBPS)	
Existing	764	21	1	3	1	33	578	100	44
Added	0	0	0	0	0	0	0	0	0
Total	764	21	1	3	1	33	578	100	44

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
Moodle	https://lms.jspmntc.edu.in
DCD cell l	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 incurredon maintenance of physical facilites
68.64	66.38	85.92	83.09

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)

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 Deand/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.

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	2427	122955889
b)International	NIL	Nill	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	30/08/2018	53	e-Six Sigma, Pradnya Kulkani, Mob : 9765555764
Career Counseling	22/01/2019	25	Dr. Nihar Ranjan, HOD, Computer,JSPM NTC (Contact: 9763722262)
Career Counseling	03/01/2019	61	Narendra Juyekar (JSPM NTC, Soft Skills Trainer), Contact: 8698655086, and 7775811203
Career Counseling	24/12/2018	18	Sakshi Patil (Mindstix, Pune contact: 9767795923), Zensar Employability Skill Development program
Career Counseling	30/08/2019	35	Preplacement Softskill Training By Narendra Juvekar (JSPM NTC, Soft Skills Trainer), Contact: 8698655086, and 7775811203
Career Counseling	25/07/2018	77	Digital Marketing (Pallavi Jadhav - 9404644123)
Guidance for competitive	22/12/2018	20	In House (Prof. Neelam Kulkarni,

examinations			TPO Contact: 8888816485)
Guidance for competitive examinations	08/09/2018	71	Vani Institute Near AISSMS College of Engineering, Shivaji nagar, Besides R.T.O office - 020-25530424, 9225504097 Shivaji nagar, Besides R.T.O office - 020-25530424, 9225504097
Guidance for competitive examinations	07/10/2018	201	Vani Institute Near AISSMS College of Engineering, Shivaji nagar, Besides R.T.O office - 020-25530424, 9225504097 Shivaji nagar, Besides R.T.O office - 020-25530424, 9225504097
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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 passedin the comp. exam	Number of studentsp placed
2018	Competitive examinations	292	Nill	Nill	Nill
2018	Career Counseling	Nill	755	Nill	241
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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
8	8	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations	Number of students	Number of stduents placed	Nameof organizations	Number of students	Number of stduents placed

visited	participated		visited	participated	
TCS, Insosys, Mphasis, FACE, Xoriant Solutions Pvt. Ltd, Fiserv, LT Infotech	1173	241	Cognizant	10	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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	5	UG	Civil Engineering	1) VIIT 2) Sihagad institute, Wadgaon 3)NICMAR	) STRUCTURES 2) MBA3) Construction management
2019	1	UG	Mechanical Engineering	Nishigand University	MS
2019	1	UG	Mechanical Engineering	JSPM NTC,Narhe	MBA
2019	1	UG	Mechanical Engineering	Nottingham Trent University,England	M.S.
2019	1	UG	Mechanical Engineering	Ostfalia University of Applied Sciences,Germany	M.S. – Automotive Service Technology and Processes
2019	1	UG	Mechanical Engineering	JSIMR,Hadapsar,Pune	MBA – Opearations
2019	1	UG	Department of Computer Engineering	Prikrama Institute	MBA
2019	1	UG	Department of Computer Engineering	JSPM NTC	ME (Comp)
2019	1	UG	Department of Computer Engineering	VIIT Pune	MTech(COMP)

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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
GATE	1

Any Other	1

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Sports-Cricket	Institutional	84
Sports- Volleyball	Institutional	20
Sports- Kabbadi	Institutional	44
Sports- Football	Institutional	37
Sports- Throwball	Institutional	22
Sports- Basketball	Institutional	32
Cultural- Dance	Institutional	37
Cultural- Fashion Shows	Institutional	35
Cultural- Singing	Institutional	7

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
Nill	NIL	Nill	Nill	Nill	Nill	NIL

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. 6.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:

2482

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

203000

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 batch wise 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
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.

| 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 |
| 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.
Library, ICT and Physical Infrastructure / Instrumentation	The Institute has well stocked library with all the facilities along with a reading room. The students and facilities are motivated to nurture the 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.
Research and Development	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
Examination and Evaluation	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.
Teaching and Learning	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 lead 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 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
Curriculum Development	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.

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

E-governace 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
2018	Dr.Rajesh H Kulkarni	Nill	ISTE	3540
2019	Dr.Sulochana B. Sonkamble	Bridge Conference organized by ICT Academy Pune March 2019	Nill	757
2019	Ms.M.S.Namose	FDP on Data Analytics in association with Board of Studies (Computer Engineering), SPPU, Pune organized by Department of Computer Engineering, MMCOE, Pune	Nill	1000
2019	Ms.Snehal S. Shinde	FDP on Data Analytics in association with Board of Studies (Computer Engineering), SPPU, Pune organized by Department of Computer Engineering, MMCOE, Pune	Nill	1000
2018	Prof. Mahesh Anap	Nill	ISTE	3540
2018	Prof.Namrata Jajoo	Nill	ISTE	3540
2018	Dr.R.K.Lad	Nill	ISTE	3540
2018	Prof. S. S. Deshpande	Effective teaching methodology for Engineering Mechanics	Nill	750

2018	DR. S.B. Khpale	Nill	ISTE	3540
2018	DR. S.B. Khpale	Nill	The Insitute of Engineers	4850
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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	FDP on Teaching methodology and Learning materials developement	Nill	10/06/2019	14/06/2019	102	Nill
2018	One day Workshop on Research Paper / Review Paper Writing	Nill	16/04/2018	16/04/2018	18	Nill
2018	STTP on Intelligent Soft Computing Technique	Nill	10/12/2018	14/12/2018	98	Nill
2018	FDP on AUTODESK Inventor	Nill	28/05/2018	01/06/2018	35	Nill
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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
National Level Workshop on Machine Learning	1	29/01/2019	30/01/2019	2
Workshop on LATEX	1	13/02/2019	14/02/2019	2

Workshop on Patent Drafting and Filling	1	09/02/2019	09/02/2019	1
ISTE STTP on Intelligent soft computing Techniques	12	10/12/2018	14/12/2018	5
SPPU workshop on Engineering Mathematics-I	2	27/07/2018	27/07/2018	1
induction program for first year engineering	1	19/07/2018	19/07/2018	1
FDP for Students Induction (FDP-SI) (AICTE)	2	13/05/2019	15/05/2019	3
ISTE STTP on Intelligent soft computing Techniques	1	10/12/2018	14/12/2018	5
National Level Workshop on Machine Learning	1	29/01/2019	30/01/2019	2
Workshop on LATEX	1	13/02/2019	14/02/2019	2

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
160	Nill	127	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1.Group insurance scheme (policy no-161000421P115741004) 2.Various leaves available to teaching staff are vacation leave, casual leave, medical leave and maternity leave for ladies staff. 3. Employee Provident Fund for staff. 4.Loan facility is available for institute staff through Jaywant Multistate Cooperative Society.	1.Group insurance scheme (policy no-161000421P115741004) 2.Loan facility is available for institute staff through Jaywant Multistate Cooperative Society. 3.Ambulance service is available in campus. 4. Institute provides uniform to non-teaching staff. 5. Institute provides residence to non-teaching staff.	1. Government Scholarship, 2. Institutional scholarship, 3. Student Insurance

5.Ambulance service is available in campus.		

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 athorough 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 statuary 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
Management	6461742	Sports, Cultural activities, Industrial Visits

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6.4.3 – Total corpus fund generated

171.8

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 appoinyed 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)

1. Organization of Parent Teacher meeting regularly 2. Feedback from the parents 3. Organization of differnt activities

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 programs

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

1. ISO Certification 2. Preparation for NBA 3. Participation in AICTE-CII Survey

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	FDP on Teaching methodology and Learning materials developement	10/06/2019	10/06/2019	14/06/2019	102
2018	One day Workshop on Research Paper / Review Paper Writing	16/04/2018	16/04/2018	16/04/2018	38
Nill	STTP on Intelligent Soft Computing Technique	10/12/2018	10/12/2018	14/12/2018	98
Nill	FDP on AUTODESK Inventor	28/05/2018	28/05/2018	01/06/2018	35
Nill	One day workshop on finite element analysis using ANSYS	23/02/2019	23/02/2019	23/02/2019	112
Nill	A workshop on Advance Internet Technology	05/10/2018	05/10/2018	07/10/2018	68

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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
Art Circle Activity 2018	17/03/2019	17/03/2019	6	7
Beti Bachao Beti Padhao	07/04/2019	07/04/2019	12	48
Women's Day	08/03/2019	08/04/2019	11	16
Save Girl rally	28/01/2019	28/01/2019	15	62

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
23.52

7.1.3 – Differently abled (Divyangjan) friendliness

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

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
2018	1	Nill	06/07/2018	365	Availability of Doctor	Medical Emergency	38
2018	1	Nill	07/02/2018	4	Swach Bharat Abhiyan	Conducted free medicine distribution camp for wari people	35
2018	Nill	1	12/07/2018	1	Nirmal Wari at Walhe	1. Provide toilets on waari	190

						route. 2. Create awareness about use of toilets. 3. Monitoring Clean Up Service, Water Availability, And Lights Arrangements	
2018	Nill	1	18/09/2018	5	Campaign for Eco Friendly POP Ganesh Idol Visarjan	1. Encouraged people to opt environment friendly celebration of Ganesh festival. 2. To develop alternative to POP Idol 3. To develop alternative to Thermacol Decoration. 4. To develop alternative to Plastic bag for Nirmalya Disposal	46
2018	Nill	1	24/09/2018	1	Blood Donation	Activity is conducted is association with Aadhar Blood Bank	125
2018	Nill	1	10/04/2018	1	Scribe for blind	NSS students	25

| | | | | | | | people | worked as scribes to the blind students at Hadapsar | |

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	Nill	Nil

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Yoga Day	21/06/2018	21/06/2018	150
Teachers Day	05/09/2018	05/09/2018	100
Ganesh Festival 2016	13/09/2018	23/09/2018	110
Shivjayanti	19/02/2019	19/02/2019	120
Blood Donation Camp	15/03/2019	15/03/2019	90

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. Title: 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. Theinstitute 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. 5. Evidence of Success: ? We have won the Best Design award at Jaipur Street Karting Cup Season-2, in Arya College of Engineering, Rajasthan during 14-18 February, 2019. ? We have won an "Overall Championship Runner-Up" and "Endurance Race Winner" in a national level gokarting competition, which is held In Phagwara, Punjab during 24-28 February, 2019. ? We are the Runner-Up of championship of Zeal Drag 3.0, which is a a national level Gokart event held in Pune, Maharashtra during 16-19 March, 2019. ? We have won the "Overall 2nd Runner Up", "Speed Snap Winner", and "Autocross Winner" in a National Gokart event held in Hyderabad during 6-9 August, 2019. ? We have satisfied with Overall 4th in the championship of Student Kart Design Challenge- Season 4, held in Hyderabad during February, 2020. ? 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 present 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. Title: 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). ? To create an opportunity for the students to develop their inter-personal skills, bond with others learn teamwork. ? To aim at balance, flexibility, and stamina, strengthen muscles and connective tissues enabling good posture. . 3. Context: Education is to prepare a person for life. To an experienced educationist, it is a well-known fact that the age group of 18-30 years is extremely crucial. This is the age where issues of career, relationships, peer/parental pressures, and anxiety about the future, come to the fore simultaneously. For a youth bogged down by these issues, academic performance and development to their full potential suffers. Educational institutions, thus, have the primary responsibility to not only inspire students towards a higher vision but also create a strong sense of bonding between the institution and the students to nurture a stress free holistic environment. This Institute Yoga program aims to develop a strong value based, stress free violence free society. The goal is to bring a everlasting change in the mindset of students so that they become competent engineers with the spirit

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.jspmntc.edu.in/pdf/BestPractices/BestPractices2018-19.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. Our teaching faculty members have prepared their respective subject video's and practical performing video's and same are given to the students for their benefits. 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 Expert. e) Review of Modules, Coordination with Subject Expert for the completion of assigned modules Subject Experts a) Participation in orientation workshops. b) Finalisation of Papers/Topics/Modules in consultation with subject coordinator. c) Preparation of Instructional design and strategies for e-content production. d) Providing module-wise Academic Script along with other elements of the e-template

Provide the weblink of the institution
https://www.jspmntc.edu.in/pdf/Distinctiveness/Distinctiveness-2018-19.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 year 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 Curricular and Co-curricular activities. Training and Placement activities. Industry Institute Interaction. Infrastructure Facility. Extra Curricular Activities. After going through the detailed analysis

of all the stakeholder response following Future Plan is chalked out. 1. Arranging the training programs for the students 2. Maintaining the consistency of good academic results 3. Increasing the Industry Institute Interaction for internship, training and placement activities of students 4.Practice of YOGA and Meditation to be continued 5. Motivating and providing support to the student for participation in to different National and International Level Competitions and interdisciplinary projects.