Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**NUTAN MAHARASHTRA INSTITUTE OF ENGINEERING AND TECHNOLOGY**
Name of the head of the Institution	**Dr. Lalitkumar Wadhwa**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02114-231888**
Mobile no.	**9975273889**
Registered Email	**principal@nmiet.edu.in**
Alternate Email	**wadhwalalitkumar@gmail.com**
Address	**NUTAN MAHARASHTRA INSTITUTE OF ENGINEERING & TECHNOLOGY**
City/Town	**Pune**
State/UT	**Maharashtra**
Pincode	**410507**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Vikas Nandgaonkar**
Phone no/Alternate Phone no.	**02114231888**
Mobile no.	**9822397772**
Registered Email	**vikas.nandgaonkar@nmiet.edu.in**
Alternate Email	**vikas.nandgaonkar@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.nmiet.edu.in

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 :	http://www.nmiet.edu.in

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity Period From	Validity Period To
1	**B+**	**2.58**	**2018**	**16-Aug-2018**	**15-Aug-2023**

6. Date of Establishment of IQAC

10-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
Submitted ARIIA Ranking frameworks	**31-Jan-2019** **1**	**1**

Submitted CIRF Ranking frameworks	10-Dec-2018 1	1
IQAC conducted IPR session for students and faculty members	11-Sep-2018 4	247
Research Paper published in International Conferences/Journals	17-May-2019 2	29
Funding Proposals submitted to AICTE under IQAC initiatives	14-Nov-2018 1	6
Students participated in HACKATHON 2019	18-Jan-2019 2	8

8. Provide the list of Special Status conferred 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
NMIET	TEQIP	SPPU	2018 1	100000
NMIET	TEQIP	SPPU	2018 1	100000
NMIET	TEQIP	SPPU	2018 2	170000
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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 :	**4**
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)

Submitted ARIIA Ranking frameworks Submitted CIRF Ranking frameworks Submitted AICTE Funding proposals Submitted BCUD Proposals

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
IQAC Meeting	Planning of Academic Year
Inspection of Departmental Documentations	Standardization of documentations
Campus Rounds	Beautification and sports facilities for students
Interaction of Institutional Committees with Faculty, Staff & Students	Admin & Academic Audit
Departmental AQAR Submission	Collection of Quality improvement data
Finalization of Institutional AQAR	AQAR Finalization
Teaching Plan	Academic Process finalization
Orientation for Newly Inducted Students	Institutional and academic information to students
Academic Calendar	Planning of Academic year
Portfolio Distribution	Distribution of responsibilities
Meetings of Institutional Committees	Review of committee work

14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	12-Jan-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)	A management information system (MIS) is a computer system consisting of hardware and software that serves as the backbone of an organization's operations. An MIS gathers data from multiple online systems, analyzes the

information, and reports data to aid in management decisionmaking. The following modules are included in MIS of our institute: Learning Module Academic Monitoring Module Attendance Module Accounting Module Leave Management Module

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

We adopt the curriculum overview provided by the Savitribai Phule Pune University (SPPU), Pune. Depending on our resource potentiality, institutional goals and concern towards the students, we impart quality education. The institution has developed a structured and effective implementation of the curriculum. Following are the various means through which it executives the curriculum. HOD's Meeting: HOD's Meetings are held once in 15 days. Head of the Department discuss their action plans to arrive an optimal and effective way. Academic Calendar: Academic Calendar is prepared as per the SPPU academic schedule and the requirements at the department level as per the action plans formed. Lesson Plan: A Lesson plan includes course outcomes, course objectives, content topics, reference books and the expected outcomes from the students by learning through the topics prepared by respective faculty members at the beginning of each semester. It gives an insight how the lecture class will be handled throughout the semester. Meeting the Vision and Mission of the Concerned Department: Each department sets their own Vision and Mission which match with the Institutional Vision and Mission. Program Educational Objectives (PEO) and Program Outcomes (PO) are developed for each program and Course Objectives (CO) and course outcomes are defined for each course (theory and lab).

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
BVOC Course	Software Development	19/08/2019	3	Employability	Skill Development
BVOC Courses	Graphics Multimedia	19/08/2019	3	Employability	Skill Development
BVOC Courses	Refrigeration and air conditioning	19/08/2019	3	Employability	Skill Development
BVOC Courses	Automotive Manufacturing Technology	19/08/2019	3	Employability	Skill Development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BVoc	Software Development	19/08/2019

BVoc	Graphics Multimedia	19/08/2019
BVoc	Refrigeration and air conditioning	19/08/2019
BVoc	Automotive Manufacturing Technology	19/08/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer Engineering	01/06/2018
BE	Information Technology	01/06/2018
BE	Mechanical Engineering	01/06/2018
BE	E&TC Engineering	01/06/2018

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

	Certificate	Diploma Course
Number of Students	50	13

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
Tricentis Tosca Automation Specialist – Level 1	30/09/2018	45
Web development and PHP workshop	10/09/2018	52
MongoDB and Big Data	17/07/2018	48
Microsoft Cross Platform Mobile Application (CPMA) Workshop	11/07/2018	48
SAP Certification Course	08/09/2018	40
VLSI Design and Technology	18/08/2018	24
Embedded Systems	10/09/2018	50
No file uploaded.		

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	Computer Engineering	15
BE	Information Technology	3
BE	Mechanical Engineering	7
BE	E&TC Engineering	2
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
The institution collects the feedback on curriculum aspects and courses from different stakeholders such as the students, alumni, Faculty and Employers. Institution established Academic Council in order to ensure and analyze the academic excellence at student and faculty levels. Periodical analysis is made by Academic Council from the following: student performance, faculty performance in every semester, utilization of infrastructure and requirements for quality enrichment. Nutan Maharashtra Institute of Engineering Technology thoroughly reviews the curriculum for every academic year. The college maintains an IQAC as a quality consistence and quality enhancement measure. In supervision of IQAC, various departments and committees like Career Guidance, AntiRagging and Sexual Harassment Committee, etc reinforce the curriculum by incorporating updated information and diurnal social issues. Institute collects the feedback physically from stockholders viz. Students, Parents and Teachers on Curriculum which is prescribed by the university, further college website invites ala stockholder to provide feedback through online. The college conducts annual Alumni Meet, in which suggestions and feedback is received from Alumni students. Feedback from industrial management, R D establishments and professionals is obtained through college website's feedback blog. The provided feedback data is presented to the Academic Council Meeting for necessary implementation in curriculum. Alumni surveys are conducted during alumni interaction at the alumni association meeting held every year. Whenever any alumnus visits the college, feedback is taken. Further, college website invites alumni to provide feedback through online. Feedback from industry, R D establishments, professional bodies also are obtained.

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	Computer Engineering	63	72	63
BE	Information Technology	63	68	63
BE	Mechanical Engineering	126	83	72
BE	E&TC Engineering	63	36	30
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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
2018	1036	0	61	0	61

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 Toolsand resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
61	61	5	21	21	5

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

The faculty of the college carried out the responsibility of taking personal care of students on the individual level. Heads of departments were looking after the welfare of students by providing necessary guidance and assistance. Under GFM Activity 2530 students are assigned to the faculty who look after their personal, academic and psychological wellbeing. The faculty meets their Parents periodically, understand and analyze their problems and provide solutions.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1036	61	17:1

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
61	61	0	61	2

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Harhsal Chuadhari	Assistant Professor	NPTEL Certification
2018	Nitin Wankhade	Assistant Professor	NPTEL Certification
2018	Shradha Kirve	Assistant Professor	NPTEL Certification
2018	Sarika B Patil	Assistant Professor	NPTEL Certification
2018	Ashvini Jadhav	Assistant Professor	NPTEL Certification
2018	Krishna Tayde	Assistant Professor	NPTEL Certification
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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	631037210	SE	27/05/2019	27/07/2019
BE	631037210	TE	27/05/2019	01/08/2019
BE	631037210	BE	27/05/2019	23/07/2019
BE	631024510	SE	27/05/2019	27/07/2019
BE	631024510	TE	27/05/2019	01/08/2019
BE	631024510	BE	27/05/2019	23/07/2019
BE	631024610	SE	27/05/2019	27/07/2019
BE	631024610	TE	27/05/2019	01/08/2019
BE	631024610	BE	27/05/2019	23/07/2019
BE	631061210	SE	27/05/2019	27/07/2019
BE	631061210	TE	27/05/2019	01/08/2019
BE	631061210	BE	27/05/2019	27/07/2019

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

Assessment and Evaluation process This is a two tier system. 1. University defined and 2. Institute defined SPPU Pune conducts various examinations to evaluate the students. There are the evaluation examinations of the affiliating university such as Online MCQ Tests (Phase 1 2) for First and Second year, Insemester Exam for third and final year, Pr/Or exams and EndSemester exam for all. The main written examination is conducted at the end of the semester. The institute has to ensure that the students are ready for these examinations. Thus, all types (objective and subjective) of tests are planned before commencement of each semester. Also, to promote students learning and involvement in extracurricular activities term work norms are prepared well in advance. The institute has defined set of internal assessment. The CEO and Examination Committee schedules and executes the evaluation process with strict monitoring on regular basis. The Principal also takes stock of the progress in weekly HOD meetings. CCTV cameras are deployed at all class rooms, exam cell and laboratories to monitor the online examinations. Each department has Examination Coordinator for smooth conduction of Internal Tests. The results of each test are strictly declared within a week of the conclusion of the test. The students can see their respective answer sheets and discuss their queries with concerned staff. The term work evaluation is done by respective course teachers in the mid and at the end of semester. The students re notified about their performance evaluation of students is displayed on notice board through Continuous Assessment Report (CAR). Student can discuss any queries about CAR with the concerned teachers.

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

Institutions have gained its unique position among peer institutions through scrupulously planning and executing the TeachingLearning processes. Following points are considered in the execution process. Preparation of Academic Calendar The SPPU, Pune publish academic calendar for the complete academic

calendar for engineering and other faculties. Contents of Academic Calendar Commencement of teaching Conclusion of Teaching Practical / Oral / Theory Examination dates Result declaration dates Submission dates Holidays This university calendar is used as a reference point to prepare academic calendar of the institute. Academic calendar is prepared and circulated at least 45 days in advance to all concerned. Such a calendar for Semester II of 201819 is uploaded. It mainly consists of start and end dates of the teaching, examination, result declaration and submission dates, Holidays, etc.

2.6 – Student Performance and Learning Outcomes

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

http://www.nmiet.edu.in

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
631024510	BE	Computer Engineering	61	60	98.36
631024610	BE	Information Technology	10	9	90
631037210	BE	Electronics & Telecommunication	24	20	83.33
631061210	BE	Mechanical Engineering	114	103	90
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2.7 – Student Satisfaction Survey

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

http://www.nmiet.edu.in

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	0	0	0	0
Minor Projects	0	0	0	0
Interdisciplinary Projects	0	0	0	0
Industry sponsored Projects	0	0	0	0
Projects sponsored by the University	0	0	0	0

Students Research Projects (Other than compulsory by the University)	0	0	0	0

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Introduction to IPR	Computer Engineering	18/07/2018
Patents and Copyrights	Mechanical Engineering	11/09/2018

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
Exhaust gas waste heat recovery silencer using p.n. Semiconductor thermoelectric circuit	Saurabh Rajendra Dalvi	Indian Patent Office	30/01/2019	IPR

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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
00	0	0	0	0	01/11/2019

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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	0

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	Computer Engineering	17	4
International	Information Technology	7	3
International	ETC Engineering	19	3

International	Mechanical Engineering	11	3

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
ETC Engineering	9
Computer Engineering	11
Information Technology	7
Mechanical Engineering	4
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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
Invisible Video Watermarking for Data Integrity and Security based on Discrete Wavelet Transform – A Review	Nitin Dhawas	ICCIP 2019	2019	2	Organizing Istitute	2
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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
Invisible Video Watermarking for Data Integrity and Security based on Discrete Wavelet Transform – A Review	Nitin Dhawas	International Conference on Communication and Information Processing (ICCIP) 2019	2019	4	2	Organized Conference
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local

Presented papers	**29**	**0**	**0**	**0**
Attended/Seminars/Workshops	**0**	**0**	**45**	**61**
Resource persons	**0**	**0**	**0**	**5**

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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
Street play on Mahila Sabalikaran	**NSS and SPPU**	**5**	**25**
Save Girls	**NSS and SPPU**	**15**	**25**
Cleanliness and Hygiene	**NSS and SPPU**	**5**	**25**
Women Empowerment under Nirbhaya Kanya	**NSS and SPPU**	**15**	**110**
Health Awareness for Girls	**NSS and SPPU**	**15**	**95**

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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
0	0	0	0

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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
Gender Issue	**SPPU**	**Street play on Mahila Sabalikaran**	**5**	**25**
Gender Issue	**SPPU**	**Save Girls**	**15**	**25**
Swachh Bharat Abhiyan	**SPPU**	**Cleanliness and Hygiene**	**5**	**25**
Gender Issue	**SPPU**	**Women Empowerment under Nirbhaya Kanya**	**15**	**110**
Health Awareness	**SPPU**	**Health Awareness for**	**15**	**95**

		Girls			
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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
International Conference	74	Self	2
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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
Internship	Web Design Internship	Antikythera IT Services	17/12/2018	04/01/2019	23
Internship	PCI Summer School	Persistent	28/05/2018	08/06/2018	1
Internship	MSME	GIZ	01/12/2018	15/08/2019	45
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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
Telecom Sector Skills Council	12/12/2018	Designing implementation of courses in ICT, Telecom Manufacturing	30
Engi Kart Labs India Pvt Ltd	12/12/2018	Service Industry workshop , seminars , patent filling Mentoring	37
Campus Times Media	20/12/2019	Customized IT Solutions ,IT Training	130
Greentin Solutions Pvt.Ltd	12/01/2019	Software /IT Services	35
Mograsys Technology Pvt.Ltd.	12/01/2019	Educational Software	40
Wisdom Sprouts	19/01/2019	Training Development in IT	48
Mael Inde Pvt. Ltd.	26/01/2019	Software Design Development	40

SEED Infotech	26/01/2019	Products Tools Cosulting Services	35

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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
7281300	4734841

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added

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
System for Library Information and Management (SLIM)	Fully	3.5.0.33040	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	8655	3370719	0	0	8655	3370719
Reference Books	5056	1685359	0	0	5056	1685359
Library Automation	1	128960	0	0	1	128960
Journals	36	100576	30	63339	66	163915

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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	Platformon which module	Date of launching e-

			is developed	content
0	0	0	01/02/2019	

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	478	300	478	18	50	14	300	100	0
Added	90	90	90	0	0	0	90	55	0
Total	568	390	568	18	50	14	390	155	0

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

155 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
0	[0](#)

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
2615000	1768876	2739950	2926567

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 college has Maintenance Committee that oversees the maintenance of buildings, classrooms and laboratories. The Maintenance committee is headed by the Office Superintendent who in turn monitors the work of the Supervisor at the next level. The Supervisor is accountable to the Office Superintendent and functions as the coordinator who efficiently organizes the workforce, maintaining duty files containing details about their individual floor wise responsibilities, timings, leave etc. The maintenance officer conducts periodic checks to ensure the efficiency / working condition of the infrastructure. Adequate in house staff is employed to meticulously maintain hygiene, cleanliness and infrastructure on the campus so as to provide a congenial learning environment. Classrooms, Staffrooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly by Non teaching staff assigned for each floor. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. The Green Cover of the campus is well maintained by a full time gardener. Optimum working condition of all properties/ equipment on the campus is ensured through annual maintenance contracts (AMC). The AMC purview includes maintenance of Generator, Elevator, Air Conditioners, CCTV cameras and Water Purifiers. Apart from contract workers, the college has trained in house electricians and plumbers. Lab assistants under the supervision of the System administrator maintain the efficiency of the college computers and accessories. Parking facility is well organized. It is efficiently maintained by annually

renewed contract employees. The campus maintenance is monitored through surveillance Cameras. Proper inspection is done and verification of stock takes place at the end of every year. Periodic reporting on requirements of repairs and maintenance are submitted by the HODs to the Administrative office. The requirements are collectively processed in every semester break so as to keep things ready for the new semester. Pest control of library books and records is done every year by the maintenance department. Estate office manager and his team are involved in the maintenance of infrastructure facilities. This team looks after the regular maintenance of civil works such as furniture repairs, masonry and plaster works, painting, carpentry, plumbing and housekeeping. The nonteaching staff is also trained in maintenance of science and computer equipment. The Estate office workers look after the maintenance of rest rooms, approach roads and neatness of the entire premises. Housekeeping services are regularly executed and monitored. Electrical Maintenance of Generator, UPS, Batteries, EPABX) Monitor electrical equipment such as Generator, UPS, Batteries, EPABX monthly and enter the condition/Status of equipment in Log book Call the contractor (belonging to equipment) in case of major fault. The contractor analyses the fault and submit its report. If the replacement of any part is necessary then call the quotations purchase as per centralized purchase procedure. Inspect the work done by the contractor and ensure smooth functioning of equipment. Report the completion of work to the Principal and Registrar

http://www.nmiet.edu.in

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	0	0	0
Financial Support from Other Sources			
a) National	0	0	0
b)International	0	0	0
View File			

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
Etiquette and Manners for SE ETC	13/08/2018	24	Prof. Vijay Navale
Soft Skill Development	18/12/2018	241	Campus Credentials
Soft Skill Development	26/07/2018	180	EPracto
Remedial coaching	13/08/2018	27	NMIET Staff
Remedial coaching	17/08/2018	7	NMIET Staff
Remedial coaching	27/08/2018	26	NMIET Staff
Yoga	21/06/2019	25	NSS Activity

Meditation	26/03/2019	25	NSS Activity
Personal Counselling and Mentoring	05/01/2018	52	NMIET Staff
Language Lab	03/09/2018	26	Fiedel Soft
Bridge Course	12/02/2018	22	Primus Technology
Bridge Course	17/09/2018	45	Wisdom Sprouts
Session on Soft Skills for TE IT	10/07/2018	44	Prof. Vijay Navale
Session on Careers after BE Mechanical	18/07/2018	75	Prof. Vijay Navale
Career Guidance	30/07/2019	450	Prof. Vijay Navale
[View File](#)			

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	Career Counselling and Competitive Examinations	242	952	2	62
[View File](#)					

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
2	2	3

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
205	913	62	6	39	5
[View File](#)					

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	3	BE	IT	PTVA	MBA(HR), ME

				Institute of Management, CDAC, DYPCOE	Computer, CDAC
2019	1	BE	Computer Engineering	Griffith University Brisbane	MS Program
2019	1	BE	Computer Engineering	USM's Sriram Mantri Vidyanidhi InfoTech Academy	CDAC Authorized Program
2019	1	BE	Computer Engineering	PCCOE Pune	ME Computer

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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	15

View File

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

Activity	Level	Number of Participants
Cultural Gathering	Institute	187
Inter Collegiate Sports	University	6
Inter Zonal sports competition	Inter Zonal	2
Pune District Level Competition	District	2
Elocution Competition	University	4
Debate Competition	University	4
Cultural Event Youth Festival	Institute	12
GD Competition	Institute	225
Essay Competition	Institute	625

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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	0	National	0	0	0	0
2019	0	International	0	0	0	0

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Yes, Institute has Student Council. Till last year the selection process was to collect the forms from eligible students. An eligibility criterion is that the student should have cleared all the subjects of previous year and interviewed for the respective post. Constitution 1.Principal 2.Principal nominated faculty (Student Council Faculty Coordinator) 3.Physical Director 4.NSS Program Officer 5.Three Academic Toppers from F.E., S.E. T.E. 6.Cultural Student Coordinator 7.Sports Student Coordinator 8.NSS Coordinator 9.Principal nominated two Girls Representatives Funding There is no funding from any Govt. body. Institute bares all the expenses. Activities The Students' Council organizes many activities through its representative's viz. Sports Coordinator, Cultural Coordinator NSS Coordinator.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The College has registered Alumni Association with Registration No. MH/1530/2017/Pune While rejuvenating the memories of the college, a network of old students was achieved. Today, it is the backbone of the institution. The institution rests on the rich history of the student's success and glory. Association regularly meets and interacts with the management. It is the flag bearer of the developments in the institution. The Alumni organizes lectures on personality development. The alumni also help the institution by influencing industries and other agencies in getting placements fests for the institution. The alumni has expanded and strengthened it with new enrolments. The alumni appear for various activities and their suggestions are taken into account. Alumni day is celebrated and their achievements are recognized. The successful alumni are selected as guests of honor for awards. The Institution has a social networking page and a separate link in the website where the Alumni can register and connect to share their ideas. Alumni Benefits for Students: Personality Development Program Career Advising Industry Institute Interaction Placement assistance Project Assistance for final year students Arranging seminar for TE/BE students Alumni Objectives: 1.To bring together students of NMIET youth in every area to act as their representative and coordinate, synchronize and promote their interest in all matters. 2.To utilize the experience, wisdom, zeal, ability and spare time of past students of the NMIET the society for the benefit of the weaker section of the society. 3.To take up public interest matters relating to the past students of NMIET in this area with State and Central Government and Semi Government or private organizations or public cooperations. 4.To promote and provide for education, educational scholarships and medical relief useful to poor and the needy students of NMIET. 5.To promote sports education, culture knowledge by arranging seminars of past students of NMIET. 6.To make the students career oriented and attain international standard and by sheer professionalism. 7.To arrange seminars and to develop activities for healthy environment, and to avoid pollution developed the habit of tree plantation cultivate horticulture gardens and agriculture plants in selected areas. 8.To bring about better living condition, mutual cooperation amongst the past students of NMIET by implementing recreational facilities. To develop the library and other necessary activities for past students of NMIET. 9.To help and assist financially or otherwise, old age homes, rescue homes, health care units, family welfare centers, seminars etc. 10.To arrange, conduct and hold seminars, conferences, discussions, symposia etc for past students.

5.4.2 – No. of enrolled Alumni:

1554

5.4.3 – Alumni contribution during the year (in Rupees) :
0

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)

Decentralization Institute has a mechanism for delegating authority and providing operational autonomy to all the various functionaries to work towards decentralized governance system. 1. Principal Level The Governing Body delegates all the academic and operational decisions based on policy to the Academic Monitoring Committee (AMC) headed by the Principal in order to fulfill the vision and mission of the institute. AMC formulates common working procedures and entrusts the implementation with the faculty members. 2. Faculty Level Faculty members are given representation in various committees/cells and allowed to conduct various programs to showcase their abilities. They are encouraged to develop leadership skills by being in charge of various academic, cocurricular, and extracurricular activities. They are given authority to conduct industrial tours and to have tieup with industry experts and appointed as coordinator and convener for organizing seminars/workshops/conferences/FDPs. Other parts of the institute like sports, library, etc. have operational autonomy under the guidance of the various committees. 3. Student Level Students are empowered to play an active role as a coordinator of students associations, cocurricular, extracurricular and NSS activities. Participative Management The institute promotes a culture of participative management by involving staff and students in various activities. All decisions of the institution are governed by management of facts, information and objectives. Both students and faculties allowed expressing themselves of any suggestions to improve the excellence in any aspect of the Institute. 1. Strategic Level The Principal, dean academics and staff members are involved in defining the policies/procedures, framing guidelines and rules/regulations pertaining to admission, placement, discipline, grievance, counseling, training development, and library services etc., and effectively implementing the same to ensure smooth and systematic functioning of the institute. For the various programs to be conducted by the institute staff members meet, discuss, share their opinion and plan for the event and form various committees involving students. 2. Functional Level At functional level the faculty members participate in sharing the knowledge by discussing on latest trends/technology during faculty meeting. Staff members are involved in preparation of annual budget of institute. Faculty members also write joint research papers and share their knowledge. 3. Operational level The Principal of the institution is a member secretary of the GB. The GB gives suggestions and monitors the procurement, introduction of new programs and welfare activities. The Principal of the institution is responsible for academic, nonacademic and administrative activities of the institution. On behalf of the institution, he interacts and corresponds with AICTE, Govt. of Maharashtra, UGC, Affiliating University, etc., The budget is earmarked for staff members and students to participate in various programmes organized by the institute. All the staff members actively participate in implementing the policies, procedures, and framework designed by the management in order to maintain and achieve the quality standards. Office staff is involved in executing day to day support services for both students and faculties.

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	The Institution follows a threefold system which involves curricular, cocurricular and extracurricular activities. The curriculum being followed is designed in such a way so as to enhance and empower the knowledge base of students through a unique value system, transparent work culture, and excellent academic and physical environment.
Teaching and Learning	Excellence in teaching and learning is achieved by recruiting good competent teaching faculty. Total 80 of the student admissions are carried out through government central admission program. The remaining 20 admissions are carried out by the management on merit basis. In order to have smooth conduction of teaching, meticulous planning is done prior to the commencement of semester. Institute practices blend of traditional teaching and student centered learning practices such as Project Based Learning (PBL) and Active Learning. Weekly syllabus completion status is monitored. Tests and tutorials are conducted on a regular basis to ensure that the students grasp the concepts being delivered in the classrooms and laboratory sessions. A feedback mechanism for the faculty by the students facilitates in continuous improvement in teaching learning process.
Examination and Evaluation	Assessment and Evaluation process This is a two tier system. 1. University defined and 2. Institute defined SPPU Pune conducts various examinations to evaluate the students. There are the evaluation examinations of the affiliating university such as Online MCQ Tests (Phase 1 2) for First and Second year, Insemester Exam for third and final year, Pr/Or exams and EndSemester exam for all. The main written examination is conducted at the end of the semester. The institute has to ensure that the students are ready

	for these examinations. Thus, all types (objective and subjective) of tests are planned before commencement of each semester. Also, to promote students learning and involvement in extracurricular activities term work norms are prepared well in advance. The institute has defined set of internal assessment.
Research and Development	Institute is having separate RD cell. The RD cell comprises of faculty members from various departments of the institute. This committee oversees the smooth and efficient coordination of research and development activities in the institute, thus fostering overall growth. A senior faculty heads this cell in the capacity of Dean (RD), with the principal presiding over. Aims and Objectives of RD Cell Following Aims and Objectives have been set by the institute for itself with regard to RD activities. Aims To inculcate the spirit and culture of research amongst faculty and students. To enhance interaction and cooperation between researchers for interdisciplinary and multidisciplinary work. To forge academic and research collaborations with national and international universities, government agencies and industries. To establish links with various RD organizations and funding agencies for sponsored and contract research. To take up problems faced by local industry and provide solutions to them. To work towards development of NMIET as a renowned RD centre.
Library, ICT and Physical Infrastructure / Instrumentation	The college has central library and four departmental libraries. There is an Open Access Catalogue for students and staff. The reading room is well furnished to accommodate students at a time and provides conducive environment for study. Exclusive reference section is available in the library. A visitor's book is maintained for students and staff. New arrivals of books and journals are displayed on separate stands and racks. Each student gets Security of resources is ensured through a system of checking at the exit point for all resources borrowed by the users. Visitors are also required to sign noting the time of entry and exit. CCTV cameras are installed in the library for strict

	surveillance. Web OPAC (Online Public Access Catalogue) facility is made available through SLIM21 Library Management Software to know the bibliographical details about the collection. One separate node is made available in the Central Library for OPAC facility. And as it is a Web OPAC, user from any location can search the library collection. Search by giving Title, Author, and domain can be carried out.
Industry Interaction / Collaboration	Group of Students like whole class visit the medium scale and large scale industries along with their teachers and mentors. It is organized as per syllabus and frequency is defined. This activity includes site visit, observing technology, machines , systems , production , processes , etc. Also communication with the industry personnel like engineers, managers and operators. This knowledge will enrich the technical base of budding engineers. Ideas for project work , future job opportunity , etc are the outcomes of the Industrial Visits. Industrial visit more often clears the technical concepts of the concerned subjects. Sessions by Industry Experts is the perfect way of input in technical learning. Our Institute is associated with such experts. Around 50 sessions are conducted by Industry Domain Experts. Update knowledge transfer helps a lot to get motivation in engineering education. Availability of these resource persons is the major asset of our teaching system. Internship and Summer Vacation Training in industries are suggested to the students after every semester. Students learn technical work in this training. Exposure to industrial environment helps the students to get insight into technical field. MoUs are made with the industries for such cooperation in Internships. This campus is surrounded by MIDCs like Chakan MIDC, Ambi MIDC , Bhosari MIDC ,Hinjewadi IT Park , Pimpri Chinchwad MIDC , Pirangut MIDC, etc. Staff or faculties from our Institute conduct sessions for the employees of the industry. Topics are like Stress Management, Life Skills, Work Ethics, Soft Skills, and Careers of Kids of the employees. These are free sessions on behalf of Institute.

Admission of Students	The institute is the part of the centralized admission process of the state government. The admissions are strictly followed as per the rules regulation of Government of Maharashtra. The institute has developed the academic plan, course plan lesson plans. The student centric methods like experiential learning, participative management problem solving methods are employed at program level, course level lesson level. The case studies narrating the student centric methods innovations are part of the SSR. As the assessment is essential vital in learning is done by designing reforms in continuous assessment, project assessment and also by maintaining the transparency in the assessment system. The assessment is done in all 3 domains of learning viz. Cognitive, psychomotor and effective domain. Assessment of learning levels of the students Every year the college organizes an Induction Program for the First Year students. It opens with the Principal's Address and includes – Introductory sessions conducted by dean academics faculty members (who are incharges of various extracurricular and professional activities taking place within college campus), Talks by the Training and Placement officer. In the orientation, following points are discussed: 1.First year Course/Examination structure 2.Academic Calendar 3.Passing criteria, grading pattern, reexamination 4.Distribution of information brochure.
Human Resource Management	Human Resource Management involves management functions like planning, organizing, directing and controlling It involves procurement, development, maintenance of human resource It helps to achieve individual, organizational and social objectives Human Resource Management is a multidisciplinary subject. It includes the study of management, psychology, communication, economics and sociology. It involves team spirit and team work. It is a continuous process.

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

E-governace area	Details
Planning and Development	ERPCloud Vision System, Email id:cloudvisionsys.com, Mob No:

	02041202654
Administration	ERPCloud Vision System, Email id:cloudvisionsys.com, Mob No: 02041202654
Finance and Accounts	ERPCloud Vision System, Email id:cloudvisionsys.com, Mob No: 02041202654, Tally ERP
Student Admission and Support	ERPCloud Vision System, Email id:cloudvisionsys.com, Mob No: 02041202654
Examination	Intel, MyExamo

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	Shradhha Kirve	Workshop Machine Learning	D Y Patil College	500
2018	Rahul Chinchore	Workshop Data Science R Programe	PCCOE	600
2018	Deepali Patil	Lab Practice	MIT	3200
2018	Amruta Jadhav	Lab Practice II	D Y Patil College	2000
2018	Nutan Patil, Sarika N Patil, Sarika B Patil, Sushma Bhosale, Harsha Sarode, Bhagyshri Warhade	FDP 2015 New Course	I2IT College of engineering, AISSMS Imperial College, Wagholi,D Y Patil, Ravet	2700
2019	Jawed Shaikh	Open Source Software	Vishvakarma University	400
2019	Nutan Patil, Neeta Karhadkar, Sushma Bhosale	E Yantra Lab Setup Workshop	Amrutvahini College	2600
2019	ShyamSunder Ingale	Data Science	I2IT	400
2019	Amruta Jadhav	FDP LP III	MIT COE	1500
2019	Sulbha Ghadling	Lab Practice IV and Cloud Computing	D Y Patil College	1900
2019	Gayatri Ambadkar , Sarika N Patil, Sushma Bhosale,	FDP 2015	RMD Sinhgad, AISSMS, VIT, PCCOE R, MMCOE	2250

	Sagar Joshi , Bhagyshri Warhade			
2019	Sonali Patil	FDP Machine Learning Python	PCCOE R	600
2019	Pritee Adak	Digital Marketing	MCED	4720
		[View File]()		

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	Faculty Development Program on Data Science	Data Science	10/06/2019	15/06/2019	40	5
2019	Design and Implementation of IoT	IOT	22/02/2019	23/02/2019	30	3
2018	Three Days Workshop on Embedded Systems"	Embedded Systems	08/09/2018	10/09/2018	3	2
			[View File]()			

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
Faculty Development Program on Data Science	45	10/06/2019	15/06/2019	6
Augmentation Reality / Virtual Reality at MMCOE	1	04/12/2018	05/12/2018	2
Machine Learning using Python	2	14/12/2018	15/12/2018	2
Workshop on Task based	4	07/09/2018	08/09/2018	2

Training for (Robotics) eYantra Lab Development				
Design and Implementation of IoT	10	22/02/2019	23/02/2019	2
Data Analytics using R programming	2	03/01/2019	04/01/2019	2
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
61	61	42	42

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Employee Provident Fund, Group Insurance Scheme, Maternity Leaves, Medical Leaves	Maternity Leaves, Medical Leaves	Free Medical Treatment, Scholarships to Needy students

6.4 – Financial Management and Resource Mobilization

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

Institution has conducted external financial audit on 25/09/2019. An external auditor performs an audit, in accordance with specific laws or rules, of the financial statements of a company, government entity, other legal entity, or organization, and is independent of the entity being audited. Users of these entities financial information, such as investors, government agencies, and the general public, rely on the external auditor to present an unbiased and independent audit report.

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
Karan Shah Memorial Trust, Fazlani Charitable Trust, Zoroastian Foundation, sopra steria India foundation, Mukul Madhav Foundation	212885	Student Scholarships
View File		

6.4.3 – Total corpus fund generated

212885

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	SPPU	Yes	Dr. Tiwari Sir Principal PCCOER
Administrative	Yes	SPPU	No	

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

To work for the welfare of Students,Teachers and for the Development of the Institution To foster and promote good relationship among the members of the Teaching staff, student and parent/guardians of the students To assist students coming from Socially and Economically backward group financially or otherwise to complete Engineering education successfully To promote the activities of the Training and Placement Cell and to conduct Seminars and Technical/Training programmes for the students to achieve technology oriented skills/jobs

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

Six days training programme on Data Science and Big Data Quality Improvement Program for Support Staff

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

GIZ Internship for Third Year Students Japanese Language Courses for SE Students German Language Courses for SE Students Behavior improvement mission 40 days programme for students Institution Innovation Council (IIC) Formation Atal Ranking of Institutions on Innovations and Achievements Participation Utkrishtha Sansthan Vishwakarma Awards Participation

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Submitted ARIIA Ranking frameworks	31/01/2019	31/01/2019	05/02/2019	1
2018	Submitted CIRF Ranking frameworks	10/12/2018	10/12/2018	14/12/2019	1
2018	IQAC conducted IPR session for students and faculty members	11/09/2018	11/09/2018	11/09/2018	247
2019	Research Paper published in Internationa	17/05/2019	17/05/2018	18/05/2019	29

	l Conference s/Journals				
2018	Funding Proposals submitted to AICTE under IQAC initiatives	14/11/2019	14/11/2018	17/11/2018	6
2019	Students participated in HACKATHON 2019	18/01/2019	18/01/2019	19/01/2019	8

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
Street play on Mahila Sabalikaran	20/01/2019	27/01/2019	7	18
Save Girls	20/01/2019	27/01/2019	7	18
Cleanliness and Hygiene	20/01/2019	27/01/2019	7	18
Women Empowerment under Nirbhaya Kanya	05/03/2019	06/03/2019	110	0
Health Awareness for Girls	05/03/2019	06/03/2019	95	0

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
7.46

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	1
Rest Rooms	Yes	1
Physical facilities	Yes	1
Provision for lift	Yes	1
Scribes for examination	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address	Number of initiatives taken to	Date	Duration	Name of initiative	Issues addressed	Number of participating students

	locational advantages and disadvantages	engage with and contribute to local community						and staff
2019	8	8	20/01/2019	8	NSS Activity	Save Girls, Mahila Sabalikaran, Digital Awareness	25
2019	1	1	01/03/2019	1	PUC Camp	Vehicle Pollution	35
2019	1	1	24/01/2019	1	Food Donation	Food Donation to Orphans	30
2019	1	1	19/03/2019	1	Blood Donation	Blood Collection	78

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

Title	Date of publication	Follow up(max 100 words)
Short Film Mixer on Family Values	14/05/2018	Human Values concerned with family structure and effect on children is depicted in the form of a short film.
EHandbook on Career Questions Answers	01/05/2019	Informative Literature on Career, Professions, Professional Ethics, Parenting, etc. covered in booklet which is distributed via social media to thousands of needy students.
Short Film Kal Se Mat Aana	25/10/2019	Film on the message work passionately with human values and professional ethics in the liking field. The film is uploaded on UTube

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Blood Donation Camp	19/03/2019	19/03/2019	74
Organ Donation Awareness Program	19/03/2019	19/03/2019	74
Nirbhaya Kanya Abhiyan	01/03/2019	02/03/2019	50
Women Empowerment	06/03/2019	06/03/2019	125
Cleanliness Campaign at	18/03/2019	18/03/2019	40

Bhandara Hill Temple			
Food Donation to Orphans	24/01/2019	24/01/2019	20
Donation of utility items to flood affected citizens	14/08/2019	16/08/2019	50
Sessions in Rural Areas for School Students	01/12/2018	15/12/2018	2000
Counselling of students	01/05/2019	15/05/2019	5000

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

Energy Conservation Solid Waste Management Liquid Waste Management EWaste Management Rain Water Harvesting Tree Plantation Plastic Free Campus Reutilization of papers for printing

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice – 1 1. Title of the Practice Visionary Learning Community of India (VLCi): In order to facilitate the small medium enterprises (SMEs) enhance productivity, the Confederation of Indian Industries (CII) in collaboration with Japan International Cooperative Agency (JICA) by leadership of Anand Group of Industries launched a special programme called Visionary LaghuudyogMitraMandal (VLMi), which would see the CII and Nutan Maharashtra Institute of Engg Tech (NMIET) collaborating in training sector. The VLMiprogramme would see the faculty of NMIET being trained, who in turn, would train the batch of SMEs in the area college students. 2.Objectives of the Practice The principle objective of VLMi is on Make in India for Indian manufacturing industries, so this ambitious drive to succeed, the base of Indian manufacturing viz. MSMEs has to be strengthened. VLMi is looking forward to make this happen in the involvement of educational institutes with manufacturing transformation journey. The NMIET College would be offering the subject as an open elective for its engineering students. Objectives: 1. To introduce the concepts, principles and framework of contents of Toyota Production System (TPS). 2. To acquaint the students with various productivity enhancement techniques. 3. To acquaint the students with different aspects of Production Planning and Control and Standardization. 4. To introduce the concepts of material flow, tier structure as applied in industries. 5. To acquaint the students with different aspects of industries shop floor activities and Industrial Safety rules. Principles: 1. The industry transformation journey is based on Toyota Production System (TPS) which comprises its management philosophy and practices. The TPS organizes manufacturing and logistics for the manufacturer, including interaction with suppliers and customers. 2. The VLMi transformation is based on Fish Bowl Principle by Prof Shoji Shiba. The fish bowl principle is as follows: The different genus of fish jump into common fish bowl they follow their own intuition to dive. The different fish swim mutually in fish bowl then jump away to see the new region after getting conversant with unknown area by learn practice. 3. The Context VLMi Transformation appearance is self-initiated bustle it consists of four basic modules like 3S (Safety, Shorter Distance Space), Vmap(Visual Map), Heijunka(Leveling) Standardized Work which is supported by community based learning college faculty involvement to achieve the transformational outcome. In order to have Industry ready students, NMIET

Pune GIT Belgaum have started working on curriculum based VLMi tools for Engineering students. There will be an elective course—Modern Manufacturing Concepts starting in 2nd semester. Basic outline of the curriculum has been developed jointly by both the institutes under guidance of Mr. CS Patel. First content of Semester 2 elective—Basic Observation Skills—Safety Cleanliness is also developed. It will help students to get familiar with observation skills using examples from home public places. VLMi Focus on following Practices: 1. Leadership Development 2. Skill Building 3. LearnApplyLearn Technique 4. Tools Technique (3S, Vmap, Heijunka Standardized Work) The VLMi 2016 batch consists of following community members (Industries) which are from different regions of Pune such as: 1. COSMOS Constructions. 2. COSMOS Mechanical. 3. Shilpa Machinery. 4. Malhar Industries. 5. Nikhil Industries. 6. Gaurav Enterprises. 7. Mask Polymer 8. Manas Automotive 9. Dran Engineers 10. Abhijeet Engineers 11. Deepesh Pressings 12. NMIET(Academic Partner) Best Practice – 2 1. Title of the Practice Title: Innovation Promotion in Micro, Small and Mediumsized Enterprises (MSMEs) Commissioned by: German Federal Ministry for Economic Cooperation and Development (BMZ) Country: India Lead executing agency: Ministry of Micro, Small and Medium Enterprises (MoMSME) Overall term: 2018 to 2020 2. Objective With support from the programme, selected MSMEs have enhanced their capacity for developing inclusive and sustainable innovations. 3. Context Sustainable economic development is at the top of the political agenda in India. By 2017, the aim is for growth to be 'faster, sustainable and more inclusive'. Every year, around 12 to 13 million young people enter the labour market. In order to absorb this influx of job seekers, between 120 and 130 million new jobs will need to be created by 2025. The private sector, particularly micro, small and mediumsized enterprises (MSMEs), is expected to be a key driver here. The MSME sector, with roughly 44 million micro companies and thousands of small and mediumsized businesses, has an enormous economic, social and environmental impact. However, the sector faces several challenges, including strong international competition, pressure to use key resources like energy, water and raw materials more efficiently and to implement more environmentally sustainable production processes. By modernising and adopting green and inclusive innovations, Indias MSME sector can create new economic opportunities and strengthen its longterm competitiveness. In contrast to Germany, enterprises in India with innovative ideas often work in isolation. Cooperation with research and technology institutions or with academic establishments is virtually nonexistent. Furthermore, support for MSMEs in key areas such as technology transfer, resource efficiency and sustainability management has been either poor or inadequate. Although the Indian Government has launched a number of initiatives aimed at strengthening MSMEs, the initiatives of the government have not yet led to a significant improvement of the framework conditions. Cooperation between industry, the academic community and government bodies remains weak, thus hampering the innovative capacity and sustainability of MSMEs (including social enterprises and startups). The climate is not conducive to cooperation, with supporting institutions lacking effective methods, support programmes and the incentive structures needed to boost cooperation. 4. Approach Based on the assumption that innovation occurs when businesses and other stakeholders work together, the programme aims to strengthen cooperation between the private sector, government and the academic and research community. The goal is to initiate, introduce and disseminate new technologies, products, processes and business models. To this end, the programme supports institutions that promote economic development – such as business chambers and associations – in developing a range of innovationenabling services for MSMEs. In addition, GIZ provides advice on methods and instruments that can be used to identify opportunities for improving business operations and the supply chains of large companies. Here, the programme draws on the knowledge of international and national experts in the field of innovation. GIZ is also helping to produce training materials on

innovation management and establish new mechanisms to support startups. The project will have a strong demand focus, both in terms of closing the gap between MSMEs and academia, and between MSMEs and the demands of international (German) manufacturers. At national level, the programme advises the Ministry of Micro, Small and Medium Enterprises on developing new support instruments that foster innovation and modernisation in the MSME sector. Experiences of promoting innovation will be incorporated into policy dialogue and provide new impetus for improving policies and instruments to support MSMEs. In short, drawing on these experiences will become an integral part of economic development in India. 5. The Practice GIZ Projects Program for modernization and innovation promotion in micro, small and medium enterprises is one of the projects being implemented by GIZ in partnership with Ministry of MSME,Government of India.The project aim is to improve local innovation ecosystem through fostering cooperation between different stakeholders and strengthening the innovation management capacity and sustainability of MSMEs In India.The MSME INNO has collaborated with Industries associations, Academics and research institutions and other government agencies in the region. Nuatn Maharashtra Institute Of Engineering And Technolgy, Pune is one such college which partnering with MSME INNO Projects to identify the SMEs issues/ challenges and develop innovative solution to address those issues. So far 5 SMEs identified and students from Mechanical and ETC from Second year to final participating in giving solution to the SMEs Problem. Under which total 12 projects identified from 5 SMEs and 6 Mentors and 12 project groups of project (each group contains 4 students) working on it. So far 4 projects solution is implemented by SMEs, 6 project solutions are submitted for approval of SMEs and project groups working on 2 projects. 6. Evidence of Success To know the status of projects and review them session is organized at NMIET, Talegaon. Mr. Niranjan (CoOrdinator GIZ Pune Region) was invited to for review the status of project. Following faculties were present during meeting held on 09/09/2019 in Principal cabin at 11.30am. • Dr. Pranav Charkha (Aca. Coordinator) • Prof. Shridhar Limaye(HOD, ME) • Prof. Prashant Maske(Staff Mentor) • Prof. Spandan Waghmare(Staff Mentor) • Prof. Shekhar Babar(Staff Mentor) • Prof. Vishal Rajput(Staff Mentor) • Prof. Balika Tawde(Staff Mentor) • Prof. Rahul Patil (Staff Mentor) • 40 Students Projectees Issues Discussed 1) Mr. Niranjan Upadhye Sir conveyed importance of GIZ Projects to students mentors by citing various real life examples. He stressed on achieving the quality in projects. 2) Project progress status are reviewed by Mr. Niranjan Updhaye Sir. 3) Deliberation on Event "MSME Innovation Summit 2019" to be held at Aurangabad on 30 September 2019 by Mr. Niranjan Upadhye Sir 4) He also informed about the forthcoming workshop on "Welding Technologies" will be arranged by GIZ Pune team. Details for the same will be informed soon. 5) He asked college coordinator to setup Industry Innovation Cell.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://www.nmiet.edu.in

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

VISION 2017 We envision being dynamicleading institute of practice engineering and industrial research in the learning environment that promotes selfesteem, selflearning and innovative thinking in learners to be a successful professionals and member of society. MISSION The Mission of the Institute is "Holistic development of creative learners for employment/selfemployment by imbibing a unique value system, transparent work culture, conducive and excellent academics and physical environment. Our mandate is to generate,

preserve and share knowledge for developing a vibrant society." The distinctive characteristics of the Institute are defined in the mission as follows The Institute has been set up with a mission to impart such knowledge as may be necessary for the holistic development of students thereby making them capable of being better employable and at par with the highly competitive career market. The Institution follows a threefold system which involves curricular, cocurricular and extracurricular activities. The curriculum being followed is designed in such a way so as to enhance and empower the knowledge base of students through a unique value system, transparent work culture, and excellent academic and physical environment. The main focus is on the recent trends in technology with project based learning, creativity and technology transfer through IndustryInstitute interactions. The Institute highly supports to dynamic learning through project based learning concepts which is innovative idea in engineering education. Creativity and technology transfer is also one of the major concepts implemented through various national level workshops like TECHFEST and various programs to explore patent filing for staff and students. This strategy helps to generate, preserve and share knowledge for developing a vibrant society, by imparting quality education.

Provide the weblink of the institution
http://www.nmiet.edu.in

8.Future Plans of Actions for Next Academic Year

To be known as the best educational institute in the University in all the areas we are engaged in To produce graduates with high employer reputation To encourage students for higher education and entrepreneurship To make significant contributions to the technology needs of the nation To achieve a Ph.D. for all faculty members from reputed Universities To publish a large fraction of papers in top journals where peers in the top 50 universities publish To establish one centre of excellence each year, built around focus themes for recent trends in industry To organize two FDPs/Workshops/Conferences/Addon programs per year