Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**NANASAHEB MAHADIK COLLEGE OF ENGINEERING**
Name of the head of the Institution	**TAMBOLI J. A.**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02342-252100**
Mobile no.	**9604856750**
Registered Email	**contact@nmcoe.org.in**
Alternate Email	**nmcoep@gmail.com**
Address	**Gat No. 894 / 2665, Pune - Banglore (NH4) Highway,**
City/Town	**Peth Naka Islampur**
State/UT	**Maharashtra**
Pincode	**415407**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Mr. J. M. Tamboli**
Phone no/Alternate Phone no.	**02342252100**
Mobile no.	**8668300502**
Registered Email	**iqac@nmcoe.org.in**
Alternate Email	**viceprincipal@nmcoe.org.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.nmcoe.org.in/pdf/Certificate%20AQAR.pdf

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.nmcoe.org.in/academic-calendar.php

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.46**	**2019**	**28-Mar-2018**	**27-Feb-2024**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**15-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
Faculty Development	**06-Dec-2018**	**16**

program for CSE Department	02	
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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
Mechanical Department	Research Sensitization	Shivaji University	2019 180	10000
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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)

Implementation of Outcome based education System

Implementation of ERP

Use of Virtual Lab facility of MHRD

Soft skill development program for students

Scrutiny of institute level examination question paper by expert

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

Plan of Action	Achivements/Outcomes
Accreditation by NAAC Banglore	Accredited with .B grade
Conduction of Faculty Development program	Completed
Green and Environmental Audit	Competed
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Dr. B. A. Technological University Lonere	07-May-2019

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

Date of Visit	07-Mar-2019

16. Whether institutional data submitted to AISHE:	Yes

Year of Submission	2020

Date of Submission	31-Jan-2020

17. Does the Institution have Management Information System ?	No

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

Institute follows the academic curriculum as designed by affiliated universities. In the beginning of each semester academic calendar based on the university schedule is prepared and given to each staff members to adhere and implement the same and put up on the notice board for student's information and published on college website The steps followed for the effective curriculum delivery At the beginning of the semester following activities are carried out: 1.Required faculty members are appointed looking at the strength and the need to carry out the teaching load. 2.Load distribution of teachers load before the beginning of the semester. 3.Academic calendar is prepared. 4.Lecture plan is prepared by staff. 5.Practical plan is prepared by staff. 6.Preparation of notes/PPTs and the other allied material suitable for the subject as desired by the faculty members. During semester following activities are carried out: 1.As

per the time table lectures and practical are conducted. 2.In the weekly meeting of Principal and Heads of departments, planning is made according to the syllabus completion and lagging part of the academic calendar, if any. 3.Midterm exam is conducted to analyze the students. 4.Feedback is taken from the students. 5.Extra lectures are conducted by experts/adjunct faculties. 6.Industrial visits are organized for students. At the end of semester following activities are carried.+ 1.Academic Audit and Feedback: The semester examinations are conducted as per university schedule and after declaration of University results, analysis is carried out and academic audit meeting is arranged once in a semester, with all members to discuss various reasons, particularly for those subjects where results are not satisfactory. The appropriate decisions are made regarding the improvement of results such as arrangement of extra lectures, inviting expert faculty from the adjoining colleges, solving question papers etc. Students feedback is taken two times in a semester online and discussed individually with Principal and Head. Instructions are given to staff members having low feedback to improve their performance. 2. Mentoring: Each faculty member is assigned a group of students (15-20) for mentoring every year. The faculty mentors conduct meeting with the students and record their data, maintain records of student's activities other than academic, letting know their personal difficulties, suggestions for solution of difficulties for stress removal. 3.Teaching Pedagogy: For implementing effective teaching-learning process various methods other than chalk-board like video lectures, guest lectures, industrial visits are adopted. This process helps the students to learn the curriculum effectively. 4.Action Plan: Following action plans are implemented 1. Curriculum prescribed by the university is followed. 2. Subject to faculty is allocated based on their specialization, performance and experience. 3. Institute academic calendar is given to every faculty. .

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
Short Term training Program on PLC SCADA Hands on Practical	NIL	18/03/2019	5	Employability	Programming

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	No new program introduced during this year	02/07/2018
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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
BTech	Civil Engineering	02/07/2018
BTech	Computer Science and Engineering	02/07/2018

BTech	Electrical Engineering	02/07/2018
BTech	Electronics and Telecommunication Engineering	02/07/2018
BTech	Mechanical Engineering	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
Certified Information Security and Ethical Hacking	01/02/2019	38
Skill and career development training program	23/07/2018	45
Certificate Course on PCB Making	10/09/2018	45
Certificate Program on PLC SCADA	04/10/2018	19
Short Term training Program on PLC SCADA Hands on Practical	18/03/2019	53
	[View File]()	

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	60
BE	Electrical Engineering	43
BE	Computer Science and Engineering	10
BE	Electronics and Telecommunication Engineering	23
BE	Mechanical Engineering	114
BTech	Civil Engineering	61
BTech	Computer Science Engineering	30
BTech	Electrical Engineering	64
BTech	Electronics and Telecommunication Engineering	24
BTech	Mechanical Engineering	124
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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

Institute takes yearly feedback from different stakeholders. Feedback taken is analyzed and action taken report is prepared. Mechanism of feedback from different stakeholders is explained below: • Students Feedback Institute has developed online feedback system for analyzing performance of teachers in teaching activity. The feedback is taken twice in a semester and the review is taken individually with Principal and Head of the department, and the suggestions for the improvement are given. In this feedback the main focus is on evaluating following parameters related with teaching faculty: 1) Communication skill 2) Punctuality 3) Knowledge of the subject 4) Use of ICT Based on these parameters feedback is calculated for each faculty. Principal and Head of the departments communicated feedback to individual faculty members. The faculties with low feedback are counselled by senior faculties, head of department and principal. Faculties with satisfactory feedback are encouraged to attain high scores in feedback. • Teachers Feedback Teacher's feedback is taken once in a year from faculty about curriculum. And by analyzing feedback necessary changes can be made. • Parents Feedback Institute organises parents meet in institute once in year. At a time of parents meeting feedback from parents is taken. In this feedback the main focus is on evaluating following parameters related with academics: 1. Activities in institute. 2. System of institute. 3. Academic facilities. And according to the analysis of parents feedback action taken report is prepared. • Alumni Feedback Institute organises Alumni meet once in year to have interact with Alumni. At that time feedback from alumni is taken. In this feedback the main focus is on evaluating following parameters related with academics: 1. Activities in institute. 2. System of institute. 3. Academic facilities. And according to the analysis of Alumni feedback action taken report is prepared. Feedback taken by different stakeholders is collected, analysed and accordingly action taken report is prepared.

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
BTech	Civil Engineering	45	19	19
BTech	Computer Science and Enginering	45	23	23
BTech	Electrical Engineering	45	22	22

BTech	Electronics and Telecommunication Engineering	45	16	16
BTech	Mechanical Engineering	90	20	20
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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	898	Nill	58	Nill	Nill

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
58	52	4	6	Nill	3
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)

Student Mentoring System mentoring system is adopted for value addition to student to bridge the gap between teacher and students, to developing better environment, where students can approach directly to teacher for educational or personal guidance, to create awareness and support the students for competitive exam, curriculum and extra curriculum activities. mentor can advice and support to student for improving academic performance each faculty member is assigned with 15 to 20 student group for mentoring. Faculty member conducting meeting with these students as per their convenience and try to counsel with them to solve their problem and issues. Along with mentor have to communicate academic performance like attendance, unit test results and any other information to his or her parent.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
898	58	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
85	58	27	Nill	Nill

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	Designation	Name of the award, fellowship, received from

	state level, national level, international level			Government or recognized bodies
2018	NIL		Assistant Professor	NIL

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	676261210	VIII/4	25/05/2019	31/07/2019
BE	676237210	VIII/4	25/05/2019	31/07/2019
BE	676229310	VIII/4	25/05/2019	31/07/2019
BE	676224210	VIII/4	25/05/2019	31/07/2019
BE	676219110	VIII/4	25/05/2019	31/07/2019

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

Continuous Internal Evaluation we are affiliated to Shiivaji university and Dr. Babasaheb Ambedkar Technological University Lonere, The regulations, curricula and syllabi of all the programs offered by the university are available in the institute and are displayed on university website. marks are distributed according criteria like minimum attendance, journal submission and test performance, for third and final year out of 25 mark 10 marks are allocated for Attendance(Practical and Theory), 5 marks for internal test (Mid Sem), 5 marks for timely completion of journals and 5 marks for internal oral examination. for first year and second year as per guidelines of Dr. Babasaheb Ambedkar Technological University marking scheme is 60 and 40 Pattern for each subject, 60 marks for Laboratory performance and 40 Marks of oral Performance. out of 40 marks 20 marks are evaluated by external examiner. for 60 marks the evaluation made under CA1 and CA 2 before mid semester examination and after mid semester examination respectively . Under continuous assessment (CA1 and CA 2) practical performance is measured in various criteria.

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

The academic calendar is prepared before the start of every academic year which is finalized after the approval of the Principal. The academic calendar is made available to all the students and staff members. It gives details of important events during the academic year such as class test schedule, student feedback schedule, tentative dates of SUK exam etc. The departmental activities including curricular, co-curricular and extracurricular activities are planned in accordance with the academic calendar. The activities planned by every department include1.Seminar presentations 2.Group discussions, quiz competition, debate etc. 3.Providing support for sports, cultural activities and various competitions. 4.Promotes the student to participate in mini projects, paper presentation, project competition, workshop, seminar etc. 5.Overall attendance. 6.Parents meeting. 7.Extra-curricular activities by the students. Internal Examination Internal examination (mid-term test) in every semester test of 50 marks is conducted as per the academic calendar by all the departments. The results are communicated to students by displaying them on the

notice board and to the parents through letters. End Semester Examination End semester university examination is conducted by university in prescribed time duration which is declared by the university on the website well in advance. College displays university examination time table and informs students regarding the schedule. Practical/Oral examinations Practical/Oral examinations is conducted as per Shivaji University/DBATU guidelines. The schedule of examination is communicated to students as it is received from university examination section. Students are made aware of the procedure of practical examination well in advance. For practical examinations examiners are appointed by university authorities who come from different institutions to test performance of students and evaluate them based on their performance in the examination Term Work Evaluation- the marking scheme for internal assessment is informed to the students, the details about schedule plan and evaluation method is also informed at the beginning of the semester by course teacher. Project Work/mini-project- The assessment is done as per the instructions in the syllabus of Shivaji University. The weightage of marks for this is allocated in syllabus of particular subject which is informed to students at the start of every semester. Project Work assessment (in mechanical engineering department) is done for 50 marks each for the first and second semester. In second semester external examiner project evaluation carries 75 marks which are allocated based on project concept, application, and performance of students, usefulness, innovation, creativity, originality and results drawn. Industrial visits are planned and carried out by every department during the regular academic schedule. Student's attendance to industrial visit carries weight-age in their term work evaluation.

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://nmcoe.org.in/civil-engineering.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
676261210	BE	Mechanical Engineering	104	96	92.31
676237210	BE	Electronics and telecomm unication	36	36	100
676229310	BE	Electrical Engineering	75	72	96
676224210	BE	Computer Science and Engineering	22	22	100
676219110	BE	Civil Engineering	37	33	89.19
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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)

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
Projects sponsored by the University	180	Lead College Activity	0.1	0.1

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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
Introduction to IPR practices	RD cell	29/03/2019

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
Design and Implementation of Low Budget Electric bike using Old Bicycle	MSEB Miraj	Government of Maharshtra	17/01/2019	Project

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Incubation Center	NIL	NIL	NIL	NIL	02/07/2018

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

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

National	Electronics and Telecommunication Engineering	1	4
International	Civil Engineering	1	6

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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
Mechanical Engineering	1

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Automated guided vehicles for Small Manufacturing Enterprises: A Review	Rachana B Thombare	SAE international material and Manufacturing	2018	0.93	Y	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
Automated guided vehicles for Small Manufacturing Enterprises: A Review	Rachana B Thombare	SAE international material and Manufacturing	2018	20	2	Yes

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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	Nill	13	Nill	Nill

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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 Camp	Dongarwadi Grampanchyat Dongarwadi	1	50
Cyber Security Awareness Program	Quick Heal Technology Pune	1	36
Road Safety Camp	Peth Grampanchayat	6	40
Help to old age Home	Shivshmabo Old Age Home Nerle	8	13
Electrical Safety Awards	Peth Grampanchayat	3	21
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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
No Data Entered/Not Applicable !!!			
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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
Awareness	Vaibhav Laxmi Blood Bank	Blood Donation	5	69
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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
Faculty Exchange	75	Institute Level	01
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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	52 hrs certified	Pristine Info	17/02/2019	31/03/2019	38

	Solutions, Mumbai				
information securiry Ehical hacker(CISEH) course					

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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
Bhumi Polymer Islampur	28/01/2019	Guest Lecture	21
Quick Heal Pvt Ltd Pune	01/04/2019	Cyber Security Awareness / Industrial Visit/ FDP	36
National Testing Agency	27/08/2018	Online Examination for 12th Studnets	100
Prinstine Infotech Mumbai	03/03/2019	Internship/Seminar	38
Power Engineers Pvt Ltd	01/02/2019	Industrial Visit	92

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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
9	0.76

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added

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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Biyani Library Management software	Fully	2.0	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text	9836	3130045	Nill	Nill	9836	3130045

Books					
Journals	41	88875	Nill	Nill	41	88875
e-Journals	40	Nill	Nill	Nill	40	Nill
CD & Video	489	Nill	Nill	Nill	489	Nill

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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
No any Content Devloped by Faculty	Nill	Nill	Nill

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	208	145	208	5	40	7	11	45	0
Added	0	0	0	0	0	0	0	0	0
Total	208	145	208	5	40	7	11	45	0

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

45 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
NO ANY E CONTENT DEVLOPED BY ANY FACULTY	Nill

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
4.5	1.8	7	4.35

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)

Building maintenance: ? To provide a good infrastructure, a proper maintenance is taken for the buildings, furniture and fittings. ? An Infrastructure Coordinator has been appointed from the senior faculty of Civil

Engineering Department having professional experience for the overall development and maintenance work. ? In case of any maintenance related issue Lab Incharge/HOD forward application to Infrastructure Coordinator. After verifying complaint and identifying necessary action for repair/replacement, he gets the task completed. Equipment maintenance: ? Laboratory equipments are serviced and maintained by competent man power in respective departments. ? A teaching faculty is assigned duty of lab in-charge who maintains dead stock entries get those entries verified from head of department. ? Every lab is maintained by a lab assistant and monitored by lab in charge. Lab assistant check equipment in lab at regular time interval and generate reports about condition of the equipment in lab. The same report is submitted to lab in-charge of lab. ? If any equipment fails, lab in-charge add requirement in new requirements list, requirement list which is validated by concerned HOD. IT Maintaince: ? The systems Office with the in charge, members is available to attend the computer hardware/software and network connectivity related issues. ? The task of is to establish and maintain IT infrastructure in the campus. Electrical maintenance: ? Power supply, generators and electrical repairs are handled by the Electric Coordinator to facilitate the campus with reliable electric power. ? In case of any maintenance related issue Lab Incharge/HOD forward application to Electric Coordinator. After verifying complaint and identifying necessary action for repair/replacement, he gets the task completed Transport maintenance: ? There is transportation In-charge who looks after the maintenance of college vehicles by sending them for service periodically and attending to the repairs as and when required. Library maintenance: ? Head of departments circulates sheet to all faculty members regarding new book requirements. ? This requirement is collected two months before start of new semester. ? For each subject, list of textbooks, reference books, required copies for current strength of students and remark is specified in sheet. ? Head of departments forwards all book requirements to librarian. ? Librarian verifies existing stock of books and new requirement and adjusts required copies accordingly. After all requirements are finalized, quotations are invited from publishers. ? Librarian sends purchase order to the vendor after approval from Principal. Housekeeping and Gardening maintenance: ? The garden is conserved retaining regularly to have an exotic look to the college by maintaining the lawns and floras. ? Housekeeping staff cleans his assigned area thrice a day

https://www.nmcoe.org.in/maintenance-policy.php

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	Support for needy students	85	878033
Financial Support from Other Sources			
a) National	Nil	Nill	0
b)International	Nil	Nill	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

Yoga	03/08/2018	100	Mr. Mane Shashikant
Bridge Course	17/02/2019	38	Pristine Info Solutions, Mumbai
Bridge Course	18/03/2019	53	Proautomater Robotics, Kolhapur
Bridge Course	04/10/2018	19	Origin Automation Technology,Pune
Soft Skill	13/07/2018	112	Skill and Career development center Pune
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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	Pre MPSC Examination	100	Nill	Nill	Nill
2018	Career Counseling	Nill	33	Nill	Nill
2018	Preparation of GATE and IES	76	Nill	Nill	Nill
2018	Career Guidance	99	Nill	Nill	Nill
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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
3	3	22

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
Nil	Nill	Nill	Aerosoft Banglore	19	1
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of	Programme	Depratment	Name of	Name of

	students enrolling into higher education	graduated from	graduated from	institution joined	programme admitted to
2019	1	BE	Mechanical Engineering	VIM Peth	MBA
2019	1	BE	Mechanical	TKIET, Warnanagar	ME Design
2019	1	BE	Mechanical Engineering	GCE Kard	M.Tech Heat and Power
2019	1	BE	Mechanical Engineering	RIT Sakhrale	M.Tech Production
2019	2	BE	Electronics and Telecommunication Engineering	RIT Sakhrale	M.Tech Embedded system VLSI Design
2019	1	BE	Civil Engineering	RIT Sakhrale	M.Tech Structure

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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	Nill

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

Activity	Level	Number of Participants
Singing and elocution Completion	District Level	51
Boxing	Zonal Level (Lead College)	90
Annual Sport	Institute Level	125

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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
2018	Nil	National	Nill	Nill	Nill	Nill
2018	Nil	International	Nill	Nill	Nill	Nill

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

The institute has a student Council as per the UGC and university norms. Student representatives from each class, NSS coordinator, sport coordinator, cultural coordinator etc. are members of committee. Committee conducts meetings to discuss different activities which can be implemented in college. The institute has an active student's council with incorporation, participation of the boys and girls students. The participation of students in the student's council helps to improve their leadership abilities and management skills. Members of this committee jointly organize different activities in college campus like World Yoga Day, Blood Donation Camp, Plantation, and Visit to orphanage etc. Each department has their own student association. Under this student association each department organizes various technical and non technical events like Techno-Byte 2K19, , workshop on ethical hacking, Shiv Jayanti etc Students' representation and participation have been an integral part of the academics. Students' are the part of various committees as below: Anti-ragging Committee,Internal Complaints Committee,Internal Quality Assurance Cell, Departmental Association Activities,National Service Scheme (NSS),Gymkhana Committee,Cultural Committee, Library Committee Institute organizes annual sports, annual cultural festival, NSS, technical and nontechnical events etc. The aim of forming student council is to understand and overcome student's difficulties and to improve cultural and extracurricular activity skills. The details of cultural and sports events conducted in our institute are as follows:- Cultural event includes:Funny games,Fishponds,Singing,Dance,Drama,Fashion show

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Meet was held on 25th Dec. 2018 at Nanasaheb Mahadik College of Engineering Peth campus. The alumni meet is conducted every year in order to reconnect with the Alumni and celebrate their success and various achievements. The Alumni started arriving in college by 9.00 a.m. and they were received by the registration team. To start the occasion on an auspicious note, our Principal Dr.J.A.Tamboli proceeded to the dais for the lightening of the lamp, accompanied by Executive Director Prof.Mahesh B.Joshi, Alumni's and staff. All alumni's are welcomed for responding to the invitation from college and being present for the alumni meet. They were appreciated for their contribution towards the institute and for their achievement in their organization. Our Alumni have been honored by giving bouquet by Principal and Executive Director. After felicitation it was preceded with presenting the college report highlighting the various milestones reached in the past year. Also briefed the college progress highlighted the department activities and facilities available in the department. After the college presentation, a sharing session with the Alumni ensued and participants of the meet representing each batch were called for an interactive sharing session. Principal Dr.J.A.Tamboli addressed in this meet, he told that alumni are the stakeholders of the institute. They should always share their experience with institute. Prof. Mahesh B.Joshi, Executive Director, NMCOE, speaking on this occasion, appreciated alumni for showing interest in contributing for betterment of the institute. He also thanked alumni for their successful career. The total program was anchored by Prof.A.A.Salunkhe. The meet was concluded by vote of thanks given by Prof. R.R.Gaur. In his speech, she appealed alumni to be united and to be connected with the institute. After the function was over, Lunch was provided to all the alumni. In general, the alumni have given a good feedback about the hospitality and food. Prof.K.D.Patil, Prof.R.R.Kadam, Prof.A.H.Todkar, Prof.R.R.Mane, Prof Abhishek Patil, HOD and all staff were present and co-ordinate the conduct of the Alumni Meet in proper manner and the function was over by 4.00 p.m

5.4.2 – No. of enrolled Alumni:

63

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Meet has organised on 25/12/2018

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 institution functions with the method of decentralized governance system. The head of the departments are given the authority of deciding the activities and delegating the responsibilities to the staff members. The department decisions include preparing timetable, subject allocation, purchase and maintenance of equipment, organizing conferences, guest lectures and workshops and recommends necessary industrial visits and MoUs. There are various committees involving staff which is constituted to manage different institutional activities. Committees are formed for the various curricular, co-curricular and extracurricular activities to be conducted during the academic year. Dean Academics has been given authority to monitor the teaching-learning process and set the policies for smooth conduction of academics. Training Placement officer has been delegated responsibility of campus placement, organization of various events, workshops for the overall development of the students and improving students employability. This decentralization reduces wastage of time in decision making addressing students and staff issues more effectively and quickly. The Institute has always been in favor of participative management. The principal is the administrative head of the institute. The management is always open for discussion with the teaching and non teaching staff which, in turn, encourages the involvement and participation of the staff towards the improvement of effectiveness and efficiency of the institutional process. The principal with the head of the departments discuss the needs, snags and suggestions to improve the educational quality and infrastructure improvements followed by a talk to the management for further action. The decision suggested by faculty in departmental meetings and HOD meetings is conveyed to the management through the principal. The Governing Body (GB) is the executive authority and exercises general supervision and control of the affairs of the college. The governing body also formulate strategic plans of the organization. The policy decisions taken by this body decides the long term impact on institute. To maintain quality in the work environment and to create open and safe environments for individuals to work in the college, the college has duly constituted an Anti-ragging Committee and an Internal Complaint Committee (Anti-Sexual Harassment Committee).

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

Partial

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	Dissemination of efforts and initiatives taken by the institute for

	students of 12th and final year diploma student through organizing guidance seminars.
Industry Interaction / Collaboration	Institute has signed MoUs with various industries like, Relinace Jio, Mumbai, Smruddhi TBI Foundation Sangli, Quick Heal technologies Pune and various nearby industries for ensuring institute industry interaction. conduction of industrial visit, project, internship/Vocational Training for students in collaboration with nearby industries.
Human Resource Management	teaching and non teaching staff members are encouraged to attend pedagogy workshops. institute organizes development workshops for teaching and non teaching members
Curriculum Development	Inclusion of guest lectures, seminar, presentation on advanced topics. the students and faculty work together to cover the contents which are not provided in syllabus
Teaching and Learning	emphasis on ICT based learning using digital learning tools such as MOOCs, Swayam portal, NPTEL video lectures in addition to conventional teaching learning. conduction of expert lectures by industry and academicians.
Examination and Evaluation	continuous internal evaluation is being done in the institute using tools such as tests, Assignments, tutorials, practical and oral examinations etc. university examinations are conducted as per the schedule received from university
Research and Development	institute has constituted research and development cell for promoting research culture among students and staff members. students are encourage to under take industry sponsored projects at final year engineering. staff and students are encouraged to participate in national/international conferences and to publish their work in various journals by providing financial assistance to them
Library, ICT and Physical Infrastructure / Instrumentation	Institute has updated library facility using E-Resources such as E-books, E-Journals. ICT class room including projector, personal computer, wifi and LAN facility are provided

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

E-governace area	Details

Student Admission and Support	Admissions are done as per norms of DTE Maharashtra, Govt. of Maharashtra, and Govt. of India through centralized online admission process as per displayed schedule.
Examination	university monitored secured remote paper downloading system is implemented by institute for conducting university examination.
Finance and Accounts	accounting is done with use of accounting Software

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Mr. N.M. Sane	Two day Workshop on design and deveopment of curriculam to enhance the Quality OBE	Registration Fee	500
2018	Mr. M.S. Ingavale	Two day Workshop on design and development of curriculam to enhance the Quality OBE	Registration Fee	500
2018	Mr. J. M. Tamboli	Two day Workshop on design and deveopment of curriculam to enhance the Quality OBE	Registration Fee	500
2018	Mr. V. R. Shinge	Two day Workshop on design and deveopment of curriculam to enhance the Quality OBE	Registration Fee	500
2018	Mr. M. A. Patil	Two day Workshop on design and deveopment of curriculam to enhance the Quality OBE	Registration Fee	500

2018	Mr. A.P Patil	Two day Workshop on design and deveopment of curriculam to enhance the Quality OBE	Registration Fee	500

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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	days faculty Development Program on C and CPP industry Perceptive	Nil	06/12/2018	07/12/2018	16	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
Two Day workshop on STRUCTURAL AUDIT, RETROFITTING NDT ON CONCRETE STRUCTURES	3	04/09/2018	05/09/2018	02
FDP on " PRODUCT DESIGN ENGINEERING"	2	20/12/2018	24/12/2018	05
Webinar on VLSI	9	21/08/2018	21/08/2018	01
FDP on Machine Learning for Data Science	1	14/01/2019	15/01/2019	02
days faculty Development Program on C and CPP industry	4	06/12/2018	07/12/2018	02

Perceptive				
Orientation Program on Adoption Promotion and Production of MOOCS on Swayam	1	12/10/2018	12/10/2018	01
Two day Workshop on design and development of curriculam to enhance the Quality OBE	5	07/12/2018	08/12/2018	02

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
12	46	1	49

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Employees provident Fund, Insurance, Training Programs, Hostel Facility	Employees provident Fund, Insurance, Training Programs, Uniform	Bus facility, Insurance

6.4 – Financial Management and Resource Mobilization

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

institute conducts financial audit at the end of every financial year by appointing competent external agency. internal audit is conducted by accounts departments half yearly

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
No any fund recived	0	Nil

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6.4.3 – Total corpus fund generated

0

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	Senior Academicians from nearby institute	Yes	Principal, Head of Department and few Senior

Administrative	Yes	Senior Academicians from nearby institute	Yes	Principal, Head of Department and few Senior faculty

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

1. Conduction of Parents Meet 2. Expert lectures by industry persons 3. Social outreach programs for helping nearby locals

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

1. Stress and Work Management 2. Financial Management 3. Introduction to computer literacy 4. Basic English Communication

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

1. Project Based Learning 2. Utilization of virtual lab facility MHRD for conducting experiment using computers 3. Conduction of two ICT mode STTP in association with NITTTR Kolkata 4. One AICTE Sponsored STTP for Teaching staff in association with DBATU Lonere 5. Introduction of add on course on quantitative aptitude for final year students 6. Conduction of internship program for first and second year engineering students. 7. Conduction of student development programs on personality development and soft skills

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
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
2018	Faculty Development Program for computer science engineering	01/12/2018	06/12/2018	07/12/2018	16
2018	Institute accreditation by NAAC Banglore	07/06/2018	06/03/2019	07/03/2019	104
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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

Guest Lecture on women menstruation cycle	08/08/2018	08/08/2018	127	Nill
Guest Lecture on platelets donation	03/09/2018	03/09/2018	213	258
Workshop on dealing with sexual harassment at work place	25/09/2018	26/09/2018	226	124
Workshop on dealing with sexual harassment at work place	01/10/2018	01/10/2018	Nill	156

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
Nil

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Ramp/Rails	Yes	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	3	3	15/08/2018	01	Electrical Safety awareness at grampanchayat peth	Electrical safety	16
					[View File](#)		

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

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for Students	20/07/2018	1. Under the human values and professional ethics we train the our four faculty with the help of AICTE programs 2. We conduct induction

			programs for students to know human values and professional ethics 3. We have subject Basic Human Rights in Second year to know human rights and ethics

7.1.6 – Activities conducted for promotion of universal Values and Ethics			
Activity	Duration From	Duration To	Number of participants
Sessions on universal human values and professional ethics	01/08/2018	21/08/2018	78

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

Green Audit
Formation of Environment Club
Tree Plantation Program
Rainwater Harvesting system for Canteen Building
Bio gas generation from canteen waste

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Financial assistance to meritorious students the objective is to attract the students of higher merit those who brings name and fame to the institute. It is experienced that these schemes have created a healthy competition among the students. As a result of this, the students are consistently acquiring university ranks. There are various schemes to offer financial assistance to students which are follows cash reward for the class toppers- A cash prize of Rs.5000/- and certificate. Institute is awarding university First ranker with cash prize of 51,000/- and certificate. Institute is awarding university second to tenth rankers with cash prize of 25,000/- and certificate. Concession in fees- This is offered to the meritorious students belonging to the poorer sections of the society, who otherwise cannot afford engineering education. Concession given to needy students the objectives is to give financial support to needy students for their education.Institute is giving fee concession to the toppers of sister concern organization for taking admission in direct second year of engineering.Institute provides installment facility to the students for paying their fees.Institute is giving fee concession to the students admitted from sister concern institute for taking admission in direct second year. Since last four years, there is a tradition of giving financial support to needy students. This assistance is in addition to the scholarships given by State Governments under various schemes.

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

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

1.Institute is giving admission to students as per the norms of Maharashtra state government. 2.In comparison to nearby institutions our institute has more number of students from economically weaker sections of society. We are offering them concession in fees apart from government scholarships. 3.Institute has qualified academic staff and skilled supporting staff who are always available for students. 4.Institute is equipped with well-established labs, central library with numerous copies of standard publications, e journals and NPTEL video lectures. 5.Institute offers experiential learning to students through industrial visits. 6.For holistic development of students, institute organizes guest lecture on personality development, competitive exams, career guidance etc. 7.Institute is promoting students to participate in various sports and cultural activities. Institute has Sports Department which gives training on number of sports like cricket,volleyball, football, kabaddi, etc. 8. Kalasarthi Group is an identity of our institution which represents our institute in various cultural events. 9.Institute has proudly hosted one state level science exhibition to motivate students across the state towards science and technology. 10.Institute is promoting students to participate in various inter and intra college events competition,paper presentations conference their by motivating them for doing research and innovation. 11.Institute has conducted number of workshops, guest lecture on recent trends in the field of science and technology to boost up the knowledge of students towards new technology.

Provide the weblink of the institution

8.Future Plans of Actions for Next Academic Year

1. Enhancing virtual lab utilization by establishing nodal center 2. Submission of research proposal to Government/University 3. Organizing STTP with financial support from Government/University 4. Introduction of new course on aptitude 5. Establishing Students club for enhancing English and public speaking. 6. Enhancing training and placement activity