



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF ENGINEERING
Name of the head of the Institution	PROF.DR.(Mrs) KALYANI R. JOSHI
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02025533638
Mobile no.	9011070917
Registered Email	principal@moderncoe.edu.in
Alternate Email	pesmcoe@moderncoe.edu.in
Address	1186A, Shivajinagar, off J.M. Road Pune 411005
City/Town	PUNE
State/UT	Maharashtra
Pincode	411005

2. Institutional Status																									
Affiliated / Constituent			Affiliated																						
Type of Institution			Co-education																						
Location			Urban																						
Financial Status			private																						
Name of the IQAC co-ordinator/Director			Dr. Kalyani Srinivas C.																						
Phone no/Alternate Phone no.			02025535638																						
Mobile no.			9967971077																						
Registered Email			iqac@moderncoe.edu.in																						
Alternate Email			kalyani.srinivas@moderncoe.edu.in																						
3. Website Address																									
Web-link of the AQAR: (Previous Academic Year)			http://www.moderncoe.edu.in/iqac-aqar.php																						
4. Whether Academic Calendar prepared during the year			Yes																						
if yes,whether it is uploaded in the institutional website: Weblink :			https://www.moderncoe.edu.in/academic-calendar.php																						
5. Accrediation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.45</td> <td>2011</td> <td>27-Mar-2011</td> <td>26-Mar-2016</td> </tr> <tr> <td>2</td> <td>A</td> <td>3.10</td> <td>2017</td> <td>22-Feb-2017</td> <td>21-Feb-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.45	2011	27-Mar-2011	26-Mar-2016	2	A	3.10	2017	22-Feb-2017	21-Feb-2022
Cycle	Grade	CGPA	Year of Accrediation	Validity																					
				Period From	Period To																				
1	B	2.45	2011	27-Mar-2011	26-Mar-2016																				
2	A	3.10	2017	22-Feb-2017	21-Feb-2022																				
6. Date of Establishment of IQAC			05-Jan-2010																						
7. Internal Quality Assurance System																									
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						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														
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																							

No Data Entered/Not Applicable!!!

[View File](#)

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	NIL	NIL	2019 00	0
View File				

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?

Yes

If yes, mention the amount

2592616

Year

2018

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

The Institute has upgraded digital library with Ebook access to students.

The institute has provided teaching learning tools like smart board, virtual labs including additional web resources, video lectures, animated demonstrations, self evaluation for interactive educational classroom.

Activities were organized during the year involving alumni as well as others for career and personal counselling, skill development, yoga and meditation, club activities and technical events, MoUs were signed and industry collaboration was increased. Students participated in International level Smart India Hackathon 2019 at JSS NOIDA and got first prize. Students also won prizes in other competitions at national and international level.

For UG Project Quality Enhancement, project review meetings are conducted with students. Interaction with industry experts is done once in a semester for project review and assessment. Product development projects are developed successfully and supported by the ED Cell of the Institute. Institute Innovation Cell was established under which six activities were conducted.

Three programs in the Institute were accredited by The National Board of Accreditation in line with the directives of the AICTE.

No Files Uploaded !!!

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
No Data Entered/Not Applicable!!!	
View File	

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
College development Committee	15-Feb-2019

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

Yes

Date of Visit

29-Mar-2019

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

12-Feb-2019

17. Does the Institution have Management Information System ?

Yes

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

Student Management System (SMS) Student Management System is a management information system to manage students' data in institute. This system keeps record of student's registration detail, admission, fees, and attendance details. Various kinds of reports are generated through this system. The

system is intranet based. Users of System: • Student • Faculty(GFM) • Administrator Objectives: 1. To enroll new students in the institute 2. To maintain all students information documents in digital format 3. To have centralized control on students record and monitor it 4. To reduce unnecessary paper work. Modules: Students enrollment(Registration) Staff Registration Student admission o Fee management o Student admission o Document verification Student attendance module Exam Result Various certificates generations like Bonafide certificate, NOC, etc Reports: Various reports are generated through this student Management System List count of registered students staff View Print Admission Form Print Various Certificates like Bonafide certificate, Character certificate ,NOC, etc Fee Receipt Fee Challan Staff Details Student Details Student list o Registered student o Fee category wise o Cast wise Cast Category wise student count Class wise pending fee report Student wise Fee payment mode Periodic class attendance Report Various result analysis reports Fees Summary Reports Students Registration Process 1. Students will get login password in the department 2. Students need to fill registration form with basic and personal information in the college premises only. 3. Student will open browser and type <http://192.168.11.20/> 4. Student will login into software (College management system) and fill registration form. Students Admission Process 1. Enter <http://192.168.11.20/> 2. Login to student management system 3. Click on 'Get Admission' tab 4. Fill information or update if filled in previous year. 5. Click 'Upload document' tab and upload scanned copy of applicable documents (jpg format) and click 'Upload'. Please wait until scanned copy of documents uploaded successfully then logout from the system. 6. The admission form will be created in the system. Collect printout of this form from Student Section. 7. Take sign of GFM HOD on this admission form and submit to respective GFM. GFMs students' registration process 1. Printed list of login password for students will be given to departments.

2. GFMs will get done online registration from the students in the respective departments. 3. GFMs will get their own login and password through which they can see list of registered students. GFMs students' document verification process in admission 1. Enter <http://192.168.11.20/> 2. Login to student management system 3. Click on Admission tab then select document verification then select verify document in it 4. Select Batch 5. Student list will get displayed, a) Click on 'Yes' button > Select date for registration b) GFM needs to click on verify button on right side of each student name to verify documents 6. When finish with all students finally click on approve button.

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

P.E.S. Modern College of Engineering is affiliated to Savitribai Phule Pune University (SPPU). The course curriculum followed by the Institute is framed by the SPPU, Pune. The Course curriculum and syllabi are revised by the University every five years. Teaching faculty contribute in curriculum revision. They keep themselves updated with the latest information and skills in their respective area of teaching by upgrading their academic qualifications, attending FDPs and other workshops. The Academic Calendar is notified by SPPU. With this as a reference, the Institute Academic Calendar is prepared and circulated to all departments. The Academic Calendar is the action plan for effective implementation of the curriculum. Departmental Academic Calendar reflects the activities planned during the term related to term commencement, course delivery, internal assessment, co-curricular activities and term conclusion. Departments also prepare their Activity Planner for co-curricular activities such as departmental guest lectures, STTPs, workshops, seminars, summer-winter vacation training programmes, Industrial Visits, Project Exhibition, Project Competitions and club activities. The Academic Planning and Development Committee (APDC) meets regularly to discuss the strategy for the effective implementation of the curriculum by ensuring that, Course allotment is done well in advance considering faculty preferences and capabilities. Teaching and course plans, lecture notes are prepared before term commencement for the course file. It includes course material, test question papers, sample University question papers, content beyond syllabus activities, relevant add-on content, ICT techniques to be used and curriculum booklet. Curriculum booklets for each course are prepared for circulating to students. It contains details of course structure, syllabus, teaching plan, text and reference books, course objectives, course outcomes, questions for theory and tutorials mapped with respective COs, multiple choice questions (MCQs), reference web links and research papers. During the course of the term, faculties maintain Academic Record Booklet (ARB) for both theory and practical courses. The ARB keeps

record of the teaching plan and its execution with regard to delivery, assessment and evaluation. Each course instructor identifies academic strength of students through regular class/laboratory teaching and internal assessments. Make-up classes are conducted to support students performing below average. Above average performers are encouraged through peer teaching, small group discussions, collaborative projects in and out of class, group presentations, and case studies. Faculty members are encouraged to impart curriculum through pedagogical initiatives such as case studies, ICT supported learning such as Video lectures, NPTEL lectures, WordPress websites, Webinars, LMS etc. Mentors are assigned for mentoring the students. The industry experts and alumni invited for projects evaluations to ensure quality of technology, and objectivity in the teaching-learning processes. The Institute infrastructure and facilities are continuously being upgraded to suit the needs of changing curriculum and pedagogy. The renovated well-stocked Institute library offers various web based facilities and access to National and International online Journals.. Analysis of feedback helps in identifying areas of improvement in curriculum planning, delivery and implementation. APDC verifies conduction of academics and briefs the IQAC regarding the final report. Necessary and innovative steps are taken by the Institute for improvement.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
NPTEL- Principles of Hydraulic Machines and System Design	NIL	30/07/2018	84	Employabil ity	Technical
NPTEL- Principles of Metal Forming Technology	NIL	30/07/2018	84	Employabil ity	Technical
NPTEL- Problem Solving through Programming in C	NIL	30/07/2018	84	Employabil ity	Technical
NPTEL- Product Design and Innovation	NIL	30/07/2018	84	Entreprene urship	Technical
NPTEL- Programming in C	NIL	30/07/2018	84	Employabil ity	Technical
NPTEL- Programming, Data Structures and Algorithms using Python	NIL	30/07/2018	84	Employabil ity	Technical

NPTEL- Project management for managers	NIL	30/07/2018	84	Entreprene urship	Technical
NPTEL- Project planning and control	NIL	30/07/2018	84	Entreprene urship	Technical
NPTEL- Recent Advances in Transmission Insulators	NIL	30/07/2018	84	Employabil ity	Technical
NPTEL- Ref rigeration And Air-Cond itioning	NIL	30/07/2018	84	Employabil ity	Technical
NPTEL- Robotics	NIL	30/07/2018	84	Employabil ity	Technical
NPTEL- Scalable Data Science	NIL	30/07/2018	84	Employabil ity	Technical
NPTEL- Science of Clothing Comfort	NIL	30/07/2018	84	Employabil ity	Technical
NPTEL-Semi conductor Devices and Circuits	NIL	30/07/2018	84	Employabil ity	Technical
NPTEL- Simulation of Business Systems: An Applied Approach	NIL	30/07/2018	84	Employabil ity	Technical
NPTEL- Social Networks	NIL	30/07/2018	84	Employabil ity	Technical
NPTEL-Soft skills	NIL	30/07/2018	84	Entreprene urship	Softskill
NPTEL- Software Engineering	NIL	30/07/2018	84	Employabil ity	Technical
NPTEL- Software testing	NIL	30/07/2019	84	Employabil ity	Technical
NPTEL-Soil and Water Conservation Engineering	NIL	30/07/2018	84	Employabil ity	Technical

NPTEL-Strength of materials	NIL	30/07/2018	84	Employability	Technical
NPTEL-Sustainability through Green Manufacturing Systems: An Applied Approach	NIL	30/07/2018	84	Employability	Technical
NPTEL-Switching Circuits and Logic Design	NIL	30/07/2018	84	Employability	Technical
NPTEL-System Design for Sustainability	NIL	30/07/2018	84	Employability	Technical
NPTEL-Technical english for engineers	NIL	30/07/2018	84	Entrepreneurship	Softskill
NPTEL- Big Data Computing	NIL	28/01/2019	84	Employability	Technical
NPTEL- Bio-Informatics : Algorithms and Applications	NIL	28/01/2019	84	Employability	Technical
NPTEL-BioMEMS and Microsystems	NIL	28/01/2019	84	Employability	Technical
NPTEL-Blockchain Architecture Design and Use Cases	NIL	28/01/2019	84	Employability	Technical
NPTEL-Business analytics and data mining Modeling using R	NIL	28/01/2019	84	Entrepreneurship	Technical
NPTEL-Business Analytics For Management Decision	NIL	28/01/2019	84	Entrepreneurship	Technical

NPTEL-Business Statistics	NIL	28/01/2019	84	Entrepreneurship	Technical
NPTEL-Cloud Computing	NIL	28/01/2019	84	Employability	Technical
NPTEL-Compiler Design	NIL	28/01/2019	84	Employability	Technical
NPTEL-Control engineering	NIL	28/01/2019	84	Employability	Technical
NPTEL-Computational Fluid Dynamics	NIL	28/01/2019	84	Employability	Technical
NPTEL-Computer Aided Power System Analysis	NIL	28/01/2019	84	Employability	Technical
NPTEL-Computer Architecture and Organisation	NIL	28/01/2019	84	Employability	Technical
NPTEL-Concepts of Thermodynamics	NIL	28/01/2019	84	Employability	Technical
NPTEL-Conduction and Convection Heat Transfer	NIL	28/01/2019	84	Employability	Technical
NPTEL-Convective Heat Transfer	NIL	28/01/2019	84	Employability	Technical
NPTEL-Cryptography and Network Security	NIL	28/01/2019	84	Employability	Technical
NPTEL-Data Base Management System	NIL	28/01/2019	84	Employability	Technical
NPTEL-Data Mining	NIL	28/01/2019	84	Employability	Technical
NPTEL-Data Science	NIL	28/01/2019	56	Employability	Technical

for Engineers						
NPTEL-Deep Learning - Part 2	NIL	28/01/2019	84	Employability	Technical	
NPTEL-Descriptive Statistics with R Software	NIL	28/01/2019	84	Employability	Technical	
NPTEL-Design and Analysis of Algorithms	NIL	28/01/2019	84	Entrepreneurship	Technical	
NPTEL-Design Thinking - A Primer	NIL	28/01/2019	84	Entrepreneurship	Technical	
NPTEL-Designing Learner-Centric MOOCs	NIL	28/01/2019	84	Entrepreneurship	Technical	
NPTEL-Digital Electronic Circuits	NIL	28/01/2019	84	Employability	Technical	
NPTEL-Discrete Mathematics	NIL	28/01/2019	84	Employability	Technical	
NPTEL-Discrete Structures	NIL	28/01/2019	84	Employability	Technical	
NPTEL-Effective Engineering Teaching In Practice	NIL	28/01/2019	56	Entrepreneurship	Softskill	
NPTEL-Electric Vehicles - Part 1	NIL	28/01/2019	84	Employability	Technical	
NPTEL-Electrical Machines - II	NIL	28/01/2019	84	Employability	Technical	
NPTEL- Electromagnetic compatibility, EMC	NIL	28/01/2019	84	Employability	Technical	
NPTEL-Electronic	NIL	28/01/2019	56	Employability	Technical	

Packaging and Manufacturing						
NPTEL- Embedded System Design with ARM	NIL	28/01/2019	56	Employability	Technical	
NPTEL- Emotional Intelligence	NIL	28/01/2019	56	Employability	Softskill	
NPTEL- Employment Communication - A Lab based course	NIL	28/01/2019	84	Employability	Softskill	
NPTEL- Engineering Mechanics - Statics and Dynamics	NIL	28/01/2019	56	Employability	Technical	
NPTEL- English language for Competitive exams	NIL	28/01/2019	84	Employability	Softskill	
NPTEL- Enhancing Soft Skills and Personality	NIL	28/01/2019	84	Entrepreneurship	Softskill	
NPTEL- Optimization in Chemical Engineering	NIL	30/07/2018	84	Employability	Technical	
NPTEL- Roadmap for patent creation	NIL	28/01/2019	56	Employability	Technical	
NPTEL- Satellite Attitude Dynamics and Control	NIL	28/01/2019	84	Employability	Technical	
NPTEL- Six Sigma	NIL	28/01/2019	84	Employability	Technical	
NPTEL- Social networks	NIL	28/01/2019	84	Entrepreneurship	Softskill	
NPTEL- Solar Photovoltaics: Principles,	NIL	28/01/2019	56	Employability	Technical	

Technologies Materials	NPTEL- Speaking Effectively	NIL	28/01/2019	56	Entreprene urship	Softskill
	NPTEL- Steam and Gas Power Systems	NIL	28/01/2019	84	Employabil ity	Technical
	NPTEL- Supply Chain Analytics	NIL	28/01/2019	56	Employabil ity	Technical
	NPTEL- Surface Engineering for Corrosion and Wear Resistance Application	NIL	28/01/2019	84	Employabil ity	Technical
	NPTEL- Surface Engineering of Nanomater ials	NIL	28/01/2019	56	Employabil ity	Technical
	NPTEL- Systems Engineering: Theory Practice	NIL	28/01/2019	84	Employabil ity	Technical
	NPTEL- Teaching And Learning in Engineering (TALE)	NIL	28/01/2019	84	Entreprene urship	Softskill
	NPTEL- The rmodynamics	NIL	28/01/2019	84	Employabil ity	Technical
	NPTEL- Total Quality Management - II	NIL	28/01/2019	56	Employabil ity	Technical
	NPTEL- Weldability of Metals	NIL	28/01/2019	84	Employabil ity	Technical
	Spoken Tutorial- Python	NIL	01/02/2019	93	Employabil ity	Technical
	Spoken Tutorial- LaTeX	NIL	01/02/2019	64	Employabil ity	Technical
	Spoken	NIL	01/01/2019	93	Employabil	Technical

Tutorial- C - CPP					ity	
Spoken Tutorial- C - CPP	NIL	15/01/2019	79	Employabil ity	Technical	
Spoken Tutorial- C - CPP	NIL	28/01/2019	68	Employabil ity	Technical	
NPTEL- Organic Farming for Sustainable Agricultural Production	NIL	30/07/2018	84	Employabil ity	Technical	
NPTEL- Outcome based pedagogic principles for effective teaching	NIL	30/07/2018	84	Entreprene urship	Softskill	
NPTEL- Power system analysis	NIL	30/07/2018	84	Employabil ity	Technical	
NPTEL- Principles of Digital C ommunication s	NIL	30/07/2018	84	Employabil ity	Technical	
NPTEL- Advanced Composites	NIL	30/07/2018	84	Employabil ity	Technical	
NPTEL- Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink	NIL	30/07/2018	84	Employabil ity	Technical	
NPTEL- Aircraft Stability and Control	NIL	30/07/2018	84	Employabil ity	Technical	
NPTEL- Analog circuits	NIL	30/07/2018	84	Employabil ity	Technical	
NPTEL- Analog Electronic	NIL	30/07/2018	84	Employabil ity	Technical	

Circuit						
NPTEL- Applied Optimization for Wireless, Machine Learning, Big Data	NIL	30/07/2018	84	Employabil ity	Technical	
NPTEL- Artificial Intelligence : Search Methods For Problem solving	NIL	30/07/2018	84	Employabil ity	Technical	
NPTEL- Basic electrical circuits	NIL	30/07/2018	84	Employabil ity	Technical	
NPTEL- Joy of computing using Python	NIL	28/01/2019	84	Employabil ity	Technical	
NPTEL- Kinematics of Mechanisms and Machines	NIL	28/01/2019	56	Employabil ity	Technical	
NPTEL- Language And Mind	NIL	28/01/2019	56	Entreprene urship	Softskill	
NPTEL- LDPC and Polar Codes in 5G Standard	NIL	28/01/2019	56	Employabil ity	Technical	
NPTEL- Machine Learning for Engineering and Science Applications	NIL	28/01/2019	84	Employabil ity	Technical	
NPTEL- Machine Learning, ML	NIL	28/01/2019	84	Employabil ity	Technical	
NPTEL- Machinery Fault Diagnosis And Signal Processing	NIL	28/01/2019	84	Employabil ity	Technical	
NPTEL- Managing	NIL	28/01/2019	56	Entreprene urship	Softskill	

change in or
organizations

NPTEL- Man ufacturing Guidelines for Product Design	NIL	28/01/2019	84	Entreprene urship	Technical
NPTEL- Man ufacturing Process Technology	NIL	28/01/2019	84	Entreprene urship	Technical
NPTEL- Man ufacturing Strategy	NIL	28/01/2019	84	Entreprene urship	Technical
NPTEL- Marketing Management - II	NIL	28/01/2019	56	Entreprene urship	Softskill
NPTEL- Matlab Programming for Numerical Computation	NIL	28/01/2019	56	Employabil ity	Technical
NPTEL- Mic roprocessors and Microcon trollers	NIL	28/01/2019	84	Employabil ity	Technical
NPTEL- Modelling and Simulation of Dynamic Systems	NIL	28/01/2019	56	Employabil ity	Technical
NPTEL- Operations and supply chain management	NIL	28/01/2019	84	Entreprene urship	Technical
NPTEL- Org anometallic Chemistry	NIL	28/01/2019	56	Employabil ity	Technical
NPTEL- Parallel Algorithms	NIL	28/01/2019	84	Employabil ity	Technical
NPTEL- Patent Drafting for Beginners	NIL	28/01/2019	56	Entreprene urship	Technical
NPTEL- Plastic Waste Management	NIL	28/01/2019	84	Entreprene urship	Technical

NPTEL- Polymer Assisted Abrasive Finishing Processes	NIL	28/01/2019	56	Employabil ity	Technical
NPTEL- Power System Dynamics, Control and Monitoring	NIL	28/01/2019	84	Employabil ity	Technical
NPTEL- Power System Engineering	NIL	28/01/2019	84	Employabil ity	Technical
NPTEL- Principles of Casting Technology	NIL	28/01/2019	56	Employabil ity	Technical
NPTEL- Principles of Communica tion Systems - I	NIL	28/01/2019	84	Employabil ity	Technical
NPTEL- Principles Of Human Resource Management	NIL	28/01/2019	56	Entreprene urship	Softskill
NPTEL- Principles of Mechanical Measurement	NIL	28/01/2019	84	Employabil ity	Technical
NPTEL- Principles of Signals and Systems	NIL	28/01/2019	84	Employabil ity	Technical
NPTEL- Probability and Statistics	NIL	28/01/2019	84	Employabil ity	Technical
NPTEL- Problem solving through Programming In C	NIL	28/01/2019	84	Employabil ity	Technical
NPTEL- Product Design and Development	NIL	28/01/2019	56	Employabil ity	Technical
NPTEL- Product	NIL	28/01/2019	84	Employabil ity	Technical

Design and Manufacturing

NPTEL-Programming In C	NIL	28/01/2019	56	Employability	Technical
NPTEL-Programming in Java	NIL	28/01/2019	84	Employability	Technical
NPTEL-Programming, Data Structures and Algorithms using Python	NIL	28/01/2019	56	Employability	Technical
NPTEL-Psychiatry - An overview	NIL	28/01/2019	56	Entrepreneurship	Softskill
NPTEL-Qualitative Research Methods and Research Writing	NIL	28/01/2019	84	Entrepreneurship	Technical
NPTEL-Quality Design And Control	NIL	28/01/2019	84	Employability	Technical
NPTEL-Quantum Mechanics I	NIL	28/01/2019	84	Employability	Technical
NPTEL-Randomized Algorithms	NIL	28/01/2019	84	Employability	Technical
NPTEL-Rapid Manufacturing	NIL	28/01/2019	84	Employability	Technical
NPTEL-Real Time Operating System	NIL	28/01/2019	84	Employability	Technical
NPTEL-The Joy of Computing using Python	NIL	30/07/2018	84	Employability	Technical
Total Quality Management - INPTEL-	NIL	30/07/2018	84	Employability	Technical
NPTEL-Visual Perception	NIL	30/07/2018	84	Employability	Technical

and Art: A Survey Across the Cultures						
NPTEL-Wastewater Treatment and Recycling	NIL	30/07/2018	84	Employability	Technical	
NPTEL-Water, Society and Sustainability	NIL	30/07/2018	84	Employability	Technical	
NPTEL-Welding of Advanced High Strength Steels for Automotive Applications	NIL	30/07/2018	84	Employability	Technical	
NPTEL-WildLife Conservation	NIL	30/07/2018	84	Employability	Technical	
NPTEL-Working Capital Management	NIL	30/07/2018	84	Employability	Technical	
NPTEL-Yarn manufacture I : Principle of Carding and Drawing	NIL	30/07/2018	84	Employability	Technical	
NPTEL-Advance Aircraft Maintenance	NIL	28/01/2019	84	Employability	Technical	
NPTEL-Advance power electronics and Control	NIL	28/01/2019	84	Employability	Technical	
NPTEL-Advanced Engineering Mathematics	NIL	28/01/2019	84	Employability	Technical	
NPTEL-Advanced IOT Applications	NIL	28/01/2019	56	Employability	Technical	
NPTEL-Advances in	NIL	28/01/2019	56	Employability	Technical	

UHV Transmission and Distribution						
NPTEL-AI: Knowledge Re presentation and Reasoning	NIL	28/01/2019	84	Employabil ity	Technical	
NPTEL-An Introduction to Microecon omics	NIL	28/01/2019	84	Employabil ity	Technical	
NPTEL- Analog Circuits	NIL	28/01/2019	56	Employabil ity	Technical	
NPTEL- Antennas	NIL	28/01/2019	84	Employabil ity	Technical	
NPTEL- Automatic Control	NIL	28/01/2019	56	Employabil ity	Technical	
NPTEL- Basics of Finite Element Analysis-I	NIL	28/01/2019	84	Employabil ity	Technical	
NPTEL- Better Spoken English	NIL	28/01/2019	84	Entreprene urship	Softskill	
NPTEL- Biomedical n anotechnolog y	NIL	30/07/2018	84	Employabil ity	Technical	
NPTEL- Blockchain Architecture Design and Use Cases	NIL	30/07/2018	84	Employabil ity	Technical	
NPTEL- Calculus of One Real Variable	NIL	30/07/2018	84	Employabil ity	Technical	
NPTEL- Cloud Computing	NIL	30/07/2018	84	Employabil ity	Technical	
NPTEL- Cloud Computing and Distributed Systems	NIL	30/07/2018	84	Employabil ity	Technical	

NPTEL-Cognition, Transformation and Lives	NIL	30/07/2018	84	Employability	Technical
NPTEL-Computational Fluid Dynamics	NIL	30/07/2018	84	Employability	Technical
NPTEL-Computer Architecture	NIL	30/07/2018	84	Employability	Technical
NPTEL-Computer Networks and Internet Protocol	NIL	30/07/2018	84	Employability	Technical
NPTEL-Consumer Psychology	NIL	30/07/2018	84	Employability	Technical
NPTEL-Contemporary Architecture and Design	NIL	30/07/2018	84	Employability	Technical
NPTEL-Control Engineering	NIL	30/07/2018	84	Employability	Technical
NPTEL-Corporate social responsibility	NIL	30/07/2018	84	Entrepreneurship	Softskill
NPTEL-Culturally Responsive Built Environments	NIL	30/07/2018	84	Employability	Technical
NPTEL-Dairy and Food process and products technology	NIL	30/07/2018	84	Entrepreneurship	Technical
NPTEL-Data Base Management Systems	NIL	30/07/2018	84	Employability	Technical
NPTEL-Deep Learning	NIL	30/07/2018	84	Employability	Technical
NPTEL-Design and Analysis of Algorithms	NIL	30/07/2018	84	Employability	Technical
NPTEL-Design and	NIL	30/07/2018	84	Employability	Softskill

pedagogy of
the
introductory
programming
course

NPTEL-
Design for
Quality, Man
ufacturing
and Assembly

NIL

30/07/2018

84

Employabil
ity

Technical

NPTEL-
Design of
photovoltaic
systems

NIL

30/07/2018

84

Employabil
ity

Technical

NPTEL-
Design
Practice -
II

NIL

30/07/2018

84

Employabil
ity

Technical

NPTEL-
Developing
Soft Skills
and
Personality

NIL

30/07/2018

84

Entreprene
urship

Softskill

NPTEL-
Development
of Sociology
in India

NIL

30/07/2018

84

Entreprene
urship

Softskill

NPTEL-
Digital
Circuits

NIL

30/07/2018

84

Employabil
ity

Technical

NPTEL-
Digital
Image
Processing

NIL

30/07/2018

84

Employabil
ity

Technical

NPTEL-
Discrete
Mathematics

NIL

30/07/2018

84

Employabil
ity

Technical

NPTEL-E-
business

NIL

30/07/2018

84

Entreprene
urship

Softskill

NPTEL-
Ecology and
Environment

NIL

30/07/2018

84

Entreprene
urship

Softskill

NPTEL-
Economics of
Health and
Health Care

NIL

30/07/2018

84

Entreprene
urship

Softskill

NPTEL-
Educational
Leadership

NIL

30/07/2018

84

Entreprene
urship

Softskill

NPTEL-
Electrical
Distribution

NIL

30/07/2018

84

Employabil
ity

Technical

	System Analysis					
	NPTEL-Embedded Systems-Design Verification and Test	NIL	30/07/2018	84	Employability	Technical
	NPTEL-Engineering Metrology	NIL	30/07/2018	84	Employability	Technical
	NPTEL-Engineering Thermodynamics	NIL	30/07/2018	84	Employability	Technical
	NPTEL-English Language for Competitive Exams	NIL	30/07/2018	84	Entrepreneurship	Softskill
	NPTEL-Ethics in Engineering Practice	NIL	30/07/2018	84	Entrepreneurship	Softskill
	NPTEL-Experimental Stress Analysis-An Overview	NIL	30/07/2018	84	Entrepreneurship	Softskill
	NPTEL-Facts Devices	NIL	30/07/2018	84	Employability	Technical
	NPTEL-Farm Machinery	NIL	30/07/2018	84	Employability	Technical
	NPTEL-Fluid dynamics and turbomachines	NIL	30/07/2018	84	Employability	Technical
	NPTEL-Fundamentals of Electrical Engineering	NIL	30/07/2018	84	Employability	Technical
	NPTEL-Fundamentals of Food Process Engineering	NIL	30/07/2018	84	Employability	Technical
	NPTEL-Fundamentals of manufacturing processes	NIL	30/07/2018	84	Employability	Technical
	NPTEL-Gender	NIL	30/07/2018	84	Entrepreneurship	Softskill

justice and workplace security						
NPTEL-Intellectual Property	NIL	30/07/2018	84	Entrepreneurship	Softskill	
NPTEL-Interaction Design	NIL	30/07/2018	84	Employability	Technical	
NPTEL-Introduction to Abstract and Linear Algebra	NIL	30/07/2018	84	Employability	Technical	
NPTEL-Introduction to Basic Spoken Sanskrit	NIL	30/07/2018	84	Entrepreneurship	Softskill	
NPTEL-Introduction to Cultural Studies	NIL	30/07/2018	84	Entrepreneurship	Softskill	
NPTEL-Introduction to Internet of Things	NIL	30/07/2018	84	Employability	Technical	
NPTEL-Introduction to Machine Learning	NIL	30/07/2018	84	Employability	Technical	
NPTEL-Introduction to Modern Indian Political Thought	NIL	30/07/2018	84	Entrepreneurship	Softskill	
NPTEL-Introduction to Programming in C	NIL	30/07/2018	84	Employability	Technical	
NPTEL-Introduction to R Software	NIL	30/07/2018	84	Employability	Technical	
NPTEL-Introduction to Research	NIL	30/07/2018	84	Employability	Technical	
NPTEL-Introduction to Wireless and Cellular Communications	NIL	30/07/2018	84	Employability	Technical	

NPTEL-Irrigation and Drainage	NIL	30/07/2018	84	Employability	Technical
NPTEL-Knowledge Management	NIL	30/07/2018	84	Entrepreneurship	Softskill
NPTEL-Landscape Architecture and Site Planning - Basic Fundamentals	NIL	30/07/2018	84	Entrepreneurship	Technical
NPTEL-Laws of thermodynamics	NIL	30/07/2018	84	Employability	Technical
NPTEL-Leadership	NIL	30/07/2018	84	Entrepreneurship	Softskill
NPTEL-Management of Inventory Systems	NIL	30/07/2018	84	Entrepreneurship	Softskill
NPTEL-Entrepreneurship Essentials	NIL	28/01/2019	84	Entrepreneurship	Softskill
NPTEL-Environmental Remediation of Contaminated Sites	NIL	28/01/2019	84	Entrepreneurship	Technical
NPTEL-Ethics in Engineering Practice	NIL	28/01/2019	84	Entrepreneurship	Softskill
NPTEL-Evolution of Air Interface towards 5G	NIL	28/01/2019	84	Employability	Technical
NPTEL-Financial Institutions and Markets	NIL	28/01/2019	84	Entrepreneurship	Softskill
NPTEL-Financial Mathematics	NIL	28/01/2019	84	Entrepreneurship	Technical
NPTEL-Financial Statement Analysis and Reporting	NIL	28/01/2019	84	Entrepreneurship	Technical

NPTEL-Friction and Wear of Materials: Principles and Case Studies	NIL	28/01/2019	84	Employability	Technical
NPTEL-Fundamentals of Power Electronics	NIL	28/01/2019	84	Employability	Technical
NPTEL-Fundamentals of semiconductor devices	NIL	28/01/2019	84	Employability	Technical
NPTEL-Fuzzy Logic and Neural Networks	NIL	28/01/2019	84	Employability	Technical
NPTEL-Global Marketing Management	NIL	28/01/2019	84	Entrepreneurship	Softskill
NPTEL-Graph Theory	NIL	28/01/2019	56	Employability	Technical
NPTEL-Hardware Security	NIL	28/01/2019	84	Employability	Technical
NPTEL-Heat Transfer	NIL	28/01/2019	84	Employability	Technical
NPTEL-Human Behaviour	NIL	28/01/2019	56	Entrepreneurship	Softskill
NPTEL-IC Engines and Gas Turbines	NIL	28/01/2019	84	Employability	Technical
NPTEL-Industrial Automation and Control	NIL	28/01/2019	84	Employability	Technical
NPTEL-Information Security - 5 - Secure Systems Engineering	NIL	28/01/2019	56	Employability	Technical
NPTEL-Inspection and Quality Control in Manufacturing	NIL	28/01/2019	84	Entrepreneurship	Technical

NPTEL-Introduction to Airplane Performance	NIL	28/01/2019	56	Entrepreneurship	Technical
NPTEL-Introduction to Automata, Languages and Computation	NIL	28/01/2019	84	Employability	Technical
NPTEL-Introduction to Chemical Thermodynamics and Kinetics	NIL	28/01/2019	84	Employability	Technical
NPTEL-Introduction to Coding Theory	NIL	28/01/2019	56	Employability	Technical
NPTEL-Introduction to Cognitive Psychology	NIL	28/01/2019	84	Entrepreneurship	Softskill
NPTEL-Introduction To Composites	NIL	28/01/2019	84	Employability	Technical
NPTEL-Introduction to Fluid Mechanics	NIL	28/01/2019	84	Employability	Technical
NPTEL-Introduction to Industry 4.0 and Industrial Internet of Things	NIL	28/01/2019	84	Entrepreneurship	Technical
NPTEL-Introduction to Internet of Things	NIL	28/01/2019	84	Employability	Technical
NPTEL-Introduction to Machining and Machining Fluids	NIL	28/01/2019	84	Employability	Technical
NPTEL-Introduction To Mechanical Micro	NIL	28/01/2019	84	Employability	Technical

	Machining					
	NPTEL-Introduction to Research	NIL	28/01/2019	84	Entrepreneurship	Technical
	NPTEL-Introduction to Soft Computing	NIL	28/01/2019	56	Employability	Technical
	NPTEL-Introduction to the Psychology of Language	NIL	28/01/2019	84	Entrepreneurship	Softskill
	NPTEL-Joining Technologies for metals	NIL	28/01/2019	84	Employability	Technical
	NPTEL-Manufacturing Systems Technology I II	NIL	30/07/2018	84	Employability	Technical
	NPTEL-Marketing Management-I	NIL	30/07/2018	84	Entrepreneurship	Softskill
	NPTEL-Marketing research and analysis	NIL	30/07/2018	84	Entrepreneurship	Softskill
	NPTEL-Matrix Analysis with Applications	NIL	30/07/2018	84	Employability	Technical
	NPTEL-Matrix Solver	NIL	30/07/2018	84	Employability	Technical
	NPTEL-Mechanics of Human Movement	NIL	30/07/2018	84	Employability	Technical
	NPTEL-Modern Construction materials	NIL	30/07/2018	84	Employability	Technical
	NPTEL-MultiCore Computer Architecture-Storage and Interconnects	NIL	30/07/2018	84	Employability	Technical

NPTEL-Nano technology in Agriculture	NIL	30/07/2018	84	Employability	Technical
NPTEL-Nature and Properties of Materials	NIL	30/07/2018	84	Employability	Technical
NPTEL-Noise Management and Control	NIL	30/07/2018	84	Employability	Technical
NPTEL-Nonlinear and Adaptive Control	NIL	30/07/2018	84	Employability	Technical
NPTEL-Numerical methods	NIL	30/07/2018	84	Employability	Technical

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
View File		

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	Mechanical Engineering (UG)	18/06/2018
BE	Computer Engineering (UG)	17/12/2018
BE	Electronics and Telecommunication (UG)	17/12/2018
BE	Electrical Engineering (UG)	17/12/2018
BE	Information Technology Engineering (UG)	17/12/2018
BE	Mechanical Engineering (UG)	17/12/2018
ME	Computer Engineering (PG)	16/07/2018
ME	Electronics and Telecommunication (PG)	16/07/2018
ME	Electrical Engineering (PG)	16/07/2018
ME	Mechanical Engineering (PG)	16/07/2018

ME	Computer Engineering (PG)	15/01/2019
ME	Electronics and Telecommunication (PG)	15/01/2019
ME	Electrical Engineering (PG)	15/01/2019
ME	Mechanical Engineering (PG)	15/01/2019
MCA	Master in Computer Application (PG)	15/06/2018
MCA	Master in Computer Application (PG)	17/12/2018
MBA	Master in Bussiness Administrator (PG)	01/08/2018
MBA	Master in Bussiness Administrator (PG)	01/01/2019
BE	Computer Engineering (UG)	18/06/2018
BE	Electronics and Telecommunication (UG)	18/06/2018
BE	Electrical Engineering (UG)	18/06/2018
BE	Information Technology Engineering (UG)	18/06/2018

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

	Certificate	Diploma Course
Number of Students	2744	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
No Data Entered/Not Applicable !!!		
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	Electrical Engineering (UG)	106
BE	Electronics and Telecommunication (UG)	82
BE	Mechanical Engineering (UG)	100
BE	Computer Engineering (UG)	49
BE	Information Technology Engineering (UG)	24

MBA	Master in Bussiness Administrator (PG)	198
MCA	Master in Computer Application (PG)	67
No file uploaded.		

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
<p>The institute collects feedback on curriculum aspects and courses from different stakeholders such as the students, alumni, Faculty and Employers. Institute is having an Academic Monitoring Committee in order to ensure and analyze the academic excellence at student and faculty levels. Periodical analysis is made by Academic Monitoring Committee from the following: student performance, faculty performance in every semester, utilization of infrastructure and requirements for quality enrichment. Institute thoroughly reviews the curriculum for every academic year. The Institute maintains an IQAC as a quality consistency and quality enhancement measure. In supervision of IQAC, various departments and committees like Career Guidance, Anti-Ragging and Sexual Harassment Committee, etc reinforce the curriculum by incorporating updated information and diurnal social issues. Broadly, the following process is opted for Feedback Mechanism: Designing of feedback questionnaires with defined parameters by the IQAC adhering to the parameters related to the stakeholder. Planning and inclusion of various types' feedback in the Institutional academic calendar and departmental academic planner. Collection of feedback at department level periodically as per schedule in the academic calendar. Analysis of each type feedback based on pre-defined parameters by the academic coordinator along with head of the department and further communication of analysis to the IQAC for consideration. Discussion on corrective measures to be taken in the IQAC meeting. Corrective measures and actions are taken at department and Institute level as per the IQAC suggestions. Institute collects the feedback physically from stockholders viz. Students, Parents and Teachers on Curriculum as well as on Infrastructure. The Institute conducts Alumni Meet, in which suggestions and feedback is received from Alumni students. Alumni surveys are taken during alumni interaction. Feedback from industrial management and professionals are also obtained through Training and Placement Cell. The provided feedback data is presented to the Academic Meeting for necessary implementation in curriculum. Stakeholders for the feedback system are Student, Parents, Teachers, Alumni and Employers. Student feedback mainly relates to Curriculum, Facilities. They are as follows: i. Mid Term Feedback ii. Course Exit Survey Feedback iii. End Term Feedback iv. Feedback on facilities v. Graduate Exit Surveys Feedback Parent feedback is for tuning the teaching learning process and facilities provided for the same. Teacher feedback is a review of teaching of a teacher by a peer team of teachers. Alumni feedback focuses on overall suggestions and improvements in curriculum, technologies and facilities. Employer feedback shows the</p>

competencies of alumni working with employers.

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
No Data Entered/Not Applicable !!!				
View File				

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	2825	553	154	27	27

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
208	159	19	39	12	16
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)

- The institute has established Mentoring system to provide support and guidance to the students. It plays vital role in the student's overall development. The objective of the Mentor-Mentee system is to facilitate students with academic, administrative, career guidance for their overall development. • Around 15- 20 students as mentee are allotted to each faculty mentor, from the first year. These students are the mentees of the particular mentor throughout their engineering program, which helps to develop a bond between mentor and mentees. For effective implementation of the system the mentor-mentee meetings are pre-planned in the academic calendar of the Institute and academic planner of each department. • Each mentee's records are maintained by their respective mentors in the form of Student Profile booklet containing academic performance, participation in co-curricular, extracurricular activities and any other initiative. • The Mentor-Mentee meetings are conducted thrice in a semester, based on the mentee's area of interest and technological trends, mentor provides guidance to improve academic performance, interpersonal skills, encourages students to participate in co-curricular, extracurricular activities which leads to overall development of the mentee. • General counselling sessions are arranged for all mentees for their motivation. • Depending on the discussion carried out during the meetings, the mentoring session may be upgraded to specific counselling session as per requirement. • Expert sessions are organized regularly on the topics such as stress management, higher studies, health awareness, Yoga sessions and career guidance etc. • Parent's Meet is arranged regularly, where mentors along with class in-charge interact with the parents and discuss about performance and other issues of their ward. • Sessions for faculty members for effective mentoring are organized regularly. • The mentors take full charge of their mentees and mentor them in the following areas: 1. Facilitates career exploration and development. 2. Improvements in behavior and / or attendance 3. Developing self confidence 4. Improved peer relationships 5. Realizing the real value of life Benefits of a Mentoring System to mentees: • Enhances the students' confidence and challenges them by setting higher goals, taking risks and ultimately guiding them to achieve higher levels. • Individual

recognition and encouragement. • Psychosocial support as per the requirement. • Routine advice on balancing of academic and professional responsibilities. • Mentors act as role models and facilitate leadership by developing the interpersonal skills and helping students thrive in competitive environments • Mentees are developed to work in professional carrier with social ethical aspect. Outcome of the system With the mentoring system, • Improved academic achievement of mentees. • Increased their participation in various co-curricular and extracurricular activities. • Opened up with mentors to share their personal issues (if any). • Holistic development of mentees. • Mentees with clear vision for their professional carrier and higher studies.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3378	208	1:16

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
174	208	Nil	15	22

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
No Data Entered/Not Applicable !!!			
View File			

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
No Data Entered/Not Applicable !!!				
View File				

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

• Continuous Internal Evaluation (CIE) is the internal mode of assessment. An academic calendar clearly specifying the period for internal assessment to take place during the semester. The evaluation system, as adopted by the Institute, has two components, viz, 1. The Continuous Internal Evaluation (CIE) 2. The End Semester Examination (ESE). • For effective implementation of Continuous Internal Evaluation (CIE) system at the institutional level, various assessment tools are implemented. • Various assessment tools are as follows: 1. Unit Test 2. Open Book Test 3. MCQ Test 4. Assignments 5. Tutorials 6. Quiz 7. Case Study 8. Field Visit / Study tour report evaluation 9. Group Project Internal Viva-Voce 10. Group Discussion 11. Role Play / Story Telling 12. Individual Term Paper 13. Learning Diary 14. Scrap Book 15. Newspaper reading • The question paper is set as per Blooms Taxonomy on every unit of the course. Quality of question paper is verified by the Domain/ Module coordinator/ Quality Assurance Committee. For Assessment and Evaluation of Internal Question Papers marking scheme/ ideal solution is presented and preserved by course coordinator. Internal assessment is done by course coordinator as per assessment rubrics

which are set for theory as well as practical sessions. Result analysis is done and attainment of COs is observed. Answer sheets are shown to the students for providing sufficient transparency, accountability and analysis for improvement

- With various assessment tools, it helps the student to explore various learning resources which will enable to develop self-study, analytical and reasoning capabilities.

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

- Institutional academic calendar and planner is prepared at the commencement of every term for smooth and scheduled conduction of academic and co-curricular activities.
- Objectives are, to execute all academic activities from term commencement to term conclusion and university examination schedules as per directives of Savitribai Phule Pune University, to execute all academic activities as per academic calendar and planner of the institute.
- It incorporates the schedules for 1. Term commencement 2. Registration of students 3. Periodic syllabus review 4. Periodic attendance review 5. Periodic internal and University assessments 6. Periodic various types of feedbacks 7. Schedule for Mentor Mentee meetings 8. Various meetings related to academics issues 9. Parent's meet 10. All co-curricular activities scheduling and execution
- This practice is continued at the departmental level by preparing departmental academic calendar/planner for Undergraduate as well as Post Graduate Programme. The academic activities are ensured as per the calendar. The execution report is prepared at every term conclusion so as to ensure the adherence of all activities with academic calendar and planner.

2.6 – Student Performance and Learning Outcomes

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

<https://moderncoe.edu.in/part-b-criterion-2-6-1-18-19.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
No Data Entered/Not Applicable !!!					
View File					

2.7 – Student Satisfaction Survey

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

https://moderncoe.edu.in/dist/documents/Updated%20SSS_2018-19.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				
View File				

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
A session on other Sources and Grid Connection	Electrical Engineering	30/08/2018
A Session on Nano technology its applications	Electrical Engineering	01/09/2019
A session on Power Quality - Case studies	Electrical Engineering	27/07/2018
A session on Solar Energy	Electrical Engineering	25/09/2018
A session on Different Battery Charging Strategies and Recent Developments in Hybrid Electric Vehicals	Electrical Engineering	24/09/2018
Autowagen Workshop	Mechanical Engineering	23/08/2018
Non Destructive Testing workshop	Mechanical Engineering	03/09/2018
Seminar on "Evaluation in Race Car Design"	Mechanical Engineering	21/08/2018
Seminar on "Design Methodology"	Mechanical Engineering	06/09/2018
Seminar on "Carrer Guidance and Job Opportunities"	Mechanical Engineering	26/07/2018
Guest lecture on " Project Management"	Mechanical Engineering	09/02/2019
"India First Leadership Talk Series" Fourth Episode (Live Session) Future of Technical education in India	IIC PESMCOE	22/04/2019
"India First Leadership Talk Series" Third Episode (Live Session) Art of Decision Making	IIC PESMCOE	19/03/2019
India First Leadership Talk Series" Second Episode (Live Session) Planning for Career, Future industry trends And Startup.	IIC PESMCOE	24/01/2019
IPR for Student and Faculty (By MHRD)	IIC PESMCOE	10/01/2019
IPR for Student and Faculty (By Dr. Nitin Tewari)	IIC PESMCOE	10/01/2019

"India First Leadership Talk Series" First Episode (Live Session) Planning for Career, Future industry trends And Startup	IIC PESMCOE	08/01/2019
Exploring Image and Video Processing using Python	Electronics and Telecommunication Engineering	10/09/2018
Workshop on Arduino and its interfacing with different sensors	Electronics and Telecommunication Engineering	08/07/2018
Session on Career Opportunities for an ETC engineer opportunities as an Entrepreneur.	Electronics and Telecommunication Engineering	21/08/2018
Project Orientation	Electronics and Telecommunication Engineering	19/07/2018
LabView for Signal Processing and Communication	Electronics and Telecommunication Engineering	18/08/2018
Machine Learning and its applications in health care domain	Electronics and Telecommunication Engineering	10/06/2018
Hands on training on different software's -ETAP	Electrical Engineering	25/07/2018
Workshop on Testing and Maintenance of Electrical Measuring Instruments	Electrical Engineering	22/09/2018
Workshop on Eagle software for PCB Design	Electrical Engineering	03/10/2018
Workshop on Power Electronics using MATLAB	Electrical Engineering	21/08/2018
Hands on Workshop on Numerical Method using MATLAB Programming	Electrical Engineering	23/03/2019
Workshop on PLC SCADA at ITI Aundh	Electrical Engineering	27/08/2018
Workshop for Switchgear and Protection at LT STC	Electrical Engineering	18/03/2019
GATE: Gateway for opportunities in Government sectors and higher education	Electronics and Telecommunication Engineering	22/01/2019
Session on Effective Communication, Presentation and Leadership skills in students	Electronics and Telecommunication Engineering	29/01/2019

Guest lecture on Industrial Automation	Electronics and Telecommunication Engineering	14/02/2019
One day Workshop on Research Methodology	Electronics and Telecommunication Engineering	23/02/2019
Preparation for placements and competitive exams for MBA	Electronics and Telecommunication Engineering	26/02/2019
Session on Multichannel Systems	Electronics and Telecommunication Engineering	02/03/2019
Two Days Workshop on Python Programming	Computer Engineering	28/02/2019
A Webinar on Data Analytics using R	Computer Engineering	26/07/2018
How to get Internships at Internshala Portal	Computer Engineering	23/01/2018
A Session on Basics of Java Programming	Computer Engineering	22/09/2018
A seminar on Project Selection:Industry Aspects	Information Technology Engineering	19/01/2019
Training session on kotlin in android studio	Information Technology Engineering	28/07/2018
Guest lecture on Intellectual Property Rights	Information Technology Engineering	22/02/2019
Workshop on IoT	Information Technology Engineering	25/02/2019
Workshop on Bigdata Hadoop	Information Technology Engineering	27/02/2019
Web Development stack and why C	Information Technology Engineering	27/08/2018
Guest Lecture on Spring Bootstrap	Master of Computer Applications	07/07/2018
Guest Lecture on Agile	Master of Computer Applications	14/07/2018
Guest Lecture on Business Analytics	Master of Computer Applications	04/08/2018
Guest Lecture on Big Data and Business Analytics	Master of Computer Applications	19/01/2019
Organizational Tranformation Through Industry 4.0- International Workshop	Master of Business Administration	13/02/2018
Industry Revolution 4.0- Are you Technologically Ready?-Seminar	Master of Business Administration	28/12/2018

Cross Culture Issues in Changing Times- Seminar	Master of Business Administration	24/01/2019
Interpersonal Communication- Workshop	Master of Business Administration	15/10/2018
Impact of Disruptive Technology on Changing Jobs and Careers - Seminar	Master of Business Administration	24/01/2019
Skills Mission and Entrepreneurship Program- Seminar	Master of Business Administration	04/03/2019
Lab in Training- Workshop	Master of Business Administration	06/08/2018
Transactional Analysis- Workshop	Master of Business Administration	16/04/2019
Competency Mapping - Workshop	Master of Business Administration	04/01/2019
Business Communication Lab- Workshop	Master of Business Administration	03/08/2018
Financial Analytics- Workshop	Master of Business Administration	04/02/2019
Soft Skills- Workshop	Master of Business Administration	07/08/2018
Workshop on Research Methodology	Central Library and Electronics and Telecommunication Engineering	23/02/2019
Trainning session on SLIM Web OPAC	Central Library	23/01/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
View File				

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 Data Entered/Not Applicable !!!					
View File					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	7	17

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

Name of the Department	Number of PhD's Awarded
Electronics and Telecommunication	1

Engineering	
Computer Engineering	1
First Year Engineering	1
Master of Business Administration	2

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)
No Data Entered/Not Applicable !!!			
View File			

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
No Data Entered/Not Applicable !!!	
View File	

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
No Data Entered/Not Applicable !!!						
View File						

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
No Data Entered/Not Applicable !!!						
View File						

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				
View File				

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
No Data Entered/Not Applicable !!!			
View File			

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 !!!			
View File			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!				
View File				

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
No Data Entered/Not Applicable !!!			
View File			

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
No Data Entered/Not Applicable !!!					
View File					

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
No Data Entered/Not Applicable !!!			
View File			

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
51008300	38409304

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing

Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Others	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
No file uploaded.	

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
SLIM 21	Fully	3.6.0	2006

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
View File			

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 Data Entered/Not Applicable !!!			
View File			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwidt h (MBPS/ GBPS)	Others
Existin g	940	32	940	1	1	20	920	120	39
Added	200	5	200	0	0	12	188	95	1
Total	1140	37	1140	1	1	32	1108	215	40

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

215 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
LMS Moodle(server version 3.3.), Web site creation (World press), Video lecture Creation	https://moderncoe.edu.in/dist/documents/4.3.3%20facility%20for%20E%20conent%202018%2019.pdf

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1492730	1116427	5355000	3798722

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)

• Purchase Purchase of all the equipment, software and consumables of department is through the purchase committee. Term wise list of requirement of equipment, software and consumables are prepared by all HODs and submitted to Purchase Committee with list of vendors. The priority is decided by Purchase Committee considering the factors like previous stock, urgency, budget etc. The Institute has a well-defined and transparent process for purchase. • Dead Stock Register(DSR)and Write off Stores Department maintains Central DSR and it is duly signed by Stores In charge, Internal Auditor and Principal. One copy of the Purchase order and its bill is sent from Account's section to Stores for Central DSR numbering and it is transferred to Department DSR. Each department maintains supporting file with all verification and testing reports and copy of POs. Department level DSR's are duly signed by HOD's and Principal. Physical Stock verification and DSR entries along with the detailed report are submitted to Principal before end of every Academic year. The policy of the institute is to ensure that all the equipments are maintained in good working condition during the life of the asset. If any equipment is not repairable, due process is followed before declaring it as scrap. • Maintenance Maintenance is done to enhance the useful life of the equipment, minimize the total operating costs directly attributed to equipment service and repair and enhance the safety of manpower. Maintenance is done of Equipments, Furniture and Workshop either by in house or external agency. All department labs are supervised by lab in charges who oversee the work of the technical/ lab assistant. The maintenance of the lab including resolution of minor problems is carried out by the technical/ lab assistant. In case of any major problem, the authorized agency appointed for troubleshooting is contacted for carrying out the repairs. At the end of each term the report related to preventive maintenance of the equipment in each laboratory is prepared. Besides this, Civil and other infrastructural maintenance is taken care of by the committee as and when required through clear procedures. The Institute also has annual maintenance contracts with agencies for ongoing housekeeping and maintenance.

<https://moderncoe.edu.in/dist/documents/4.4.2%20Maintanane%20procedure%20and%20Policy%202018-19.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
No Data Entered/Not Applicable !!!			
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
No Data Entered/Not Applicable !!!			
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 passed in the comp. exam	Number of students placed
2018	Competitive Examination/ Career Counselling	318	728	28	588
No file uploaded.					

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
59	59	3

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
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	Department graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
View File					

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
No Data Entered/Not Applicable !!!	
View File	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
View File		

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
No Data Entered/Not Applicable !!!						
View File						

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

The aim of forming Student council is to involve the students in academic, administrative, co-curricular and extracurricular activities. It nurtures students growth with various activities by making them ethical individuals to compete in the globalized world. Objectives of the Student Council at our Institute are as follows: 1. To create a platform for enhancing the students managerial, decision making, leadership, social and cultural skills. 2. To encourage and motivate the students to plan and execute programs, activities and events conducted at various levels. 3. Identifying student representation for various college committees. 4. Applying the knowledge imbibed for adopting sustainable practices. 5. To imbibe responsibility towards societal, environmental, legal and cultural issues for life-long learning. Student Council is constituted by Institution as per the provisions of Maharashtra Universities Act, 1994 and a student shall be eligible to be, a member of any of the Students' Council, only if he/she is enrolled as a full time student.

Benefits of Student Council:

- Each student is allotted portfolios based on individual assessment and interviews conducted.
- Students' Representative for each portfolio works as an important part of linkage between students and institute for administrative purpose.
- Students' Representation is also maintained in various administrative committees such as IQAC, Academic Monitoring, Anti-Ragging Committee, Grievance Committee and other student development activities.
- The student council promotes and co-ordinates the different institute level student activities like Professional Society Student Chapters, ED cell, department level student association, T P cell, M-Pulse, Art Circle, College magazine - Karmanya, NSS, Alumni activities, Institute Social Responsibility Cell (ISR), Sports and various student clubs for their overall development.
- It acts as a learn platform for the students to develop their organizational skills, personal skills along with execution, which help in their comprehensive development.
- Student members of the council also observe important days like National Festivals, Birth/Death Anniversaries of important leaders, International Women's Day, International Yoga Day, Sports Day, Sanvidhan Din, Teachers Day, Social initiatives - Joy of giving Week, Engineers day, Kargil din etc. to cultivate the spirit of civic awareness and culture building.

Contribution of the Student Council in Academic Administration: The student council members help in the co-ordination of 1. Day to day academic

activities. 2. Communicating the information between students and Teaching faculty 3. Conducting events like Seminars, Workshops, Symposium, National Level Conference etc. 4. Organizing Cultural events, Sports Games for the students

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The MCOE Alumni Cell has been working actively since many years. We believe that every alumni of the institute has some useful knowledge to be shared among the current students of the institute. Therefore, MCOE Alumni Cell always tries to have interactions of alumni with the student in the form of seminars, guest lectures, evaluator for project competitions and many more. The cell has been successfully working to bridge the gap between Academic world and Professional world via such activities. All the alumni are enthusiastic and eager to contribute in every possible way they can. This positive approach shows their attachment with the institute and junior students. The Institute has number of alumni working in several streams and latest, upcoming technology. They know what exactly industry demands from the graduates. Through various modes of communication like guest lectures, judges for project exhibition, conducting workshops, DAB meetings and Alumni meets etc. these alumni convey the area to be emphasized from the point of view industry person and helps them to get better placement opportunity. This also helps students for getting project sponsorship and internship opportunities. Thus alumni network is continuously acting as a bridge between an Institution and the Industry. Alumni meet happens to be most interactive platform for students and Institute to exchange thoughts and ideas for students enhancement. Institutes alumni help students in all co curricular and extra curricular activities and events which contribute to the all round development of students. Alumni cell also helps our students to provide guidance in opportunities for pursuing higher education or even starting new business. As our alumni have gone to the corners of the world to pursue higher education, many students have started their own companies. These students inspire our graduates for betterment of own future. MCOE Alumni Cell strives for excellence with its motto of CONNECT , INSPIRE and GROW. Alumni are well connected with the students, they keep on INSPIRING students and students follow their path and eventually they follow the same chain. Thus the network keeps on GROWING with this practice.

5.4.2 – No. of enrolled Alumni:

617

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

154250

5.4.4 – Meetings/activities organized by Alumni Association :

As per the plan of the alumni activities to be executed in the academic year 2018-19, following activities have been conducted successfully. • Workshop on recent trends in Embedded and Web applications was conducted on 11,12,13/06/2018 by Ashish Wani, Saurabh Morankar • Workshop on Machine Learning and Image Processing using Python was conducted on 18,19,20/06/2018 by Rajendraprasad Lawte, Shubham Jadhav • Guest lecture on Guidance on Campus Placement Rounds was conducted on 11/7/2018 by Sayali Bhide and Rutuja Bhatambrekar • Session on Unit and Integration Testing using JUnit Framework was conducted on 30/07/2018 by Nachiket Kulkarni • Guest Lecture on Mobile Application development using Android Studio and Firebase was conducted on 25/08/2018 by Rahul Choube. • Guest Lecture on Spring Boot was conducted on

7/7/2018 Parishrut Karanjikar • Session on Johari Window under SAE Katta was conducted on 11/8/2018 by Kunal Ganorkar. • Guidance on TCS Placement Drive was conducted on 31/8/2018 by Sharvari Gokhale, Ketaki Pathak • Guest Lecture on Modern Trends in Boilers was conducted on 1/9/2018 by Ajinkya Bhide • Session on Introduction to NPO was conducted on 8/9/2018 by Surabhi Jejurikar, Sagarika Bibikar • Seminar on How to prepare for Aptitude Test was organized on 27/9/2018 by Nakul Deshpande • Session on Machine Learning and its Applications in Health Care was conducted on 6/10/2018 by Akhil Nair • Workshop on LabVIEW for Signal Processing and Communication was organized on 18,19/09/2018 by Rohan Kanitkar • Session on Evaluation of Mini Projects was organized on 6/10/2018 by Nachiket Kulkarni, Vinamra Pathak, Aditi Chavhan, Ishwari Kulkarni • Review of Project Progress by Industry Expert was conducted on 5/10/2018 by Sarang Kunte • Session on Introduction to GPU and Kuda Processing was conducted on 6/10/2018 by Adil Hussain • Review of Project Progress by Industry Expert was organized on 4/10/2018 by Anubhav Shrivastav • Workshop on Developing Solar Based Experimental Kits was conducted on 12/10/2018 by Sandeep Bapat • Guest Lecture on Multichannel systems in optical communication was conducted on 02/03/2019 by Ganesh Totala • Two days workshop on Python Programming was conducted on 28/02/2019, 01/03/2019 by Mr Yoge-shwar Shukla, Mr. Gaurav Bhokare • Workshop on Computer Graphics using open GL was conducted on 18, 27/02/2019 by Gaurav Bhokare • Seminar on Project management in automobile sector was conducted on 09/02/2019 by Saurabh Pansare • Session on Career guidance and studies abroad was conducted on 23/01/2019 by Aneesh Shetye

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 Principal, who is the academic head of the institute is supported by the Management to fulfil the vision and mission of the institution. All major policy decisions are implemented in the institute after the approval of the College Development Committee and Board of Governors. Academic responsibilities are fairly divided among all the staff members. Different committees have been constituted for smooth functioning of various academic and co-curricular activities. The list of committees is displayed at the beginning of the year. This ensures transparency in policy execution. The responsibilities are communicated to the faculty members. The Principal holds regular meetings with the teaching and non-teaching staff to discuss academic and administrative points and arrive at a decision. The Heads of Departments monitor the functioning of their respective department. The office administration of the College is managed by the Office Superintendents who in consultation with the Principal co-ordinate the day-to-day activities. The Techno-management event M-Pulse is coordinated at central level, and organized by all the departments.

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	Our admissions are done strictly as per DTE, Government of Maharashtra mandate as per CET / JEE scores through Centralized Admission Process as well as through Institute Level Quota

Human Resource Management	<p>Faculty and staff requirements are assessed and recruitment is done through duly constituted selection committees. Staff Development Programs are conducted for skill building and to ensure a healthy work environment. To upgrade and enhance the standards of academic environment, teaching faculties are sent to various refresher, orientation and Short Term courses. Teaching faculties are given On Duty Leave to participate in national and international conferences, workshops, University examination related work, paper presentation etc. Many welfare schemes are implemented for the staff.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>Library: Library is rightly regarded as the heart of an academic institution. Our Library is a knowledge hub with wide range of text books, reference books, journals, e-books, magazines, e resources and so on. SLIM 21 software is used for automation. Subscriptions to journals, e-journals and e-books as per the requirement of all departments are available. The library is having linkages through the institutional membership with British Library, Jayakar Library, Automotive Research Association of India (ARAI), Developing Library Network (DELNET) and National Digital Library of India.</p> <p>Library provides benefits to the students such as social welfare book bank for SC/ST category students and book bank for needy students. Apart from this, the library also provides facilities like one day issuing of reference books, extra two books issue facility to encourage regular users of the library. It also has digital library with Wi-Fi facility, audio video lab for watching NPTEL video lectures, language lab and so on. ICT : The ICT committee works for providing support for E-Learning, Online Courses, Webinar, Software training and workshops, Moodle platform, Google functionality, Language Lab, Audio-Visual Lab. • Physical Infrastructure: Purchase of all the equipment, Soft wares, Consumables of department is through the purchase committee on the basis of requirement submitted by the departments. The priority for purchase is on the basis of factors like previous stock, syllabus requirement,</p>

budget etc. The Institute has a well-defined and transparent process for purchase. Physical Stock verification is done at the end of every academic year. Regular maintenance is done for equipment, Furniture and Workshop either by in-house or external agency. Minor problems are attended to in house. The Institute also has campus security using surveillance cameras and canteen facility.

Curriculum Development

All programs run by the Institute follows the curriculum of Savitribai Phule Pune University. The Institute follows credit system for UG courses and choice-based credit system for PG courses wherein there is a flexibility to design various academic activities and selecting choice based extra credit skill-based courses. Value added courses, certification courses, choice of electives, audit courses are offered to the students keeping in view the demographic diversity and socioeconomic background.

Teaching and Learning

The teaching - learning process is facilitated through qualified, trained and experienced faculty and are continuously monitored through feedback mechanism. The feedback on the teaching and learning process is reviewed by head of the department for and is communicated to the concerned teaching faculty who then plans for improvements. All departments adhere to the academic calendar prepared for that particular year. Teaching plan, ARB, Course files are prepared for every course to monitor effective course delivery. Faculties adopt a variety of teaching learning techniques such as traditional chalk talk, ICT based teaching tools etc. Apart from class-room teaching, students are encouraged to use library and internet facilities.

Examination and Evaluation

The College Examination Officer (CEO) is appointed by the Principal of the Institute for proper management of examinations and to act as the interface between students and the University for Smooth Conduct of the examination. Proper care is taken to avoid unfair practices in the examination as per university rules. Examinations are conducted smoothly by making necessary administrative and infrastructure provisions. Committee

addresses issues of students during examination and co-ordinates solutions for the same. Exam related student grievances are taken care of and conveyed to University on timely basis. Examinations are conducted smoothly by making necessary administrative and infrastructure provisions.

Research and Development

Research has been considered as an important integral part of the academic endeavours in our institute. A Research Committee is appointed by the Principal of the Institute to strengthen and motivate the faculty members for improving and enhancing the standards of learning and research. Under this committee faculties' research projects as well as students' research projects are encouraged and given support for better outcomes. Institute organizes National, International conferences, symposium and workshops annually to promote research activity in the institution. The teaching staff is appraised, acknowledged and felicitated for their research paper publications in national and international journals and after completion of Ph.D. during CDC Meetings, Founder's Day, and annual functions of the society for encouragement and motivation.

Industry Interaction / Collaboration

The Institute's Industry Interaction Cell continuously strives for networking with industries representatives for placements, internships, suggestions in the curriculum development and other academic activities. The Institute has signed MoU's with many reputed companies for value added courses, Certification courses, internships, incubation centres and projects, arranging guest lectures etc. Apart from this they are also associated with CII, MCCIA, PMA and many more organizations as a member to improve industry academia linkages.

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

E-governance area	Details
Planning and Development	The Institute has a central server room to take care of the networking needs. E Governance is implemented in the areas of employee administration, Student data management, accounting and library management for smooth operations in the Institute

Administration	Library Management is done through 'SLIM 21' software. The Institute has started using E-reader devices to motivate reading practices. Student Management System (SMS) to manage students' data, Tally accounting software in the office, CCTV for security, Bio-Metrics for employee attendance were implemented. College domain ID's provided for Staffs.
Finance and Accounts	Tally Software is used to maintain records of all finances of the Institute.
Student Admission and Support	MIS has been implemented for maintaining student records. Different forms such as bonafide, NOC, application for transcript are provided to the students on the website in the download section .Student feedback has been taken through software.
Examination	Circulars and notices regarding examination has been put on display on the notice boards.

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
No Data Entered/Not Applicable !!!				
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)
No Data Entered/Not Applicable !!!						
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
No Data Entered/Not Applicable !!!				

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
178	208	84	106

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Health Insurance, Contributory Provident Fund, Accident Cover, Fee concession for wards, Gymkhana, Canteen	Health Insurance, Provident Fund, Accident Cover, Fee concession for wards, Gymkhana, Canteen	Scholarships, Earn and Learn Schemes, Book Bank Scheme, Accident Cover, Gymkhana, Canteen

6.4 – Financial Management and Resource Mobilization

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

The Institute has very effective mechanism to monitor effective use of financial resources. Expenses are first sanctioned by the Principal. The Principal of the Institute ensures that expenses are incurred for the purpose of implementing institutional plans. For any requirement for equipment or other major items, requisition is submitted to purchase committee which is headed by the Principal. Purchase committee invites tenders from various suppliers. Their quotations are evaluated, comparative statement is prepared, suppliers are called for personal discussion and after comparing all aspects from various suppliers, orders are placed. This ensures that right equipment is purchased at most competitive price. Budget is prepared at the beginning of the year and actual expenses incurred during the year are compared with budget and any major variation is discussed by the principal with concerned person. The accounts are audited regularly as per the Government rules. Internal audit is conducted after every six months. The internal auditor checks receipts with fee receipts and payments with vouchers and necessary supporting. He also ensures that all payments are duly authorized. The external auditor conducts statutory audit at the end of financial year. Internal and external auditors are appointed by parent institute. Audit report and audited statements of accounts are discussed in College Development Committee and also submitted with Governing Council. Queries and suggestions are resolved satisfactorily. The institute also ensures timely submission of audited utilization certificate to various funding agencies.

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 Data Entered/Not Applicable !!!		
View File		

6.4.3 – Total corpus fund generated

31500000

6.5 – Internal Quality Assurance System

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

Audit Type	External	Internal
------------	----------	----------

	Yes/No	Agency	Yes/No	Authority
Academic	No	Nill	Yes	Parent Institution
Administrative	Yes	Energy Audit-Enrich Consultants	Yes	Parent Institution

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

The institute does not have registered Parent – Teacher Association, but parents being important stakeholders are involved in overall activities of the Institute. Every year first year students' parents are invited for the Induction before the term commencement for orientation about academic activities, discipline, co-curricular activities and extra-curricular activities. In order to involve the parents in the academic and overall development of their wards, parents-teacher meet is organised in every semester at all the departments. Parents are also invited to conduct sessions, judge the event, providing platform for Industrial visits, Project sponsorship and internships. Parents are also part of various administrative committees like Department Advisory Board , Anti- ragging committee, etc.

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

In order to upgrade the technical skills of Technical Assistants department has taken various initiatives as listed below: 1. Training Session on "Library Web-OPAC" on 23/01/2019 by Mr. Kushal, System Engineer, Algorhythm Tech Pvt. Ltd. 2. Workshop on "Maintenance and Guidance" from 12/12/2018-22/12/2018 by Mr.S.N. Ramnani, Asst. Professor, PES MCOE, Pune. 3. Workshop on "Maintenance and Calibration of Electronic Laboratory Equipment" on 17/12/2018-18/12/2018, in collaboration with Twintech Control Systems Pvt Ltd. 4. Industrial visit at Twintech Control Systems Pvt Ltd. on 18/12/2018. 5. Training session on "Quick Heal – client side installation" on 06/12/2018 by Mr.Shrinivas Pasarge, Technical Support Engineer, Quick Heal, Pune.

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

- The following programmes were accredited by NBA for 3 years namely, Electronics and Telecommunication Engineering and Electrical Engineering and MCA programme were accredited by NBA for 2 years during AY 2018-19. • A flagship program of Ministry of Human Resource Development, Govt. of India. Unnat Bharat Abhiyan and Institute Innovation Council (IIC) is initiated. • The institute has proposed ERP system. • Improvement and maintenance of infrastructure facilities has been increased. • Usage of ICT and LMS in teaching is increased.

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	Yes

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
No Data Entered/Not Applicable !!!					
View File					

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
Session on Gender Equity :It's a girl thing or a boy thing?	07/01/2019	07/01/2019	30	26
Equal rights between Girls and Boys - You Tube Video	19/01/2019	19/01/2019	19	44
GD on " What does gender equality mean to young people"	08/01/2019	08/01/2019	22	15
Session on Women's Health Issues	07/03/2019	07/03/2019	40	48
Survey on "Gender Stereotypes and Education" -(Exploring student opinions about sexual harassment facts and myths)	18/03/2019	18/03/2019	35	35
Aarogya Vyakhyanamala- Harmony in Human Relationship	29/08/2018	29/08/2018	88	20

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
<p>Environmental Consciousness • To inculcate the environmental consciousness among the students various activities are undertaken. The departments have clubs like "Paryavaran Sanrakshan Club" which create awareness about the preservation, restoration and/or improvement of the natural environment amongst the students. Many activities to promote ecofriendly environment are conducted on regular basis. • Activities conducted under "Paryavaran Sanrakshan Club" are: ? Tree plantation in MCoE Campus- on 30/07/2018-31/07/2018 ? Mula-Mutha River cleaning drive - on 29/07/2018 (1 day) • Paper Bag making Workshop- on 6/07/2018 by EnTC dept. Alternate Energy Initiatives: For Sustainable environment it is necessary to increase use of alternate energy. Final year</p>

students are encouraged to undertake projects related to alternate and renewable energy sources. These projects would help to improve generation and utilization of energy through renewable resources. • The final year students carried out projects like: ? "Design Simulation of solar powered BLDC motor" ? "Design and implementation of solar system for vacuum cleaner" ? "Solar based E jacket" ? "Comparision of Z souce network topology for R-L Load." Percentage of power requirement of the College met by the renewable energy sources Power requirement met by renewable energy sources - 7.5kW Total power requirement- 200kVA Renewable energy source- Solar PV Percentage of annual lighting power requirements met through LED bulbs Total Lighting requirements- 45 KVA Percentage Lighting through LED bulbs - 60 Percentage Lighting through other sources- 40

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	No	Nill
Rest Rooms	Yes	Nill
Scribes for examination	Yes	Nill
Special skill development for differently abled students	Yes	1
Any other similar facility	Yes	1

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
No Data Entered/Not Applicable !!!							
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	15/07/2018	The Student rules and regulations are designed to promote academic discipline and good behavior of students who are admitted in the institute. The student behavior, Ethical practices is monitored by Teaching and Non-

teaching staff. Various committees such as Grievance Redressal Committee, Internal Complaint Committee, Committee for SC/ST, Anti Ragging Committee are formed in the institute to address the student issues. Students who violate these standards are subject to disciplinary actions in order to promote their own personal development, to protect the individual rights, and to maintain order and stability on campus.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
View File			

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

1. Energy Conservation ? The institute does Energy audit periodically by BEE approved energy auditors. ? The institute has taken initiative to use LED street light and CFL for common lighting inside the institute. ? Campaigns are conducted by staff and students for Electrical safety and power savings. ? The institutes building is L shaped and fitted with glass windows, thus providing maximum utilization of natural light. ? All Class rooms are properly ventilated. ? The institute has switched to the power saving CFL and LED lights from the Old Fluorescent Tubes at various locations. ? The institute's bio-gas plant processes about 50kg wet garbage per day, which is used by the college canteen. The resultant slurry is used in vermiculture plant. 2. Use of renewable energy ? A 2kW Solar photo-voltaic cell is used for charging UPS batteries in the Seminar Halls. ? The institute has a waste water treatment plant of 20000 litres capacity. The water processed is used for garden and washrooms. 3. Efforts on Carbon neutrality ? Carbon-di-oxide emission percentage check is carried out during energy audit. ? PUC camp is arranged regularly. ? Vehicle free day is organized in the campus. ? The use of plastic bags is restricted in the institute. 4. Hazardous Waste Management ? The institute conducts various programs and awareness campaigns on waste management. ? The institute has a tie-up with the Pune Municipal Corporation for disposal of various types of waste generated. The waste is categorized in the campus into hazardous and non-hazardous and collected by the Municipal Corporation. ? The institute is committed to make the campus Plastic Free. 5. e-Waste Management ? The Institute authority has initiated Awareness programme on e-waste management. ? The obsolete computers or products are donated to the agencies, schools where those can be used. ? The non-working computer spare parts and other non-working equipment are safely disposed outside through the Pune e-waste Agency. ? The cartridge/toners of printers are refilled outside the Institute campus through vendor instead of throwing the empty cartridge/toners.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Institutional Best Practices A.Y. 2018-19 7.2 Describe at least two institutional best practices Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link BEST PRACTICE I: 1. Title of the Practice: • Innovation and Creativity 2. Objectives of the Practice: • To encourage a mindset of continuous learning, creative thinking and increased innovation. • To provide tools and techniques for promotion of innovation , creativity and implementation • To help make the connections between theory and practical. • To recognize, reward and celebrate new ideas. 3. The context: • To enhance the research and innovation quotient in the Institute it was decided to engage in a number of activities, define policies and procedure for encouragement of creativity and innovation. • This is in alignment with Institute mission to foster innovation and research by providing a stimulating learning environment and to be responsive to changes in technology, socio economic and environmental conditions. 4. The Practice: The atmosphere of innovation and creativity is proposed to be improved by a multipronged approach including facilities up gradation, establishment of cells to monitor and provide funding to encourage the initiatives. • Infrastructure facilities: Innovation labs, Book Bank scheme, Reading hall, smart class rooms are provided to facilitate Innovation and Creativity among the staff and students. • The Research & Innovation Cell: The faculty and students undertake research projects in the thriving areas of science, engineering, management and technology. Apart from conducting projects in fundamental areas, many R&D projects are executed to tackle live problems. Faculties of various departments have received funding from agencies like SPPU, BCUD, AICTE, MHRD etc. The institute aims to forge academic and research collaborations with reputed institutes and industries. • Entrepreneurship Development (ED) Cell: Following are the initiatives under ED Cell. PRO-START: Pro-Start is a merger of project and a start-up. Pro-Start aims to promote and upraise ideas of students (budding engineers) towards their start-ups. Vicharghan: In Vicharghan entrepreneurs and experts in different areas of are invited to share their knowledge on different subjects. Participation in Ignited Innovators of India (i2i): A social entrepreneurship initiative by incubation centre at COEP for students of Maharashtra is aimed at providing a platform to students to exercise leadership in social entrepreneurship and technological innovation. • Institution Innovation Council (IIC): PES's MCOE has established Institution Innovation Council (IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India. • Unnat Bharat Abhiyaan (UBA) Unnat Bharat Abhiyaan (UBA), a flagship programme of Ministry of Human Resource Development (MHRD) Government of India, is an opportunity to enable faculty and students of higher educational institutions to work with the people of rural India in identifying development challenges and evolving appropriate solutions for accelerating sustainable growth. Our institute has been selected as a Participating Institution (PI) under UBA 2.0(2018-19). • Different Clubs, Professional Society Chapters, M-Pulse (A Techno-Management Event) , NSS, ISR , Art Circle are formed to implement creative ideas of students. • Participation in Smart India Hackathon to provide students a platform to solve some of pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving. • Project Funding Scheme of PES's MCOE: PES's MCOE has initiated project funding scheme since 2018 to encourage students from engineering and management disciplines to undertake project / research / development work which will be helpful to the Institute and society at large. • Rewards and appreciation: ? The Institute policies are framed in such a manner to encourage participation in FDP's and pursue research. ? Achievement in the area of research, publication are appreciated and rewarded. ? Student who display innovation and creativity in their projects and other extracurricular activities are appreciated and felicitated. 5.

Problems encountered and strategies adopted to overcome them: • Building a research oriented and creative mindset requires a constant efforts for attitude transformation in student community. 6. Resources Required • Collaboration with industries and renowned research institutes is required. 7. Evidence of success: • Principal Dr. Mrs. K. R. Joshi has been awarded Best Innovative Teacher Award by Savitribai Phule Pune University, Pune • The Institute has received four star ratings towards contribution of Innovation cell at PES's MCOE by MHRD's Innovation Cell. • E-Yantra laboratory is established in association with IIT Bombay. • Project groups from Third year and Final year of respective departments from the institute had received funds for their respective projects under each of the above mentioned scheme. • The institute has also promoted and funded students and faculty members to file patents and copyrights. So far 38 copyrights and 25 patents have been filed. • Students have won prizes against various categories of Smart India Hackathon for their innovative projects. • Innovative projects of Institute selected as one of the top 110 projects all over India by Innovation Cell, MHRD, Govt of India.

BEST PRACTICE II: 1. Title of the Practice: ? Green Campus Initiative 2. Objectives of the Practice: ? To create sustainable solutions to environmental, social and economic needs of the society. ? To increase environmental awareness among students, staff of the college and among population in the vicinity of the college. 3. The context: ? The Green Campus concept offers the Institute an opportunity to take the lead in rethinking its environmental culture and developing new paradigms for solving problems that are local, national, and global in nature. ? Clean environment is the basic necessity for human being for health and efficiency. 4. The Practice: ? E-waste disposal: E-waste management can be done by number of ways such as reduce, reuse and recycle. The non-working computer spare parts and other non-working equipment are safely disposed outside, through the vendor recognized by Maharashtra Pollution Control Board. ? PUC Camp The institute organizes a PUC camp every year to facilitate staff and student to get their vehicle's pollution level checked and provide PUC certificate. ? Swach Bharat Abhiyaan The institute has organized various activities in and around the campus to spread awareness regarding clean India & green India among the public. Swachhata Bicycle Rally, Poster Competition events were conducted during Swachhata Pakhawada. Cleanliness Drive, Riverside Cleanup Drive are some of the activities carried out by the institute to promote Swach Bharat Abhiyaan. ? Paper Bag Making Competition ? Plastic free Campus

5. Problems encountered strategies adopted to overcome them: ? Creating the awareness regarding green campus requires continuous efforts. 6. Resources required: ? Involvements of stakeholders and external agencies for implementation of different green practices. 7. Evidence of success:- ? E-waste is properly disposed. ? Regular PUC camp, helps to reduce carbon emission in the surrounding. ? Campus is free of single use plastic

BEST PRACTICE III: 1. Title of the Practice: ? Project Based Learning 2. Objectives of the Practice: ? To enhance the skills of students by actively engaging them to build solutions for realworld or societal problems. 3. The context: ? Project based learning requires the application of knowledge and skills, not just recall or recognition. This approach can be used to assess how students apply a variety of academic content in new contexts. ? In project based learning the role of the teacher shifts from content-deliverer to facilitator. Students work more independently, with the teacher providing support only when needed. ? Students are encouraged to creatively solve problems, stay focused, work as part of a team, and how best to do their work and demonstrate their understanding. 4. The Practice: ? Students work together in groups for creating small projects from first year itself. Students undertake application-based projects which includes design, simulation, and hardware and software development. ? Industry persons guide the students during implementation of projects. ? Project Exhibitions are organized to provide the platform for showcasing their innovative projects developed either as Industry Defined

Problem or User Defined Problem and provide an opportunity for the students to demonstrate their learning. ? Industry experts and alumni's are invited to judge the projects during Project Exhibition. This helps to prepare students for their final university level project presentations and demonstrations. ? Students are also encouraged to take industry internship during the completion of the degree. ? Various technical clubs are formed by the Institute through which students participate in group project competitions at national/ international level. ? Students participate in different project, technical contests through various professional society student chapters of the Institute. 5. Problems encountered strategies adopted to overcome them: ? Identifying distinctive real life issues and its practical implementation. ? Motivating students to work in a group to successfully accomplish a task within stipulated time. 6. Resources required: ? Laboratories well-equipped with equipment's and required software. ? Industry expert guidance is required throughout the completion of the projects. 7. Evidence of success: ? There are project competitions held in the department, to motivate students build a better project. ? Students are also encouraged to participate in various state and national project competitions and have won prizes.

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

<https://moderncoe.edu.in/dist/documents/7.2%20Institutional%20Best%20Practices%20A.Y.%202018-19.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust Provide the weblink of the institution in not more than 500 words The Vision of the Institute focuses on creating a collaborative academic environment with Holistic development of the students. The institute aim to develop outstanding professionals with high ethical standards capable of creating and managing global enterprises. One distinctive approach is to apply the knowledge efficiently and effectively with concern for societal, environmental, and cultural aspects relevant to professional computing practices. To achieve this goal following programs are initiated by the Institution. Develop Village Develop India We believe that, the villages in India forms the major portion of India. The rural community makes more than 80 percent of India's population will affect the whole nation. The development of villages is largely dependent on education and yet cannot do without the best education possible. IT Awareness Program The Program provides assistance for awareness about IT technologies and skills applicable at the local level that lead to improve the living conditions of the people. Our students conducting activities to create awareness on the role played by technology improving the socio-economic status of women and school students in rural areas. Each One...! Plant One...! At the global level, trees and forests are closely linked with weather patterns and also the maintenance of a crucial balance in nature. Hence, we believe that, the task of environment protection is an important responsibility. Safer Roads... Safer India... Road safety is primarily meant about the protection and security of all those who travel on roads. The importance of this can be judged from the fact that according to our national statistical data, out of total reported accidents, 42 per cent involve pedestrians one way or the other. Helping Hands for Orphanage "Helping Hands for Orphanage" is an ISR program managed by a team of various club members who are committed to providing equal opportunities for education, sports, nutrition and happiness in life and to promote well-being to children in society. This program promotes a strong family values and emphasize the importance of

education and faith. Social Talk The objective of "Social-Talk" program is to stimulate personal and professional growth through discussions about attitudes, feelings, and experiences related to the field of community and justice services. The focus is on gradual preparation for practicum by exposure to a variety of perspectives on current social issues. Expert lecture, Group discussion, audio-visual materials, films, specific articles and personal journals are used in these activities. Wisdom Tree Lecture Series To establish clear and realistic goals for students personal and professional life, Overall improvement in student's personality which boost their confidence, and to learn to use life skills which can be matched up with industry.

Provide the weblink of the institution

<https://moderncoe.edu.in/dist/documents/7.3%20Institutional%20Distinctiveness%20A.Y.%202018-19.pdf>

8.Future Plans of Actions for Next Academic Year

1) To encourage student participation in value added courses for enrichment of curricular delivery. 2) To organize awareness programs on entrepreneurship for students. 3) To encourage students and faculty members to undertake innovative, research based, product development and need based projects by providing in-house funding. 4) To upgrade IT infrastructure using network monitoring tools. 5) To conduct number of institute level faculty development programs. 6) To encourage student participation in sports and other extra and co-curricular activities. 7) To enhance the employability of students through proper training programs. 8) To introduce ERP for better planning, controlling and management of institute resources and data. 9) To work on recommendations from accreditation expert team for institutional factors.