



Yearly Status Report - 2017-2018

Part A

Data of the Institution

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.			02025533638																						
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://moderncoe.edu.in/IOAC/AOAR_2016-17.pdf																						
4. Whether Academic Calendar prepared during the year			Yes																						
if yes,whether it is uploaded in the institutional website: Weblink :			http://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
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1	B	2.45	2011	27-Mar-2011	26-Mar-2016																				
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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														
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No Data Entered/Not Applicable!!!

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	Nil	Nil	2017 0	0
No Files Uploaded !!!				

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

499057

Year

2017

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

Teaching Learning: Various ICT tools like MOODLE, Google class room, curated youtube video etc have been implemented to have proper interaction in order to overcome the gap between general chalk and talk and its realistic view.

Organized workshops for overall skill development of students, Hands on workshops has been conducted, PrePlacement Activities by Syntel, Barclays, SMART. Initiated Wisdom Tree Lecture series. Life Skill Learning: Lecture on Examination Stress Management

Received grants from AICTE, ISTE, SPPU for organizing FDPs/ STTPs. International workshop funded by SPPU worth Rs 3 Lakhs.

Established Student Charter with Rotaract Club.

Various MOOC courses, IIT certification by faculties.

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

Plan of Action	Achivements/Outcomes
No Data Entered/Not Applicable!!!	
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
COLLEGE DEVELOPMENT COMMITTEE	20-Mar-2018

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

Yes

Date of Visit

16-Jan-2017

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2018

Date of Submission

08-Feb-2018

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 are Student, Faculty (GFM), and Administrator Objectives of system are 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 are Students enrollment(Registration) , Staff Registration, Student admission (Fee management, Student admission ,Document verification) ,Student attendance module,Exam Result, Various certificates generations like Bonafide certificate, NOC, etc 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 (Registered student ,Fee category wise, Caste wise), Caste 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.

GFM's students' registration process

1. Printed list of login password for students will be given to departments.
2. GFM's will get done online registration from the students in the respective departments.
3. GFM's 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

PES MCOE was established in the year 1999 and is affiliated to Savitribai Phule Pune University (SPPU). The course curriculum defined by the affiliating University, is being followed by the Institute. To keep pace with developments in Engineering and Technology, the curriculum is 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 the action plan for effective implementation of the curriculum. Institute Academic Calendar is prepared every term, in line with the University academic calendar. It reflects the activities planned during the term related to term commencement, course delivery, internal assessment, co-curricular activities and term conclusion. The Institute Academic Calendar is the basis for the preparation of the Department Academic and Activity Planner before the commencement of the term. The Academic Planning and Development Committee conducts meetings regularly to discuss about the strategy for the effective implementation of the curriculum. ? Course allotment is done well in advance for the faculties considering their preferences and capabilities. ? Teaching plans, course plans and lecture notes are prepared well in advance before term commencement for the course file which includes course material, unit test question papers, content beyond syllabus, relevant add-on content, ICT techniques to be used and curriculum booklet. ? Curriculum booklet for each course is 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/ research paper/ referred book other than mentioned in the syllabus. ? During the course of the term, faculties maintain Academic Record Booklet for both theory and practical courses. ? Each course instructor identifies academic strength of students during regular class room/laboratory teaching and while conducting initial 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, collaborative learning, ICT supported learning such as Video lectures, NPTEL lectures , Spoken tutorials , WordPress websites , Webinars, LMS Moodle etc. ? Along with regular classroom delivery of curriculum, workshops, seminars, industrial visits and lectures by industry experts and alumni are arranged to update students about latest developments in their respective fields. ? Mentors are assigned to each student. They discuss with the mentees about their academic progress and overall well-being. ? Analysis of feedbacks helps in identifying areas of improvement in curriculum planning, delivery and implementation. ? The academic planning and development committee verifies the syllabus coverage, regular conduction of lectures, practicals etc., along with qualitative inputs for curriculum delivery. The committee briefs the IQAC regarding the final report.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
NPTEL : Outcome Based Pedagogic Principles for Effective Teaching		05/02/2018	28	Employability	Teaching
NPTEL : Virtual Reality Engineering		22/01/2018	84	Employability	Technical
Spoken Tutorial : Java		01/07/2017	78	Employability	Technical
Spoken Tutorial : Java		03/07/2017	76	Employability	Technical
Spoken Tutorial : C		01/07/2017	78	Employability	Technical
Spoken Tutorial : CPP		01/07/2017	103	Employability	Technical
Spoken Tutorial : PHP and MYSQL		01/07/2017	97	Employability	Technical
Spoken Tutorial : Ruby		15/07/2017	56	Employability	Technical
Spoken Tutorial : Python		01/01/2018	114	Employability	Technical
Spoken Tutorial :		01/01/2018	88	Employability	Technical

Java					
NPTEL : Computer architecture and organization	24/07/2017	84	Employabilit y	Technical	
NPTEL : Programming in C	24/07/2017	56	Employabilit y	Technical	
NPTEL : Object oriented analysis and design	24/07/2017	56	Employabilit y	Technical	
NPTEL : Introduction to Machine Learning	24/07/2017	56	Employabilit y	Technical	
NPTEL : Programming, data structures and algorithms using python	24/07/2017	56	Employabilit y	Technical	
NPTEL : Introduction to operating systems	24/07/2017	56	Employabilit y	Technical	
NPTEL : Fundamentals of Database Systems	24/07/2017	56	Employabilit y	Technical	
NPTEL : Theory of Computation	24/07/2017	56	Employabilit y	Technical	
NPTEL : Introduction to Modern Application Development	24/07/2017	56	Employabilit y	Technical	
NPTEL : Control Engineering	24/07/2017	84	Employabilit y	Technical	
NPTEL : Design for internet of things	24/07/2017	56	Employabilit y	Technical	
NPTEL : Soft skills	24/07/2017	84	Employabilit y	Soft Skill	
NPTEL : Introduction	24/07/2017	56	Employabilit y	Technical	

to Psychology					
NPTEL : Developing Soft Skills and Personality	24/07/2017	56	Employabilit y	Technical	
NPTEL : Fundamentals of manufactu ring processes	24/07/2017	84	Employabilit y	Technical	
NPTEL : Fluid dynamics and turbomachine s	24/07/2017	56	Employabilit y	Technical	
NPTEL : Gender justice and workplace security	24/07/2017	28	Employabilit y	Technical	
NPTEL : Corporate social respo nsibility	24/07/2017	56	Employabilit y	Technical	
NPTEL : Manu facturing Systems Technology I II	24/07/2017	84	Employabilit y	Technical	
NPTEL : Introduction to Modern Application Development	05/02/2018	56	Employabilit y	Technical	
NPTEL : Cryptography and Network Security	22/01/2018	84	Employabilit y	Technical	
NPTEL : Data Mining	05/02/2018	56	Employabilit y	Technical	
NPTEL : Cloud Computing	05/02/2018	56	Employabilit y	Technical	
NPTEL : Artificial I ntelligence: Knowledge Re presentation and Reasoning	22/01/2018	84	Employabilit y	Technical	
NPTEL :	05/02/2018	56	Employabilit	Technical	

Programming, Data Structures and Algorithms using Python				y	
NPTEL : Introduction to Machine Learning	22/01/2018	84	Employabilit y	Technical	
NPTEL : Data Science for Engineers	05/02/2018	56	Employabilit y	Technical	
NPTEL : Micr oprocessors and Microcon trollers	22/01/2018	84	Employabilit y	Technical	
NPTEL : Control Engineering	22/01/2018	84	Employabilit y	Technical	
NPTEL : Power System Engineering	22/01/2018	84	Employabilit y	Technical	
NPTEL : Enhancing Soft Skills and Personality	05/02/2018	56	Employabilit y	Soft Skill	
NPTEL : Business English Comm unication	05/02/2018	28	Employabilit y	Soft Skill	
NPTEL : Numerical Methods: Finite difference approach	05/02/2018	28	Employabilit y	Technical	
NPTEL : Basics of Finite Element AnalysisI	05/02/2018	56	Employabilit y	Technical	
NPTEL : Operations Management	22/01/2018	84	Employabilit y	Technical	
NPTEL : Financial Statement Analysis and Reporting	22/01/2018	84	Employabilit y	Technical	
NPTEL : Principles	05/02/2018	56	Employabilit y	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 !!!		
No file uploaded.		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer Engineering	15/06/2017
BE	Information Technology Engineering	15/06/2017
BE	Mechanical Engineering	15/06/2017
BE	Electrical Engineering	15/06/2017
BE	Electronics & Telecommunication Engineering	15/06/2017
ME	Computer Engineering	16/10/2017
ME	Heat Power	16/08/2017
ME	Control systems	15/07/2017
ME	Signal Processing	15/07/2017
MCA	Computer Applications	15/06/2017
MBA	Finance, HR, Marketing, Operations, IT, IB	16/08/2017

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

	Certificate	Diploma Course
Number of Students	3527	0

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
Aptitude Training Program Apti Academy, Pune	29/06/2017	37
Zensar Employability Skill Development Program Zensar Technologies	13/06/2017	36
SMART Power Placement Training Programme- SMART Training Resources India Pvt. Ltd.	05/06/2017	30
Zensar Employability Skill Development Program	13/06/2017	78

Zensar Technologies		
Soft skill certification PESs Modern college of Arts,commerce Science	01/08/2017	107
Zensar CRTP (Campus Recruitment Training Program) Zensar Technologies	28/12/2017	45
Payroll HRIS Certification PREHR Consolting India PVT LTD	01/01/2018	33
Certification Audit Course on GST Shraddha Infotech	01/01/2018	25
Advanced PLC programming (Siemens) vocational Training at Industrial Training Institute (ITI), Aundh Pune	24/08/2017	65
Design and Installation of Solar PV system	04/06/2018	18
No file uploaded.		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Electrical Engineering	109
BE	Electronics & Telecommunication Engineering	128
BE	Information Technology Engineering	28
BE	Mechanical Engineering	141
BE	Computer Engineering	68
MBA	Finance, HR, Marketing, Operations, IT, IB	96
MCA	Computer Applications	64
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

The Institute has a well established feedback mechanism which is one of the essential elements of providing professional learning environment to gather and analyze various feedback based on predefined parameters. The Institutional feedback system aims to understand stakeholders' perceptions, expectations and their views about what has contributed to their development. Institute feedback mechanism In its many forms, feedback allows the Institute to reflect on their teaching learning process and curriculum development. It also clarifies areas of improvement and provides the opportunity for self assessment. The feedback process in the Institute is designed in the following manner:

- Designing of feedback questionnaires with parameters defined by the IQAC for obtaining stakeholder view.
- Scheduling of various types of feedback in the Institute academic calendar and departmental academic planner.
- Collection of feedback periodically as per schedule.
- Analysis of each type of feedback at department and Institute level
- Communication of analysis to the IQAC for discussion on action to be taken.
- Implementation of corrective measures at department and Institute level as per IQAC suggestions.

Stakeholders are broadly classified as Students, Teachers, Employers, Alumni, and Parents. The feedback of all stakeholders is obtained in the following manner:

A. Students:

1. Mid Term feedback is obtained in the mid of the semester and End Term Feedback at the end of the semester regarding Course delivery and Instruction methodologies.
2. Course Exit Survey feedback is taken on course outcomes at the end of the semester on completion of the course.
3. Feedback on facilities is collected once a year about student perception of campus facilities.
4. Graduate Exit Survey is an evaluation of overall program outcome obtained from final year students at the conclusion of the program.

B. Teacher: The Department peer team gives Peer Feedback on Course delivery and Instruction methodologies of faculties. It is reviewed by the Head of Department. This is communicated to the faculty for improvements if required.

C. Alumni: Alumni Feedback gives an indication of relevance of curriculum in terms of employability of current students. This feedback is used to plan further teaching learning improvements and the resources required for it.

D. Employer: Employer Feedback is sought on the student employee's competency in technical and communication skills to meet the job requirements, familiarity with latest technology, adjustment to ethos of the organization and maintaining cordial relationships with the coworkers.

E. Parent: Parent Feedback indicates their satisfaction towards academic and extracurricular activities provided by the Institution. Analysis and Utilization of feedback Feedback is an important tool to understand the stakeholder expectations. The mechanism is designed in such a way that flexibility, anonymity, confidentiality, transparency are maintained where required. Hence, the Institute treats it as an input for identifying areas of improvement. Based on the key inputs received as areas of improvement, following are initiatives taken by the Institute to address the identified areas:

1. Encouraging faculty for various short term courses, refresher training programs, webinars, organizing faculty development programs (FDPs) for their quality enhancement.
2. Adoption of newer pedagogies including audio, video

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
2017	2779	493	163	23	29

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
215	152	13	28	0	13

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. 1. Objective of the MentorMentee system • To facilitate students with academic, administrative, career guidance for their overall development. • To provide the support to resolve the personal problems also for improving the academic performance. • To help improvements in behaviour and / or attendance. • Improved peer relationships. • Realizing the real values of life • To help the mentees, to be a confident professionals with ethical values. 2. Allocation of Mentors • Around 18-28 students as mentee to each faculty mentor at the entry level of programs are allocated. These mentees of the particular mentor are throughout their engineering program, which helps to develop a bond between mentor and mentees. For effective implementation of the system the mentormentee meetings are preplanned in the academic calendar of the Institute and academic planner of each department. • Each mentee's records are maintained by their respective mentors containing academic performance, participation in cocurricular, extracurricular activities and any other initiative. • The MentorMentee 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 mentees to participate in co curricular, extracurricular activities which leads to overall development of the mentee. • Depending on the discussion carried out during the meetings, the mentoring session may be upgraded to 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 during every term, where mentors along with class incharge interact with the parents and discuss about performance and other issues of their ward. • Sessions for faculty members for effective mentoring are organized regularly. 2. Benefits of Mentoring System: • 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 3. Outcome of the system • Improvement in academic performance. • Increment in participation in various cocurricular and extracurricular activities. • Resolved various issues. • Holistic development of mentees.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3272	215	18

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

215	215	0	49	23
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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 !!!			
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
View File				

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

Objective: To develop selfanalysing and reasoning capabilities for achieving goals. • Continuous Internal Evaluation (CIE) is the internal mode of assessment. The academic calendar clearly specifies 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. End Semester Assessment (ESA). • For effective implementation of Continuous Internal Evaluation (CIE) system at the institutional level, various assessment tools are used. • 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 VivaVoce 10. Group Discussion 11. Role Play / Story Telling 12. Learning Diary 13. Scrap Book 14. Newspaper reading • Every course coordinator (Subject Incharge) is responsible to set the question paper as per Blooms Taxonomy on every unit of the course. Quality of question paper is verified by the Quality Assurance Committee. For Assessment and Evaluation of Internal Question Papers marking scheme/ solution key is prepared 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 selfstudy, analytical and reasoning capabilities. Outcome: • Continuous Internal Evaluation through various assessment tools helps the faculty understand various learning resources explored by students. • Academic performance improvement.

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

Objective: Smooth and scheduled conduction of academic and cocurricular activities. • Institutional academic calendar is prepared by Academic Planning and Development Committee as per Savitibai Phule Pune University (SPPU) calendar displayed on website. The calendar is prepared for staff (faculty) and

students separately. This Institutional academic calendar forms the basis for Institutional academic planner. The departmental academic calendar is prepared based on the Institutional academic calendar. • It ensure execution of all academic activities at institute and department level from term commencement to term conclusion and university examination schedules as per directives of SPPU. • 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. ParentTeacher meet 10. All cocurricular activities scheduling and execution This practice is implemented for undergraduate as well as post graduate programme. • Academic Planning and Development Committee ensures execution of all academic and cocurricular activities. The execution report is prepared every term conclusion so as to ensure the adherence of all activities with academic calendar and planner. Outcomes: Adherence to academic calendar and planner for academic and cocurricular activities.

2.6 – Student Performance and Learning Outcomes

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

<http://moderncoe.edu.in/part-b-criterion-2-6-1.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)

<http://moderncoe.edu.in/dist/documents/2.7.1%20Summary%20of%20Feedback%202017-18%20for%20Weblink%2014.12.2019.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
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 seminar on Insight into Patent Filling	Electronics and Telecommunication Engineering	23/02/2018

A session on IPR Social Innovation : New Research Era Gateway to CSR	Information Technology Engineering	14/02/2018
A Seminar on Quality Management	Electronics and Telecommunication Engineering	30/01/2018
Two days state level workshop on Mathematical modeling in engineering discipline	Electronics and Telecommunication Engineering	23/01/2018
A Session on WDM, SDH, SONET and introduction to OTN	Electronics and Telecommunication Engineering	23/01/2018
One day workshop on Solar Roof top System and Net Metering" for TE Students	Electrical Engineering	21/02/2018
A Seminar on Electrical Safety Awareness	Electrical Engineering	10/01/2018
One week faculty development on Developing Multidimensional Competencies in Teachers	Computer Engineering	04/06/2018
Two days workshop on Open Source Software Management and Testing Tools	Computer Engineering	01/02/2018
Two days workshop on Career Readiness with Proper Guidance and Right Attitude	Computer Engineering	24/02/2018
Two days workshop on Automobile Service and Maintenance	Mechanical Engineering	22/02/2018
One day Workshop on "Pushpak" the Aero Design	Mechanical Engineering	17/02/2018
A Session on HR opportunities in Industry	Master in Business Administration	06/01/2018
An Expert lecture on "Designing HR Policies and HR Manual	Master in Business Administration	13/01/2018
A Session on Outsourcing Policies and Procedure	Master in Business Administration	20/01/2018
A Session on Recruitment Policies and Procedure	Master in Business Administration	03/02/2018
A Session on Campus to Corporate	Master in Business Administration	09/01/2018
A Session on Career guidance on opportunities after graduation	Electronics and Telecommunication Engineering	27/06/2017
Two days workshop on	Electronics and	21/08/2017

Introduction to LabView and its application in Communication and Signal Processing	Telecommunication Engineering	
A seminar on introduction to Verilog and Analog CMOS Design	Electronics and Telecommunication Engineering	09/09/2017
Workshop on "Applications of ARDUINO"	Electrical Engineering	16/02/2017
A Seminar on Thermography Images and its Analysis	Electrical Engineering	09/09/2017
A session on Internet of Things: Architecture Challenges, Applications Tools for Smart Cities	Computer Engineering	12/12/2017
Two days workshop on Non Destructive Testing	Mechanical Engineering	11/09/2017
A Seminar on Value Building for Nation Building	Master in Business Administration	26/08/2017
A Seminar on "Skills development for effective Public Speaking"	Master in Business Administration	26/08/2017
Lecture Series1 on Wisdom Tree Demonetization policy by Mr. Ashutosh Phalke	Master in Business Administration	23/09/2017
Lecture Series2 on Wisdom Tree CSR Activities by Ms. Preeti Kibe	Master in Business Administration	23/09/2017
Lecture Series3 on Wisdom Tree Mumbai Dabbawala And Management by Mr. Subhash Talekar	Master in Business Administration	23/09/2017
A Seminar on Need of Information Security in an organization	Master in Business Administration	05/10/2017
International Workshop on "An effective use of ICT in transforming Traditional Learning to Virtual Learning	Master in Business Administration	08/02/2017
Guest Lecture on Spring and Hibernate	Master of Computer Application	06/01/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
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	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
ED Cell	ProStart	PES Modern College of Engineering	Nil	Nil	01/07/2017
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
5	0	33

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 Engineering	1
Master in Business Administration	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics and Telecommunication Engineering	10	3.68
International	Computer Engineering	9	5.8
International	Information Technology	1	0.54
International	Electrical Engineering	1	0.54
International	Master of computer Application	1	5.97
No file uploaded.			

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
Electronics and Telecommunication Engineering	5
Information Technology	2
Electrical Engineering	5
Master of Computer Applications	5
No file uploaded.	

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	Number of citations excluding self
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					the publication	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
Attended/Seminars/Workshops	46	128	26	38
Presented papers	15	3	8	0
Resource persons	1	0	0	0
No file uploaded.				

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
"Ideal village" an initiative for faster better and sustainable development of villages in India	Best project in other sector	BHAU institute in association with COEP	7
Various activities under " Better School Better India " initiative	Overall best project in all sectors (Agriculture, Education, Entrepreneurship/skill development, Environment, Technology, 3H[HealthHumanityHunger])	BHAU institute in association with COEP	7

Various activities under "Better School Better India " initiative	Best project in education sector	BHAU institute in association with COEP	7
BAJA SAE INDIA 2018	Overall 4th Rank, Fastest Vehicle on track	SAE India	30
Technology Dissimination contest for students 2017	Third position in TDCS 2017	Zeal College of Engineering	3
No file uploaded.			

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

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

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
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
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Total	1130	32	1130	1	1	20	1110	120	41
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4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

120 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, Website creation, Video lecture creation	http://moderncoe.edu.in/dist/documents/4.3.3%20Facility%20for%20E-Content%202017-18.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
728470	617843	315000	247917

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)

(1) 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 welldefined and transparent process for purchase. (2) 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. (3) 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://www.moderncoe.edu.in/dist/documents/Maintenance.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
2017	Competitive Examination/ Career Counselling	427	650	34	438
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
72	72	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, cocurricular 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 lifelong 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, AntiRagging Committee, Grievance Committee and other student development activities. • The student council promotes and coordinates the different institute level student activities like Professional Society Student Chapters, ED cell, department level student association, T P cell, MPulse, 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 coordination 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

About MCOE Alumni Cell 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. Objectives of MCOE ALUMNI CELL To provide a forum to establish a link between the alma mater and its alumni. To enable the alumni to participate in activities which contribute to the general development of the institute. To organize and coordinate reunion activities of the alumni. To organize seminars, workshops and lectures to support and promote the educational objectives of the institute. To collect, publish and distribute such information as may be useful to the alumni and their alma mater. Every year, Alumni Cell plans and executes many activities at different department in order to develop overall personality of the students.

5.4.2 – No. of enrolled Alumni:

494

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

123500

5.4.4 – Meetings/activities organized by Alumni Association :

- Orientation session for Zensar Campus Placement on 9/9/2017 by Gargi Bhosale working as a Software Engineer, Zensar
- Orientation session for Bitwise Campus Placement on 9/9/2017 by Kiran Jain Surabhi Gatagat working as S/W Developer, Bitwise Pune
- Workshop on "LabView and its Applications in Signal Processing and Communication" on 22,23/09/2017 by Rohan Kanitkar working as CEO, Topographics Equipments Pvt. Ltd
- Guest Lecture on Inverter with and without filter on 21/8/2017 by Nimesh Puranik working in Indian Air Force
- Guest Lecture on Introduction to New Software ATP Draw on 8/9/2017 by Prashant Gawande working as Research fellow in COEP
- Guest Lecture (Merchant Navy opportunities for Electrical Engineers) on 18/8/2017 by Salil Pradhan working as Electrical Officer, Bern Hard Schulte Sip India Pvt. Ltd.
- Guest Lecture on PLC Automation on 28/7/2017 by Sandeep Bhagwat, working as Assistant Manager, Hyflux Engineers, India pvt.Ltd.
- Session on, Role of mathematics in Electrical Engineering on 20/6/2017 by Tejas Natu working as Research Scholar, Florida State University, USA
- Session on, Bottom of Entrepreneurship Pyramid on 22/8/2017 by Mr. Ajay Agarwal Mr. Harshal Ingale, working as Proprietor, Karhans Creations, Pune Assistant Manager, Blue Dart DHL
- Session on, Digital Awareness program on 10/10/2017 by Darsha Tank working as Marketing Manager, Vijaya Bank Regional office ,Pune
- Session on, Effective Business Communication on 9/9/2017 by Smita Gargote working as Support Engineer, IBM India Pvt. Ltd
- Seminar on, How to Manage Mini Major Projects on 23/9/2017 by Sudeep Pendharkar working as Principal Architect for SugarCRM, Siebel
- Guest lecture on "Entrepreneurship Skill Development" on 9/9/2017 by Govind Sadamate working as CEO of Bluemarks Software Pvt.Ltd Cofounder of IECERA consultancy
- Guest lecture on "Career guidance and competitive exam like UPSC" on 19/8/2017 by Meenal Kambale working as Preventive custom officer Excise
- Guest lecture on "Preparation for GATE Exam" on 9/9/2017 by Pranesh Muddebihal working in Qubit Educational Services GATE coaching classes
- Sessions on Java on 15/7/2017 to 30/9/2017 by Mrs. Sayali Joshi working as Software Engineer, Persistent Technology, Pune

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)

- Vision Statement of the Institute ? To create a collaborative academic environment to foster professional excellence and ethical values.
- Mission Statement of the Institute ? To develop outstanding professionals with high ethical standards capable of creating and managing global enterprises. ? To foster innovation and research by providing a stimulating learning environment.
- ? To ensure equitable development of students of all ability levels and backgrounds.
- ? To be responsive to changes in technology, socioeconomic and environmental conditions.
- ? To foster and maintain mutually beneficial partnerships with alumni and industry.
- The Institute promotes a culture of participative management where each department has been given full freedom to make a perspective development plan.
- The Institute has formed various committees that are constituted by various staff members and headed by the Principal to promote academic leadership. Many committees also have representation of students on the body.
- The Principal with the Heads of the Departments discusses the needs, problems and suggestions to improve the educational quality and infrastructure improvements to propose to the management for further action. All the members take active part in the management of the institutional affairs, which is a clear indication of the participative management.
- The committees constituted in the Institute seek to draft policy framework from the guidelines provided by the top management. They also supervise and coordinate the day to day administration of the college, facilitate cocurricular and extracurricular events.
- The decentralization in

working helps to execute the academic and related activities of the college, the students and faculty development programs and most importantly to visualize and formulate perspective plans for the development and growth of the college. This helps in planning for resource mobilization through industry interaction, consultancy and other sources of funding in order to promote research and extension activities in the college campus. The purpose of the administrative structure is to plan for sustaining the quality of education, quality improvement and accreditation of the college. • The committees are headed by faculty incharges and comprise of interdepartmental teams with student representation also. Periodic discussions are held for planning and development of the College through the various committees.

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

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	All undergraduate and post graduate courses run by the Institute follows the curriculum of Savitribai Phule Pune University. The Institute follows credit system for UG courses and choicebased credit system for PG courses wherein there is a flexibility to design various academic activities and Choice based extra credit skillbased 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	Teaching and learning processes are continuously monitored through feedback mechanism. Student's feedback has been taken twice every semester and the analysis is communicated to the faculties which helps them to improve /modify their teaching pedagogies. The syllabus is also reviewed every year to improve it by adding more relevant subjects and deleting the not so important subjects. It is mandatory for all departments to adhere to the academic calendar prepared for that particular year. ARB, Course files has been prepared for every course to monitor effective course delivery. Faculties adopt different teaching learning techniques. Besides traditional chalk talk concept in teaching, ICT based teaching is also used. Most of the classrooms are provided with LCD Projectors which are used by faculties to enhance their teaching. Remedial classes and make up

classes are conducted for below average performers. Extra assignments/activities are given for above average performers.

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 coordinates solutions for the same. Exam related student grievances are taken care of and conveyed to University on timely basis.

Research and Development

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.

Library, ICT and Physical Infrastructure / Instrumentation

Library: Library uses software for automation. It subscribes to journals, ejournals and ebooks as per the requirement of all departments. It also takes the institutional membership of British Library, Jayakar Library, Automotive Research Association of India (ARAI) and Developing Library Network (DELNET). The Institute Library is also a member of National Digital Library of India. 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 wifi facility, audio video lab for watching NPTEL video lectures, language lab and so on.

ICT : The ICT committee works for providing support for ELearning, Online Courses, Webinar, Software training and workshops, Moodle platform, Google functionality, Language Lab, AudioVisual 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, budget etc. The Institute has a welldefined 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 inhouse or external agency. Minor problems are attended to in house.The Institute also has campus security using surveillance cameras and canteen facility.

Human Resource Management

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.

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 organisations as a member to improve industry academia linkages.
Admission of Students	Our admissions are done strictly as per DTE, Government of Maharashtra norms through Centralised Admission Process. Our admissions against sanctioned intake is always nearly complete.

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 Ereader devices to motivate reading practices. Student Management System (SMS) to manage students' data, Tally accounting software in the office, CCTV for security, BioMetrics 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 was taken through software .
Examination	Circulars and notices regarding examination has been put on website and 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)
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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
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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
155	215	89	18

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Health Insurance ,Contributory Provident Fund ,Accident Coverage ,Fee concession for wards, Faculty enrichment through paper publication, attending workshops/FDPs/conferences/Seminars etc., Canteen facility, Gymkhana facility, Badminton Hall	Health Insurance ,Provident Fund, Accident Coverage, Canteen facility, Gymkhana facility, Badminton Hall	Scholarships, Earn and Learn Schemes, Book Bank Scheme, Accident Coverage, Canteen facility, Gymkhana facility, Badminton Hall, extended hours for library

6.4 – Financial Management and Resource Mobilization

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

- Institute maintains finance and accounts systematically.
- Management takes periodic review of financial position of the Institute during CDC meetings.
- Institution conducts internal and external financial audits regularly.
- Internal audit is conducted at the Institute.
- External audit is conducted at the end of every financial year. 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 utilisation 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

25000000

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		Yes	IQAC
Administrative	Yes	Enrich Consultants for energy audit	Yes	IQAC and P. E. Society

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

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, cocurricular activities and extracurricular activities. Class -Wise parent teacher meetings: 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, IQAC committee etc.

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

Training on computer networking and security and CISCO switch troubleshooting basics has been given to support staff.

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

Our efforts to enhance the quality, has led us to take many initiatives to go a few steps further. • Emphasis on Outcome Based Education is given in all streams, there has been overall enhancement in ICT used in teachinglearning. • Students' placements was improved due to efforts in cocurricular and extracurricular areas. • Collaborative linkages with industry and institutes have been established with an intention to place our students for internship, where they get on the job training and / or conduct short term research projects. • Faculties were encouraged to acquire higher qualification. There is increase in the number of faculties completed and pursuing Ph.D. • There is also an increase in the number of research projects undertaken and publications by faculty members. • The infrastructure and facilities have been improved with regular maintenance and renovations in some areas. • Pradhan Mantri Kaushal Vikas Yojana (PMKVYTI) Courses introduced.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
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
Arogya Vyakhyanamala	25/07/2017	25/07/2017	66	48
Women of wisdom - Self Defense Program	21/02/2018	21/02/2018	55	10
Well girls session (health awareness for females)	22/02/2018	22/02/2018	90	0
Rangoli Competition on the theme of "International Woman's Day Celebration"	08/03/2018	08/03/2018	17	10
Woman Empowerment - Celebrating Woman Entrepreneurship	08/03/2018	08/03/2018	45	25

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" at Pashan Hills on 01/07/2017 ? "Plastic Waste Management" activity was organised for students on 16/02/2018</p> <p>Alternate Energy Initiatives: For Sustainable environment it is necessary to increase use of alternate energy. Final year students are encouraged to undertake projects</p>

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: ? "Mechanism for cleaning Solar panels" ? "Energy management system using solar PV ", ? "Smart Solar Irrigation", ? "20 KW Hybrid Power Generation using Solar PV, Wind fuel cell", ? "Solar Powered Smart Ultrasonic insect repellent with DTMF and manual Control for agricultural crops". Percentage of power requirement of the College met by the renewable energy sources Power requirement met by renewable energy sources 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 40 Percentage Lighting through other sources 60

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	1
Ramp/Rails	Yes	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	0
Any other similar facility	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	0	1	25/01/2018	1	Share your moment Visit to orphanage	To make students aware ,role to be played by them as an individual by being responsible through deeds	38
2017	1	0	02/07/2017	1	Tree Plantation at Pashan Hills	To make the students well aware of importance	18

						e of tree plantatio n	
2018	1	0	15/01/201 8	1	Electrica l Safety Rally	To inculcate awareness among loc alities regarding electrica l safety	100
2018	1	0	24/01/201 8	1	Sadbhavna Rally	To Spread awareness among people about unity and Nationali sm	420
2018	1	0	03/02/201 8	90	Pradhan Mantri Kaushal Vikas Yojana (PMKVY)	To encourage aptitude towards e mployable skills and to increase working e fficiency of probable and existing daily wage earners	9
2017	0	1	11/02/201 7	1	Gateways to Internet	To provide basic knowledge of Internet to children of down trodden section of society	11
2017	0	1	26/07/201 7	2	Technolog ical diss emination contest of IEEE	Awareness of latest technolog y among school students	16

2018	0	1	12/01/2018	1	IT Awareness Program	To aware and educate the school students about basics of IT and its applications.	6
2018	0	1	12/01/2018	1	Training Program on :Cashless Transaction	To aware and educate the students about basics of cashless transaction and its applications.	6
2018	0	1	28/09/2018	1	Visit to AnandDham oldage Home	To sensitize students to social work, know about predicament situations and problems of those people and also to experience joy of serving and being with them	42
2018	0	1	23/01/2018	1	SANDESH 2.0	To show gratitude and love towards our hardworking soldiers by little messages and poems, which will motivate them even	32

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

Title	Date of publication	Follow up(max 100 words)
Institute Policy	15/06/2017	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
Criminal Justice System and Human Rights for the promotion NonViolence and peace	28/07/2017	28/07/2017	62
Guest lecture on snake protection, necessity and initiative to inculcate the value love for animals	29/07/2017	29/07/2017	60
Gurupournima Celebration	29/07/2017	29/07/2017	72
Management Skills of Chatrapati Shivaji Maharaj	04/08/2017	04/08/2017	67
Role of the Modern Youth in Nation	26/08/2017	26/08/2017	80

Building by Value Building			
Engineers Day Celebration Birth anniversary of Sir Mokshagundam Visvesvaraya	15/09/2017	15/09/2017	138
A session on Science of Happiness	13/01/2018	13/01/2018	87
Makarsankranti Celebration at Guruprasad Warkari Sanstha, Aalandi Communal Harmony	27/01/2018	27/01/2018	40
Stress Management	28/02/2018	28/02/2018	110
Celebration of Birth anniversary of Krantisurya Savitribai Phule	03/01/2018	03/01/2018	84
Rajmata Jijau Jayanti Kingmaker and a Powerful Feminist Woman in the 17th Century	12/01/2018	12/01/2018	46
Celebration of Birth anniversary of Swami Vivekanand A spiritual genius of commanding intellect and power	15/01/2018	15/01/2018	72
Shivjayanti Utsav A source of inspiration and pride for generations for his courage and military acumen.	03/03/2018	03/03/2018	86
Election Card Camp Drive: Awareness of the right to vote	22/07/2017	22/07/2017	120
Tribute to our soldiers, SANDESH 2.0	23/01/2018	25/01/2018	23
Sharing moments of joy at Ananddham Oldage Home	28/09/2018	28/09/2018	67
Visit to Fergusson college Hostel on the occasion of Swatantryaveer Sawarkar Jayanti	26/02/2018	26/02/2018	22

Vicharghan Lecture Series	23/09/2018	25/09/2018	450
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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 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's biogas plant processes about 35kg 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 5 kW Solar photovoltaic cell is installed to generate electricity through solar power ? 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 ? Carbondioxide emission percentage check is carried out during energy audit. ? PUC camp is arranged regularly. ? The use of plastic bags is restricted in the institute. The institute is committed to make the campus Plastic Free. 4. Waste Management ? The institute conducts various programs and awareness campaigns on waste management. ? The waste is categorized in the campus into hazardous and nonhazardous and collected by the Municipal Corporation. 5. eWaste Management ? The nonworking computer spare parts and other nonworking equipment are safely disposed outside through the vendor recognized by Maharashtra Pollution Control Board.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICE 1: Title of the Practice: ? Green Campus Initiative Goal of the event: ? 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. 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. ? Water is scarce natural resource hence needs to be used rationally hence recycling of waste water is also a necessity of the time. ? Solar energy can be the potential replacement for conventional electricity and helps to boost the green initiatives. Implementation: ? Biogas and Vermiculture plant: To process waste and garbage of canteen and garden Vermi compost and biogas plant is installed in the institute. The biogas plant processes about 35kg wet garbage per day, and resultant slurry is used in vermiculture plant. The gas generated is utilized for cooking purpose in the college canteen. The compost obtained in the process are used for the plants and garden in the institute. This saves at least 3 LPG cylinder consumption with an approximate amount Rs. 3600. By vermicomposting a reduction in property tax of 5 is achieved. ? Roof Top Solar Energy Plant: Solar Roof Top PV Systems for 5 KW load installed in the campus to generate electricity through solar power. ? Waste water treatment plant: The institute has a waste water treatment plant of 20000 liters capacity. The institute conducts various programs and awareness campaigns on waste management. ? Ewaste disposal: Ewaste management can be done by number of ways such as reduce, reuse and recycle. The nonworking computer spare parts and other nonworking 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 During Swachhata Pakhawada, Cleanliness Drive, Riverside Cleanup Drive are some of the activities carried out by the institute to promote Swach Bharat Abhiyaan. ? Green Audit The Institute consulted Dr. Sunil D. Kulkarni for quantifying the greenhouse gas (GHG) emitted on the campus. The green audit report is prepared by adhering to the standards provided by ISO/DIS 14067, 2012 and report was submitted. The GHG quantification is done in terms of carbon foot prints (CFP). The carbon foot prints are expressed as Carbon dioxide equivalents (CO₂e). All the departments of the college were audited for the emission of GHG directly or indirectly. ? Energy audit Energy Audit of consumption of electricity in the Institute is conducted by our students with "Enrich Consultants" Pune. The objectives of the audit includes to study the energy consumption pattern of the facilities, identify the areas where potential for energy/cost saving exists and prepare proposals for energy/cost saving along with investment and payback periods. We have implemented no cost and low cost recommendations according to the guidelines given in Save Energy Program of Maharashtra Electricity Development Agency [MEDA]. Problems encountered and resources required: Problems encountered: ? Creating the awareness regarding green campus requires continuous efforts. Resources required: ? Involvements of stakeholders and external agencies for implementation of different green practices. Evidence of success: ? One of the laboratory uses electricity generated through solar plant. ? The waste water processed is used for garden and washroom flush. ? Continuous water supply is available even during the period of water scarcity. ? Problem of disposal of garbage is solved by Biogas plant. ? Infrastructure required to conduct courses under PMKVY using green practices. BEST PRACTICE 2: Title of the Practice: ? Project Based Learning Goal of the event: ? To enhance the skills of students by actively engaging them to build solutions for realworld or societal problems. 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 contentdeliverer to facilitator. Students work more independently, with the teacher providing support only when needed. ? Students are encouraged creatively solve problems, stay focused, work as part of a team, and how best to do their work and demonstrate their understanding. Implementation: ? Students work together in groups for creating small projects from first year itself. Students undertake applicationbased 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. Problems encountered and resources required: Problems encountered: ? Identifying distinctive real life issues and its practical implementation. ? Motivating students to work in a group to successfully accomplish a task within stipulated time. Resources required: ? Laboratories well-equipped with equipment's and required software. ? Industry expert guidance is required throughout the completion of the projects. 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://www.moderncoe.edu.in/dist/documents/7.2%20Institutional%20Best%20Practices%20A.Y.%202017-18.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

The Vision of the Institute focus on creating a collaborative academic environment with holistic development of the students. The distinctive approach towards this vision, is to apply the knowledge efficiently and effectively with concern for societal, environmental, and cultural aspects. The Institute encourage students to undertake various programs for the upliftment of society. Students are working on BHAU (Incubation Centre at COEP) projects under Develop Village Develop India program where they design and evaluate solutions to meet specified needs and problems. We have taken initiative under IT awareness program in which activities like "creating awareness on the role played by technology to improve the socioeconomic status of women and school students" are conducted. Various lectures and seminars on diverse issues are conducted under program such as SocialTalk, Vicharghan lecture series, Wisdom tree lecture series to stimulate personal and professional growth through discussions about attitudes, feelings, and experiences related to the field of community and justice services by inviting distinguished personalities. Develop Village Develop India We have focused on following areas for rural development. 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. Students working on various rural area projects under BAHU (incubation Centre at COEP). 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 socioeconomic status of women and school students in rural areas. Each One...! Plant One...! The program started by the young worker students the faculty members. The students walked through hilly areas like 'Hanuman Tekdi', Near BMCC College Campus. Safer Roads... Safer India... The "Safer Roads Safer India" program is one of the most challenging and enriching initiatives that we have been a part of in past 4 years. We were able to engage members of various club members to reach out and generate awareness among nearly 3000 people comprising of almost 2800 students and 200 adults through awareness seminars and activities. Helping Hands for Orphanage "Helping Hands for Orphanage" is a 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 wellbeing to children in society. This program promotes a strong family values and emphasize the importance of education and faith. We currently operate four orphanage centers in the Pune city.

Vicharghan: Lecture Series on Life Skill Management and Social talk In Vicharghan Profound speakers and experts in different areas of concern like Economics, Finance, GST, Demonetization, Team work, Information Technology are being talked about. The emanate speakers delivered lectures on topic Shivaji a good engineer and manager', , Science and Spiritualism, Science and philosophy, Vat Tudavatana, Present Economic Change and You, Present Economic Change and You and many more.

Provide the weblink of the institution

<https://www.moderncoe.edu.in/dist/documents/7.3%20Institutional%20Distinctiveness%20A.Y.%202017-18.pdf>

8.Future Plans of Actions for Next Academic Year

ICT usage in teaching learning process builds effective communication between teachers and students, quality education and enhances lifelong learning. It is proposed to percolate the use of smart board, virtual labs where the students can avail the various tools for learning, including additional webresources, videolectures, animated demonstrations, selfevaluation for interactive educational classroom, necessary infrastructure and faculty skill improvements shall be implemented. To enhance the interaction with industry by way of doing MOUs and accreditation so that knowledge sharing, internship, placements, project sponsorship, event sponsorship, webinar, FDP increases. Also it is proposed to increase the number of apprenticeships under various Government bodies. To create a vibrant local innovation ecosystem and develop better cognitive ability amongst students the Institute shall establish IIC (Institution Innovation Council) leading to an innovation promotion ecosystem in the campus. The Cell shall organize periodic workshops, seminars, interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators. The Institute shall upgrade digital library with Ebook access to students. This will be a place where information is kept on a portal through which students and faculty will access the vast information resources. The language lab which is used for skill building in English language shall be upgraded for more number of clients with integrated and extensive English language learning materials, exercise on Grammar, vocabulary and reading comprehension. To encourage students and faculty members for undertaking innovative, research based or product development based projects by providing inhouse funding, conducting and organizing workshops to create awareness on topics of ownership, confidentiality, disclosure, patentability, technology transfer, revenue sharing and conflict of interest, IP management etc. To increase the number of collaborative activities for research with industries and other organizations of repute. The institute proposes to bring in degree of validation in the review of teaching learning processes. It is therefore, proposed to form audit committee for academic verification at institute level.