Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	PCET'S PIMPRI CHINCHWAD COLLEGE OF ENGINEERING
Name of the head of the Institution	Dr. A.M. Fulambarkar
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02027653168
Mobile no.	9822567832
Registered Email	pccoeadmin@gmail.com
Alternate Email	registrar@pccoepune.org
Address	Sector No. 26, Pradhikaran, Near Akurdi Station, Nigdi, Pune.
City/Town	Pune
State/UT	Maharashtra
Pincode	411044

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. P. A. Deshmukh
Phone no/Alternate Phone no.	02027653168
Mobile no.	9422239532
Registered Email	padmakar.deshmukh@pccoepune.org
Alternate Email	deshmukhpadmakar@gmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://www.pccoepune.com/pdf/naac-iqac/FIRST_NAAC_AQAR_Report_2017_18_MHCOGN27144.pdf

4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.pccoepune.com/pdf/naac-iqac/PCCoE_Academic_Calendar_A.Y._2018-19_Sem_I.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.20	2017	27-Nov-2017	26-Nov-2022

6. Date of Establishment of IQAC	21-Nov-2016

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

ISO Internal & External audits for academic administrative processes	14-Mar-2019 2	350
ISO Internal & External audits for academic administrative processes	07-Sep-2018 2	350
Emphasis on quality conscious efforts ensuring continuous improvement and its assessment through regular meeting of Internal Quality Assurance Cell (IQAC)	21-Jan-2020 1	18
Emphasis on quality conscious efforts ensuring continuous improvement and its assessment through regular meeting of Internal Quality Assurance Cell (IQAC)	13-Jun-2018 1	18
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Mechanical Department	ASPIRE	Savitribai Phule Pune University, Pune	2018 730	300000
Civil Department	Research Proposal	Savitribai Phule Pune University, Pune	2018 730	290000
Computer Department	Research Proposal Scheme	AICTE, New Delhi	2018 730	832000
Computer Department	research Proposal	Savitribai Phule Pune University, Pune	2018 730	300000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File

10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

The IQAC plays an active role in internalizing a culture of quality within the College. This culture is maintained and sustained by several initiatives taken by the IQAC Cell through the year. • Academic audit of all the departments Academic audit is conducted every semester by the internal audit committee. An external audit is done every year by the third party (TUV Nord). • Development of Infrastructure : New Laboratories Workshops The institute has facilitated the development of physical infrastructure to ensure that the infrastructure requirements of the stakeholders are met. Depending on the revision of the syllabus and needs to address the gaps in curriculum, the lab requirements are identified and developed accordingly. Capacity building exercise is done every academic year based on the periodical revision of the syllabus and requirements to bridge the gap in curriculum. • Performance parameters Index : The performance of the departments is measured in 0 to 100 . All departments do the assessment of their respective performances on the scale 0 to 100 . These assessments are presented in MRM Meeting for review. • Project alignment with National Thrust Area : To give an impetus to the research in all the departments, the institute has aligned its special interest groups with the thrust areas like Education, Medical Sciences Health Care, Food and Agriculture, Energy, Environment, Transportation, Communication, etc. based on the 12 prerogatives mentioned in Technology Vision 2035 document by Technology Information, Forecasting and Assessment Council (TIFAC). • Student Profiling Test : At PCCoE, we are focusing on building students personal profile or portfolio that includes a academic progress, enhancement of the technical skills. During Academic year (20182019) psychometric analysis of all first year students is carried out to identify strength weakness in the areas of aptitude soft skills Aptitude skills. These skills were analyzed with respect to quantitative ability, logical reasoning ability English comprehension. Soft skills are measured with respect to five indicators which are 1) Confidence Emotional stability 2) Personal Accountability or Conscientiousness 3) Team work or extraversion 4) Empathy or Agreeableness 5) Multitasking or Polychronicity As the profile grows year by year above analysis will help you make choices about how you develop your programme of study, and to identify the portfolio of skills, knowledge and experience that you can carry forward into your future career.

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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
Interaction with core industries	Each department was encouraged to invite the industrial experts to guide / motivate the students and staff. Also faculty members and students were motivated to visit industries and work towards getting internship, placement opportunities for students, industry sponsored projects, etc.
Internship / Placement initiatives	PCCoE has focused on employability of the students and carried many activities under dedicated training and placement cell, student development activities. Faculty members and students interacted with the industry delegates through various schemes like TIFAC, students chapters, add on courses, etc. In 2018-19, 601 students joined internship in various industries and 459 students placed.
Technical Add-on Certification programs:(24-100Hrs Program)	Various Technical Certification programs, Hands-on workshops on recent Technologies/Tools (viz. MSIT .net, Hadoop, Catia, Steam Engineering, PLC programming, StadPro etc.) are conducted in departments to ensure student's readiness on skill sets required in Industry. Total 9 certification programs are conducted in 2018-19 and 354 students get benefited.
Personality and Communication Skill Development Programs: (20Hrs Program) and Aptitude and Soft Skills Training: (80-100Hrs Program)	Aptitude and Soft Skills Training program of 80-100 Hrs, covering Spoken English, Verbal ability and communication skills, Aptitude, GD and PI and Finishing Course is arranged to prepare students for aptitude tests for various companies and other competitive exams, improve their communication skills and groom their overall personality to adapt easily to corporate culture.
Profiling /Language Proficiency /Psychometric Tests:	A profiling or proficiency test for all FE students is carried out in past few years to make an evaluation of student's personal attributes, skills, proficiency, values and life skills in an effort to maximize his or her learning performance by counseling them to prepare their learning plan. In 2018-19, 670 students appeared for the test and got benefited.
Art of Living Yes+ Program: (24 Hrs Program)	It is a life-skills program designed specifically for students to accelerate personal all-round excellence. It is a smooth blend of Ancient Wisdom, Yoga,

	Pranayama (breath control), Meditation and the Sudarshan Kriya, fused with contemporary intellectual exchanges. In 2018-19, 409 students participated in YES+ program.
Application to UGC New Delhi for Autonomous Status	Application along with report is submitted to UGC, New Delhi for fresh Autonomous Status in January 2019.
Planning and scheduling of various academic Activities	Academic Calendar for every semester accommodating university exam schedules
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018
Date of Submission	24-Dec-2018
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Yes, the institute has MIS implemented to have an effective planning and control over Academic, Administrative and Allied processes. There are different modules in MIS that are practiced through Enterprise Resource Planning (ERP). The entire flow of information is controlled, executed and monitored through various modules in • Academics: Student Admission, Academic load distribution, Time table, Teaching plan and execution, Student Progressive assessment, Examination management, Student Feedback etc. • Administrative modules: Employee Information management (HR), Employee Leave Management, Payroll Management, Student Fee Management, Finance and Accounts through Tally ERP etc. • Allied Processes modules: Hostel Admission module, Hostel Fee management, Library management through Web OPAC

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Institute is driven by the disciplined academic culture which is established to address the learning needs of students and follows philosophy of Plan-Do-Check-Act (PDCA) while implementing the teaching-learning process. This process ensures systematic planning, intended execution, scrupulous monitoring and necessary improvements. Academic Planning for Implementing the Curriculum: Institute and Department performs systematic planning for the implementation of curriculum which includes- 1. Resource Planning: Infrastructure, Books, faculty and staff etc. 2. Schedules: Academic Calendar, Event Calendar, monitoring activities, Meetings etc. 3. Content Planning: Teaching Plan, Content Delivery Methods, Question Paper, Course Presentation, Learning Resources etc. 4. Events and Activites: Curricular, Co-curricular, Extra-curricular including Games and Sports. 5. Institute and Department have designed hierarchical structure of faculty to perform and review the planning of curriculum content for qualitative execution of teaching-learning process. ? Course allocation for the coming semester is done well in advanced by considering the competencies and interest of the faculty. This gives ample time for curriculum planning, content delivery and detailed planning for the deployment. ? The academic calendar is prepared and circulated to faculty members and students for necessary preparation and adherence to the timeline. ? Faculty prepares the Course File, Teaching Plan, Laboratory Assignments Plan and relevant preparations of the laboratories and ensured the calibration and maintenance of the equipment. If required procurement of consumables, equipment and instruments is done. ? Each course coordinator in consultation with respective course faculty defines and reviews the Course Outcome of the course and ensures uniformity among different divisions. ? Each module coordinator ensures and review course outcomes defined for different courses in respective module and monitors assessment and attainment of the course outcome. ? Program Assessment Committee defines and review assessment, attainment of program outcomes through direct and indirect assessment methods and also ensures alignment of course outcomes of different course modules with program outcomes. Deploy Action Plan for Effective Implementation of the Curriculum: The plan prepared by course faculty is deployed through execution of teaching-learning process. Faculty deploys his content through various planed Course delivery methods and activities which include Classroom Teaching, Laboratory Demonstrations, Project Based Learning, Seminars, Guest lectures, Industrial visits etc. Faculty adheres to schedules generated in teaching plans and ensures ? The course outcomes and implementation of the assessment tools to ensure attainment of course outcomes. ? Appropriate Content Delivery Methods for the effective delivery of courses like Lecture with interaction (CDM-1), Quiz (CDM-2), Group Discussion (CDM-3), Demonstration (CDM-4), Case study (CDM-5), Mini projects/Competition (CDM-6), Presentation(CDM-7), Industrial visit(CDM-8), Asynchronous Discussion (CDM-9), Tutorial (CDM-10) etc. to meet the Programme Outcomes. ? The Departmental Meetings are held periodically to review the implementation of the course curriculum.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development

No Data Entered/Not Applicable !!!

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 !!!		

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
No Data Entered/Not Applicable !!!		

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

	Certificate	Diploma Course
Number of Students	0	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
No Data Entered/Not Applicable !!!		

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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
Formal mechanism is devised to obtain the feedback from students and stakeholders regarding academic and administrative processes. Feedback from stakeholders is taken in various forms such as 1. Academic feedback through MIS 2. Student Feedback through Parent Teacher Guardian (PTG) Meeting 3. Course End Survey 4. Student satisfaction survey 5. Suggestion box 6. Parents Meet 7. Student Exit feedback 8. Alumni Meet 9. Employers feedback through various interactions The collected feedbacks from the stakeholders are analyzed at department level as well as at Institute level. The recorded responses are communicated through Head of the departments to the Principal office, Deans, respective Section and Portfolio in-charges for remedial actions. These feedbacks are compiled and reports are generated for further processing and

necessary dissemination. This feedback essentially reflects the suggestions for improvements in the areas like academic processes, administrative processes, hostel and food facility on campus, Institute ambience, infrastructure and allied facilities. The feedback related to academic process is analyzed at respective departments and corrective measures are discussed in Program Assessment Committee meetings. The feedbacks related with regular teaching – learning process is shared with respective faculty members. The necessary suggestions and recommendations for suitable content delivery methods, teaching learning aids, etc. are given to the concern faculty member. The improvements are observed by the PAC committee members and informal suggestions are taken from the students in the class. The recorded feedback associated with the administrative processes is communicated to the respective process owners. Hostel related queries are forwarded to and resolved by the Hostel Rector. Similarly the concerns related to the infrastructural requirement, central facilities such as Canteen, Mess, Library, Internet, etc. are communicated to the respective section incharges for resolution and remedial actions. The feedback suggestions which cannot be addressed at the department will be forwarded to the Administrative office for corrective action. A meeting of Principal, Deans, HODs, Section In charges is convened as and when necessary and also at the end of each semester to address such issues. The necessary directions are given to the section incharges for the remedial measures and improvements. The alumni meets are conducted annually and their suggestions are considered for enhancing the overall academic culture of the institute. These suggestions resulted into enhancing the laboratory facilities, add on courses, etc. The industry and employers feedback is taken through employer feedback form, interactions during placement drives and industry visits. These feedbacks are important for Curriculum enrichment, enhancing communication and soft skills of the students. This leads to the Industry collaborations, laboratory developments and MoU's. The suggestions from the industry and employers are taken into account and various add on courses, workshops, training sessions are recommended for enhancing the skillsets required for student employability and internship opportunities.

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 !!!				

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	686	181	154	31	192

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
No Data Entered/Not Applicable !!!					
View File of ICT Tools and resources					
View File of E-resources and techniques used					

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

A professional counselor is available to guide and counsel the students. General information is sent to all students of all the departments informing them of the services extended by the cell and availability of the professional counselor. The students are encouraged to seek guidance on academic, general or psychological issues, if required. Effective counseling, proper guidance at proper time and motivation with full involvement leads to the expected outcomes which are: • Good attendance • Excellent academic results overall performance • Increased Confidence level of our students • Participation in extra-curricular activities • Overall development of students • Improved decision making ability Mentoring is provided to the students in different ways like: 1. Professional counseling (Friends cubical by professional counselor): Counseling on emotional, social, mental and spiritual level Individual group counseling Enhancing the skill of performers Encouraging the students who need motivation Workshops for parent teacher guardians 2. General counseling (Parent teacher guardian Scheme): •Observe and identify need of special care required (if any) and help to provide the same. •PTG can work as mediator between institute and students. •They can create awareness about various SDW initiatives like programs, events, activities amongst students. 3. Academic Career counseling: •Extra efforts and counseling for weak learners in the class •Motivation to bright students in the class •Motivate for participation of students in various events •Counseling of students having less attendance •Create awareness about placements higher studies •Create awareness guide for developing technical skills 4. Counseling Cell (works at institute level): •To identify the needs of the students provide necessary guidance at institute level •To create awareness about various SDW initiatives like programs, events, activities amongst students through PTG's , Class teachers •Channelize the efforts taken in counseling in various departments in the institute and improve the expected outcome in various areas. 5. Youth Empowerment and Skills (YES!) workshop: • To equip students with necessary life skills such as •Excellent performance in academics and professional life •Nurture morals, ethics, and human values among the students •Develop sense of nationalism and social responsibility

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
867	192	1:16.6

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
168	192	0	192	24

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
MCA	PG	6	17/05/2019	04/07/2019
MBA	PG	4	13/05/2019	06/07/2019
ME	PG	2	06/06/2019	14/08/2019
BE	UG	8	27/05/2019	22/07/2019
BE	UG	6	28/05/2019	22/07/2019
BE	UG	4	29/05/2019	21/07/2019
BE	UG	2	28/05/2019	21/07/2019

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

Being an affiliated institution to Savitribai Phule Pune University, the Institute is implementing the curricula changes (Course Patterns) occurring at the university level. University Curricula is transitioning from 2012 pattern to 2015 pattern. Subsequently, the institute has to bring certain reforms in Continuous Internal Evaluation system. In 2012 pattern, the theory examinations were conducted at the end of every semester. Hence the CIA system in Institute conducts two internal examinations as Unit Test-I and Unit Test-II during the semester. In 2015 pattern, University has proposed two theory examinations, mid of the semester and end of the semester as INSEM and ENDSEM examination for Third Year and Final Year Engineering Students.. Hence the Institute has decided to conduct one unit test during the semester for Third Year and Final Year Engineering Students. For First Year and Second Year Engineering, the earlier practice of conducting two Unit test is continued. In continuous assessment system, earlier additional efforts marks were over and aboveTerm Work (TW) marks. From AY 2018-19, the additional effort marks are included in Term Work marks. This change has motivated all the students to put additional efforts in the respective subject to maximize the TW score. As per the requirement of new NBA norms, every department has framed PSOs and course outcomes are mapped with PSOs to assess students outcome based performance. Earlier only two levels of mapping of COs to POs were used. As per the recommendation by NBA peer teem, now three levels of mapping is implemented. Earlier targets were set on the basis of absolute results for CO attainment. In line with new norms of NBA, targets/threshold values are set on the basis of average.

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

The Savitribai Phule Pune University, Pune issues the academic calendar for all affiliated Institutes before the commencement of academic year. The calendar provided the planning of academic and examination activities for all course run by the institution. In line with the University Calendar, the Institute prepares the Academic Calendar mentioning the planning of all academic activities. Every Department prepares the Event Calendar based on Academic Calendar of the Institute and highlights the detailed planning of all academic and allied activities including the internal Examination schedule. The adherence to the Event Calendar/ Academic calendar is scrupulously monitored at department level through Academic Coordinators, Section In charges and HODs. At Institute level all Deans and Principal monitors the execution of the 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://www.pccoepune.com/deandesk.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 !!!					

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2.7 – Student Satisfaction Survey

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

http://www.pccoepune.com

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 !!!				

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
IPR- Patent filing Process and Its Commercialization Guidelines - Patent Filing workshop	Computer Engineering	29/09/2018
IPR Awareness Program - One day workshop on “Copyright filing”	Computer Engineering	09/02/2019
Patents Drafting, Filing Publishing Process	Information Technology	20/07/2018
Entrepreneurship Aptitude Test (EAT)	RI Cell	28/07/2018
3 Days Entrepreneurship Awareness Camp in association with MCED and DST	MCA	06/09/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category

No Data Entered/Not Applicable !!!
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	3	0

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

Name of the Department	Number of PhD's Awarded
0	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	MCA	2	5
International	MCA	1	6
International	Information Technology	4	6
International	Computer Engineering	53	1.6
International	Electronics and Telecommunication	56	0
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
MCA	2
Computer Engineering	46
Information Technology	1
Electronics and Telecommunication	2
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	67	68	81	152
Presented papers	140	1	0	12
Resource persons	11	0	0	17
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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Street Play Competition	Award	Award	9
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
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
0	0	0	0
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
70	71.13

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
No Data Entered/Not Applicable !!!	
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SmartLib then shiftted to Cloud Vision ERP in 2015	Partially	-	2005

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content

No Data Entered/Not Applicable !!!

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1767	33	201	1	1	26	1767	201	0
Added	10	0	0	0	0	0	10	0	0
Total	1777	33	201	1	1	26	1777	201	0

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

201 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
http:10.20.0.185	http:\\10.10.0.5/vid.html

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
20	1298902	253	27440951

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The institute provides state of the art infrastructure to address the need of an effective teaching and learning process. In addition to the norms laid by the AICTE, DTE and SPPU for physical infrastructure to cater co-curricular and extra-curricular activities, the policy is to provide educational infrastructure for students in terms of laboratories, software and equipment, library resources, and well-furnished classrooms etc. The infrastructure facilities are enhanced by addressing the needs of students and faculty members to support research, product development, etc. The AICTE has laid infrastructure norms for disseminating the teaching and learning process. The institute follows the guidelines for facility development and submits the report to the AICTE for ensuring the available resources to suffice the infrastructure need for academic growth. • The institute was established in 1999. Since then the requirement of physical infrastructure was duly identified, planned and constructed to meet the needs. Each of the programs, run by the institute, are provided with the required academic and administrative infrastructure as per AICTE norms in the form of class rooms, laboratories, tutorial rooms, seminar rooms and faculty rooms. • Zero Deficiency Report from AICTE is obtained every year which ensures that the availability of the infrastructure is in line with the academic growth • All the class rooms are equipped with CPU, LCD Projectors and screens and internet

accessibility. • All required well equipped laboratories with multimedia teaching aids. • Additionally there are central facilities like Innovation Center, Digital Library, Computer Center, Examination Control Office, Canteen, mess and Student Recreational facilities like Art Circle. • The campus also provides adequate parking facility (approximately 2000 two wheelers for students only) for two wheeler and four wheeler vehicles • The institute functions in two shifts to optimally utilize the available infrastructure. Additionally the inputs are also taken from the departments in preparing the time table to ensure optimal use of infrastructure. Maintenance committee takes care of academic infrastructure and facilities. A well-defined organizational structure and Processes are established and followed as per the norms of ISO 9001:2015 (drafted in Maintenance and Fire and Safety Process Manual) to carry out the day to day maintenance of these facilities. Maintenance committees carry out work in following major areas – a) Mechanical Maintenance b) Electrical Maintenance c) Civil maintenance d) Fire and Safety e) Computers and Peripherals. These committees have defined objectives to ensure regular up keepment and maintenance of all facilities. Activities of these committees are reviewed regularly through review reports and internal audits. Preventive maintenance schedules are prepared and monitored. Annual Maintenance contracts with external agencies are made to ensure upkeepment, safety and security of the Campus.

http://www.pccoepune.com/

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	-	0	0
Financial Support from Other Sources			
a) National	-	18	853358
b)International	-	0	0

No file uploaded.

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 !!!

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	GRE,GATE CAT ,UPSC/MPSC awareness	3438	3438	57	0

	and counselling programs				

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	40	Refer Appendix 1	Refer Appendix 1	Refer Appendix 1	Refer Appendix 1

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	31
CAT	5
GRE	21
Civil Services	5
Any Other	3

No file uploaded.

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 !!!		

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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for	Number of awards for	Student ID number	Name of the student

			Sports	Cultural		

No Data Entered/Not Applicable !!!

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

Institute has an alumni association named “Alumni Association of Pimpri Chinchwad College of Engineering, Pune”. PCCoE Alumni Association was formed in the year 2005. The PCCoE Alumni Association has been registered, as per society registration act 1860, on 2nd Feb. 2005 with registrar of societies at Pune with registration number: Maharashtra/150/2005/Pune. The association was registered. Governing Body of Alumni Association Sr. No. Name of Alumni Designation 1 Balkrishna Kelkar President 2 Prakash Pansare Vice President 3 Abhishek Mugalikar Member 4 Ronald Makernhas Member 5 Jayant Sakhare Member 6 Sachin Naik Member 7 Sandeep Das Member 8 Sidhheshwar Nagul Member 9 Rohit Saxena Member 10 Suryakant Jadhav Member Major activities and contributions of this association are: • Expert lectures. • Support in placements. • Interaction with junior students (SE/ TE/ BE students). • Interaction with faculty. • Support in forming departmental advisory boards. • Online suggestions and problem/ query solving on Alma Connect portal. • Support in guiding junior students for higher education (sometimes personal sessions and sometimes through Skype). • Networking with other alumni. • Arranging alumni meets. • Getting feedback from alumni. The institute is having functional alumni cell that ensures the interaction with its alumni. • The institute have alumni portal Alma Connect. Alumni can interact with junior students faculty through this portal. • Regular alumni meetings are organized. • Alumni is informally a part of the teaching learning process through modes like expert lectures, project co guides, placement activities and mentoring students. • Online platforms like Google groups, Facebook, WhatsApp, Alumni group, Linked In and Skype are the few of the tools used for networking with alumni. • Alumni are a part of social extension activities at the institute. Alumni can access day to day activities of institute through website and Face book page.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes Institute has registered alumni Association. This Alumni association includes around 4,500 students from different streams of Engineering (BE) like Computer, IT, ETC, Mechanical, Civil MBA MCA etc. Alumni help our institute by conducting Mock Interviews, Mock GDs for current students. Through this alumni association we got reference of HR Members of Industries

5.4.2 – No. of enrolled Alumni:

4500

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Every year we conduct one alumni meet and apart from that Department level alumni meet is also being arranged.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The PCCoE envisages decentralization as a basic requirement for creating conducive environment for participation and accountability at each level of administration. We at PCCoE believe in establishing the "Working Together culture" that develops cohesive and harmonious environment in the departments and creates belongingness. With these focused objectives, the efforts have led to the systematic mechanism of delegation of the authority and provided operational autonomy to all the heads / in-charges of respective departments. The academic and administrative responsibilities of the College are carried out by the Principal, Deans, Head of the Departments, Registrar. The Organizational Structure is demonstrated in Fig 6.1 that ensures the smooth functioning of the institute and caters to the needs of the stakeholders. Their major duties and responsibilities at various levels are given below. Sr. No. Designation Duties and Responsibilities 1 Principal General Administration, Academic Planning, Monitoring and Control, Overall development of the Institute 2 Dean Academics Academic planning, monitoring and Control of the UG and PG Programs 3 Dean, RD Research, Innovation and Development 4 Dean, III Training and Placements, Entrepreneurship development 5 Dean, Student Development Welfare Planning, Monitoring and Assessment of all Student Development initiatives, activities and programmes. 6 Registrar General Office Administration, liasoning with statutory bodies, records, etc 7 HOD Academics planning, Administration and monitoring of department 8 Librarian Library Development and Maintenance 9 Workshop Superintendent Workshop Planning, Development and Maintenance 10 Physical Director Planning Execution of Sports 11 Rector Hostel Administration and Control 12 Girls Hostel Warden Girls Hostel Administration and Control Two practices of decentralization and participative management : Induction program Induction programme is usually conducted every year at the institute level for the first year students before the start of academic session. A separate induction programme is not organized at institute level, for the Direct Second Year (Lateral Entry). Hence to address those students and introduce our institute and department culture a decision was made in department level to organize a special induction programme. Hence Induction programme for the Direct Second Year (Lateral Entry) students was organized at the department level on 3rd September 2018. We were also able to share details of our department, our style of functioning to the students and parents and various facilities and opportunities they can avail during the period of study. This initiative was highly appreciated by the parents too. Unit Test As per the central institute common policy two unit tests are to be conducted every semester for Third year and Final year engineering students. But due to decentralization, we had the freedom to conduct the unit test based on our previous feedback from students and faculty. Already the University used to conduct In-semester and End-semester exams and adding two more unit test internally was adding still more burden on the students. In this regard a decision was made in the department level that there will be only one unit test and it shall be based on first five units. Already first three units are covered in in-semester exam conducted by university. More weightage of marks was given to the last two units as their weightage was more in end semester examination conducted by university. The unit test was conducted during the end of semester from 12/09/2018 to 21/09/2018 for Third year and Final year students for 2 hour duration and 50 marks, based on new examination policy formed by department. As a result of this attempt the students were able to get the experience of end semester examination pattern through the unit test and we were able to visualize the improvement in the unit test results too.

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
Research and Development	The institute has a separate Research and Development (RD) Cell headed by Dean RD. The RD cell comprises of dedicated team of faculty representation from all departments. The main objective of this cell is to inculcate RD culture in the institute. So, this cell have formed Special Interest Groups (SIGs) in all the department, where faculties as per their expertise domain gets enrolled in respective SIG's and promotes the research activities amongst all the students. The SIG promote the research culture by conducting various events such as awareness workshops, trainings, competitions, and lectures for the students on a regular basis. The RD cell of the institute has successfully motivated the students and faculty for filing the patents. Policies related to research are formulated by a core committee comprising of all Deans and HODs headed by Principal, so as to smoothen and strengthen the research promotional activities. The impact of R D promotion and recommendations of the RD cell is reflected in the following: 180 patents were filed by the students and faculty in last three years Student's participation is increasing in National and International events such as ACM-ICPC, ACM-W, SAE BAJA, SAE SUPRA, ROBOCON, e-Yantra (Robotics Design), AVISHKAR-University Research Competition and various conferences. They have received awards for Innovation, Design. etc. The Institute has research and development (RD) cell / committee to promote, guide, monitor and address the issues regarding R D. The Cell is headed by Dean, RD. Role of the Committee • The committee plays the crucial role of inculcating and promoting innovation research. • It nurtures the potential ideas of the students/faculty and helps them in publications in Research Journals, Presentations in Conferences and filing the patents/copyrights. • It helps to elevate the alertness of funding opportunities to support R D and looks after the processes related to externally funded/ sponsored /

	consultancy projects. • It helps to apply for conference travel funding for faculty and research scholars and also support financial assistance in terms of registration fees reimbursement, hosting research conferences, seminars and workshops. The Institute has good research facilities. All the laboratories are well equipped with necessary instruments and software's to cater the academic needs and support research activities. Institute has provision for ICT, e-learning resources, e-journals and high speed internet. Researchers are given liberty to purchase equipment as per their needs within budgets. The Institute has a well-structured policy for research promotion and funding. Institute has RD budget to a tune of 60 lakhs which are allotted to all department for UG and PG programmes.
Library, ICT and Physical Infrastructure / Instrumentation	Central library of the Institute is of 726 sq.mtr area with 200 seating capacity. It is enriched with state of the art content and well maintained by qualified and competent staff. Library has 42045 books, over 1000 journals (electronic print), referrals and magazines. High bandwidth internet facility is available with dedicated computers for the digital library. Library is open beyond the working hours to support learning and research activities. Library committee of the Institute plans periodical up-gradation of books, journals, magazines, periodicals and the maintenance.
Examination and Evaluation	The examination and evaluation is done through formative and summative assessment. These methods approaches gives insights regarding student performance which helps to identify learning needs and take necessary actions for possible improvement. Teachers use the formative assessment approaches to modify teaching and learning activities for improving student learning. Formative assessment is carried out by following ways • Online examination for theory • In-semester examination for theory • Continuous assessment for lab work • Project evaluation by industry experts • Unit Test, Mid-Term and End-term Mock Exam • Mock – online examinations • Theory assignments for practice • Extra

	turns to practice for practical sessions. • Course and Program outcome assessment. Summative assessment is carried out by following ways • End semester theory examination • Project examination • Oral, Practical examination • Direct Assessment Methods • Unit Test • Theory Assignment • Mid-term • Indirect Assessment Methods • Surveys o Passing Out survey o Course exit survey o Alumni Survey o Parent Survey. Activities (Co-Curricular and Extra-curricular)
Human Resource Management	The PCCoE is located in the close vicinity of the industrial hub and is well recognized to provide skilled man power to the industry. The PCCoE philosophy is based on sustainable development through academic excellence, innovation and research. A key in keeping with the continual thought-provoking environment and its challenges has been the efforts towards continuous development and enrichment of the faculty and the non-teaching staff. The institute has 30 faculty having PhD qualifications and 34 faculty are presently pursuing PhD qualifications. All faculty are PG qualifications. From non-teaching staff 12 have completed and 03 are pursuing higher studies. The management of the institutes believes that the faculty is a key to success. Therefore in order to maintain the pace of its dynamic growth, the institute always encourages staff members to go for higher studies, participation in various national and international seminars, conferences, technical events etc. to keep their knowledge up to date. To strengthen the innovation and research pillar of PCCoE philosophy, the institute provides additional facilities like provision for special leave in addition to study leave, flexibility and convenience of rescheduling the teaching load of the researcher, etc. Financial assistance is provided for its staff to undertake research projects, participating and / or organizing in conferences / seminars / workshops / training programs. The institute also organizes various interdisciplinary workshops and training programs to address the recent trends for enhancement of the skill requirements. These initiatives nurture the research culture among staff

	members and extended to the students.
Industry Interaction / Collaboration	The institute works on four pillar philosophy. One of the important pillars is Industry institute Interaction. The cell comprising of department faculty coordinators headed by Dean, Industry Institute Interaction looks after building the interface between the industry and institute. This cell works for identification of potential in opportunities for student placements, internships, sponsored projects, consultancy and training programmes. Based on these identified potential the joint ventures, MoUs takes the shape and the interface between the industry and institute is further strengthened. The departments additionally build good rapport with the industries with the following means a) Inviting industrial experts to judge various technical events during the technical festival TECHLLIGENT. b) Inviting the industrial experts for the guest lectures, sessions in the workshops, seminars. c) Involving the experts from industry for the poster/ project evaluations at UG/ PG students. d) Sharing of expertise, facilities for the mutual benefit of industry and institute. e) Developing the laboratories in collaboration with industry. f) Developing course curriculum with the help of industrial experts in order to bridge the gap in curriculum. g) Conducting specialized courses in association with industry in order to make the students ready for placements. h) Students are encouraged to bring their own local needs to decide research and consultancy assignments.
Admission of Students	Admission process is carried out centrally by Directorate of Technical Education (DTE) as per the admission rules, regulations and guidelines of the government. Government of Maharashtra conducts common entrance test (MH-CET). The criteria for admission is given below in table 2.1 The detailed criteria for admission of students for different courses are displayed for public information on DTE website http://www.dtemaharashtra.gov.in.
Curriculum Development	Institute has 5 UG and 8 PG programs affiliated to SPPU and follow the

curriculum and academic policies prescribed by Savitribai Phule Pune University, Pune. However, faculty members are involved in curriculum design in various capacities as Academic Council Member, Chairman of BoS, Course Chairman and Experts. Faculty members actively participate in framing and drafting of the curriculum. Workshops for curriculum designing are organized at the Institute and faculty is involved as resource persons and coordinators at such workshops. Since the Institute is affiliated to SPPU, Pune and is bound to follow the syllabus designed by the University. The syllabus is framed or restructured periodically for various disciplines. For this purpose, University arranges workshops at different colleges. Subsequently, the syllabus is finalized at University Board of Studies. The Institute encourages faculty to participate in the workshops related to the curriculum design and also conduct workshops on behalf of the university. Periodic Feedback from the Students, Parents, Alumni and industry experts are taken on curriculum and their comments, suggestions and peer observations are analyzed at department level with concerned faculty and subsequently faculty share their expertise in the syllabus revision meetings. Institute consistently pursues efforts to achieve institution objectives through the curriculum and enrichment courses. The inputs from the stakeholders and the data collected are analyzed and compared with the existing curriculum. The gap in the existing curriculum is identified and summarized as key expectations. In addition, to support the curriculum enrichment Aptitude Courses, Technical Add on Courses, MOCK Interviews by Subject Experts periodic industrial visits expert lectures from industry, academia and research organization internship training programs organization and participation at various Workshops/Seminars, Symposium, Techfests, entrepreneur development program, career guidance association with the professional societies like ISTE, IETE, CSI, ACM, IEEE and many more student chapters where students get a platform to interact on assorted

	ideas leading to development of publications and projects.
Teaching and Learning	Institute is driven by the disciplined academic culture which is established to address the learning needs of students. Institute follows the philosophy of Plan-Do-Check-Act while implementing the teaching-learning process meticulously in line with academic calendar. This process ensures systematic planning, intended execution, scrupulous monitoring and necessary improvements. Our theme and practice of “Value Based Quality Education” shape engineers with competency and with strong sense of societal values. Academic Planning for Implementing the Curriculum: Institute and Department performs systematic planning for the implementation of curriculum which includes- • Resource Planning: Infrastructure, Books, faculty and staff etc. • Schedules: Academic Calendar, Event Calendar, monitoring activities, Meetings etc. • Content Planning: Teaching Plan, Content Delivery Methods, Question Paper, Course Presentation, Learning Resources etc. • Events and Activities: Curricular, Co-curricular, Extra-curricular including Games and Sports. Institute and Department have designed hierarchical structure of faculty to perform and review the planning of curriculum content for qualitative execution of teaching-learning process. The plan prepared by course faculty is deployed through execution of teaching-learning process. Faculty deploys his content through various planed Course delivery methods and activities which include Classroom Teaching, Laboratory Demonstrations, Project Based Learning, Seminars, Guest lectures, Industrial visits etc. Faculty adheres to schedules generated in teaching plans. Following things are ensured. • Faculty disseminates the course outcomes and implements assessment tools to ensure attainment of course outcomes. • Appropriate Content Delivery Methods are used for the effective delivery of courses like Lecture with interaction (CDM-1), Quiz (CDM-2), Group Discussion (CDM-3), Demonstration (CDM-4), Case study (CDM-5), Mini projects/Competition (CDM-6), Presentation(CDM-7), Industrial

	visit(CDM-8), Asynchronous Discussion (CDM-9), Tutorial (CDM-10) etc. to meet the Program Outcomes. • The Departmental Meetings are held periodically to discuss the implementation of the course curriculum.

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

E-governace area	Details
Planning and Development	Academic load distribution, Time table, Teaching plan and execution, Student Progressive assessment, Student Feedback, Student Attendance Sheet-Theory and Practical session, Attendance Monitoring, Academic Monitoring.
Administration	The administrative procedures are controlled through the Human Resource management module wherein many of the modules are implemented in order to have an effective control over the processes. Several modules are developed as per the requirement of the processes such as, • Employee attendance (Employee attendance module is directly interfaced with Biometric attendance system where employee attendance is marked which is linked with the Leave module to keep track of the employee attendance and other related aspects. • Leave module: Every employee is assigned with specific number of Casual, Medical, Earned leaves etc. and when an employee applies for a leave, has to enter their leaves in the system with the Academic load adjustment with the other faculty and upon submission of the leave, appears on the Head of the department?s login for further recommendation.
Finance and Accounts	Employee payroll module is used to calculate payroll of the employee on the basis of the report generated through Biometric attendance system, salary statements.
Student Admission and Support	Student Admission and mapping to the respective departments are managed with the said system. o All the students are provided with the access to the system to view their attendance for the respective subject in order to bring the transparency into the system. o SMS module is integrated with the said system to have an effective communication with the students and

	their parents. Time to time the communication is being sent regarding the performance of their ward.
Examination	• Unit test examination is managed and controlled with the said system where the preparation of time table, allocation of class rooms, unit test result analysis are also generated with the help of the said system. • Exam Wise Student Marks, Dept./Class wise Performance Report, Class wise Exam Failed/Absent Student Report, Remedial Test Result, Defined Performance Report- Based on unit test, mid-sem evaluation etc., Supervision Reports, End Term Submission Form, End Term Unit Test Marks, Result Analysis Report

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
View File				

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
No Data Entered/Not Applicable !!!						
View File						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
180	12	147	9

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• GIS (Group Insurance Scheme) • Maternity leaves for ladies staff • Faculty is deputed for PG and Ph.D. program with salary (as per policy). • Gratuity PCETs employee cooperative society Ltd. • EPF to all staff members • Leaves as per the norms to all staff	• GIS (Group Insurance Scheme) • Gratuity PCETs employee cooperative society Ltd. • EPF to all staff members • Leaves as per the norms to all staff	• Book Bank Scheme for Merit Students.

6.4 – Financial Management and Resource Mobilization

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

The institute takes utmost care for preparing its Financial budget, its allocation and utilization by the respective departments and sections. There are various budget heads taken into consideration and as per the requirement the allocations are done. Periodic Reviews of actual expenditure incurred against the allotted Budgets are taken in the Meetings of the Local Managing Committee and put up for Approval in the Meetings of the Governing Body. Institution follows a good system of internal controls like calling quotations, comparison of rates, preparation of purchase order and approvals at every stage of such implementation and due verification of goods and services that are obtained after delivery or completion of works. No expenses are incurred without proper approval or sanction by the Head of the institution. Internal Audit: • The accounts and procedures of internal control of finance are carried out by the head of the accounts team on a day to day basis and quarterly audit is done by the internal auditor. • Internal audits are conducted quarterly by the Accounts section of the College and the Chartered Accountant. • The audit of accounts and submission of Quarterly return of 24Q 26Q tax returns are carried out quarterly. External Audit: • The accounts and procedures of internal control of finance are carried out by the head of the accounts team on a day to day basis and annual audit is done by the statutory auditor. • The audit of accounts and submission of income tax returns are carried out regularly each year. External Audit was conducted in June 2018 for the period 01.04.2017 to 31.3.2018

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
PRERNA Scheme	737000	For Higher Study
No file uploaded.		

6.4.3 – Total corpus fund generated

5000000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority

Academic	Yes	TUV NORD	Yes	ISO Internal Auditors
Administrative	Yes	TUV NORD		ISO Internal Auditors

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

1.Departmental Parent Meet 2. DAB meeting 3. PTG Meetings

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

1. Recipe of Mind by Dr. Rajeev Nagarkar on 23 May 2019 2. Team Spirit by Dr. Rajeev Nagarkar on 30 May 2019 3. Five S – a Workshop Management Tool by Prof. S.K.Bhoite on 13 Dec 2018

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

1. Institute has applied to UGC, New Delhi for fresh Autonomous status in Jan 2019. 2. An international conference ICCUBEA-2018 organized successfully with international representations. 3. PCCoE participated in NIRF-2019 and received Rank among top 151 – 200 Engineering Colleges in India

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Regular Academic and Administrative audits of all the departments	07/09/2018	07/09/2018	08/09/2018	350
2019	Regular Academic and Administrative audits of all the departments	14/03/2019	14/03/2019	15/03/2019	350

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
A workshop on Women	23/01/2019	23/01/2019	35	0

Empowerment Through Health and Hygiene for rural Self Help Women Group as part of NSS Camp in Wadeshwar				
A workshop on 'Women Empowerment Through Health and Hygiene 'for Ashram School Girls from 5th to 10th Standard as part of NSS Camp in Wadeshwar	23/01/2019	23/01/2019	100	0

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
The major energy consumption is attributed to lighting load. In order to reduce the same, the old 40 W Fluorescent tube lights are gradually being replaced by energy efficient 20 W LED tubes. Further, the Institute has installed a grid connected solar photovoltaic plant of 25 kWp capacity. The PV plant generates power equivalent to the lighting load of two boys hostel buildings. A cleaned and smoke free cook house is attached to the mess in boys and girls hostel. The institute is assessing the possibility for replacing conventional cooking systems by energy efficient steam-based cooking system. There are two boys hostel and two girls hostel buildings in the campus. Each of these hostels have their own solar water heating systems. Each boys hostel has a solar water heating system of 5000 Lit capacity and each girls hostel has a 3000 lit capacity solar water heating system with heat pump. The green audit report has assessed the Institute in terms of water resources and management, waste generation and management, biodiversity and ecological assessment, health and safety management and sanitation. The institute has scored 4/5 points in all these criteria. The institute premises are cleaned and maintained by an external contractor. A regular assessment of the same is done by the Rector Office staff. The cleanliness and hygiene is thus given detail attention. Majority of the waste generated is dry waste which is disposed safely and daily to the municipality. The food waste from canteens and mess is collected separately by the Municipality. The Institute has upgraded the biodiversity by planting variety of flowering plants and fruit-bearing plants. This is likely to raise the number/species as well as frequency of visit of butterflies/birds in the premises. Thus, a green, clean and healthy environment is maintained in the campus.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Provision for lift	Yes	5
Ramp/Rails	Yes	5
Braille	Yes	0

Software/facilities		
Rest Rooms	Yes	5
Scribes for examination	Yes	5
Special skill development for differently abled students	No	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
No Data Entered/Not Applicable !!!							
View File							

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

Title	Date of publication	Follow up(max 100 words)
No Data Entered/Not Applicable !!!		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Lecture on Non Violence : 1 NSS Volunteer delivered a lecture on Non-Violence to 40 students	29/09/2018	29/09/2018	40
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

The PCCoE always emphasize on taking initiatives in redefining the environmental culture and developing new paradigms by creating affordable and sustainable solutions to environmental that are catering to the need of the society. Following initiatives have been taken by the institute for maintaining a green campus 1) Solar rooftop and solar water heating The Institute has installed a grid connected solar photovoltaic plant of 200 kWp capacity. The plant is net-metered and generates about electricity of about 700 kWh/day. There are two boys hostel and two girls hostel buildings in the campus. Each of these hostels has their own solar water heating systems. Each boys hostel has a solar water heating system of 5000 Lit capacity and each girls hostel has a 3000 lit capacity solar water heating system with heat pump. 2) Green lawn A lush green lawn of 40,000 Sq.Ft. is developed in the midst of the campus. It imparts a tranquil atmosphere to the Institute. The Institute has upgraded the biodiversity by planting variety of flowering plants and fruit-bearing plants. This is likely to raise the number/species as well as frequency of visit of butterflies/birds in the premises. Thus, a green and clean and healthy environment in maintained in the campus. The lawn is used for various technical events and get-togethers. Students play football and other games on the lawn. 3) Effective utilization of waste water for maintaining green campus and Energy Conscious campus Waste water is used for watering the plants and in the campus.

The Institute has conducted an Energy Audit and Green Audit through an external agency and adequate measures are being taken to optimize the energy consumption. The electricity generated through solar photo voltaic cell caters arpund 50 of the electric energy requirement. 4) No plastic zone The campus has been declared as a ‘no plastic zone’. Use of plastic tea cups and plates is strictly prohibited. Proper segregation of waste into wet and dry waste is done. Wet waste and canteen waste is properly disposed in association with by the local municipality. 5) Solar vehicle initiation As a joint collaborative effort of the institute with La Fondation, Dassault Systemes, a six seated solar electric vehicle has been developed. This vehicle will be used for internal mobility within the campus. For charging the batteries of the vehicle, a solar powered charging station is being developed.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. SE Induction program Induction program is usually conducted every year at the institute level for the first year students before the start of academic session. The purpose of the student Induction Program is to help newely admitted students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution. During this induction program, students are given a guided tour in the institute and made aware of various facilities in the campus. Students are exposed to an environment that helps them to build bonds with other students and faculty members. For students admitted through lateral entry i.e. admitted in the Direct Second Year separate induction programme is not organized at institute level. Hence to address those students and introduce our institute and department culture a decision was made in department level to organize a special induction programme. Hence Induction programme for the Direct Second Year (Lateral Entry) students was organized at the department level on 3rd September 2018. We were also able to share details of our department, our style of functioning to the students and parents and various facilities and opportunities they can avail during the period of study. This initiative was highly appreciated by the parents too. 2. Project based learning To improve the ability to apply theory to practice and vice versa. Main goal of PBL is to improve the skills of the students during learning process. Aim of PBL is to provide a platform for students to identify the problems in the society, and provide the solution in terms of software development. This also serves the purpose of developing competency of students to solve engineering problems. Students find it difficult to learn only from theoretical subjects. The best way to master any subject or to get a deeper understanding of it is by having hands-on practical experience. SPPU Curriculum includes mini project based on various technologies in first five semesters, which will help students to apply technical knowledge during project development. In order to keep students in pace with current and latest development trends, various industry internship project were undertaken by students. Therefore PBL helps students to integrate small modules by creating mini-projects during the semester. The faculty members should be able to identify mini-projects for their subjects. In this group projects are done by students on using advanced technologies and methods. Mostly second year and third year students are involved in development of project/ software as a part of PBL. Faculty allocates various topics related to the subject to a group and a presentation is made in front of whole class. Every department provides a platform for students to participate in various project development competitions to expose their innovative ideas. • Competition at PCCOE: The institute arrange following project development competition like TechnoQuest, Innovia, KPIT Sparkle where students can demonstrate implementation of their innovative ideas. • Competition at other colleges: Students are encouraged to participate in project competition like Technocase at IICMR, Avishkar, etc. •

Best projects are identified at each department. Shortlist projects are screened at Institute level to nominate for Avishkar- University Level project competitions. The faculty helps students in problem formulation, feasibility of projects, through discussions in the department, resources required, establishing the methodology, analysis of results, resulting in comprehensive learning through project work, undertaken by students. The number of internship project undertaken by students in reputed organization has been increased in last few years. This leads to increase project development in current technology. Students also won number project competition in various colleges. The research ideas identified through project based learning have led to production of research papers. The project based learning has enabled UG students to work with ME students. The leaning has enables them to participate in several competitions at University and state level. PBL shows improvement in understanding and confidence about core concepts among students. It also helps in achieving skills required for the professional practice.

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

http://www.pccoepune.com

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

Four pillar philosophy PCCoE is imparting Value Added Quality Education to satisfy the needs and expectations of the students and all its stakeholders. Focused efforts are made to achieve this by providing state-of-the-art Engineering and Management education to students. In line with institutes vision, our entire working is based on an indigenously designed Institute Development Philosophy, which reflects priorities as Academic Excellence, Innovation and Research, Professional Competence and Social Commitment commonly termed as four pillars of PCCoE. IQAC is constantly measures and monitors the performance of these four pillars and performance indices. As a result of this, following achievements are observed and recorded. Academic Excellence: PCCOE believes in the fact that Educational Institutes including Engineering and management Institute too are recognized by students, parents and society not on the basis of its buildings, beautiful infrastructure, Modern high class environment but those are mainly recognized for its academic ambiance , academic discipline content delivery to address the fundamental principles, laws of science and technology applications to offer solutions to the real life problems of its major stake holders including Industry, Research organizations and others. With this strong and firm belief, PCCOE have always considered ‘ACADEMIC EXCELLENCE’ as the first and foremost pillar of Institutional growth. It is the proud privilege of PCCOE family i.e. our Management Trust, Faculty, staff and even all our students that we are recognized for the excellent academic environment strengthened by its clearly defined Teaching Learning Process well executed through P-D-C-A Cycle i.e. Plan-Do-Check-Act based approach. To build such reputation as on Institute needs continuous and consistent efforts of all associated with PCCOE. It has been indeed a good journey so far with focused approach to render best possible academic inputs to our students to equip them with necessary knowledge, skills and hands on experience through curricular, co-curricular practices and associated activities and opportunities. Co-curricular and Extension Activities: PCCoE believes in holistic education that addresses intellectual, physical, emotional, spiritual, and social needs and capacities of students that help them become their best self in the service of society at large. We provide add-on trainings and opportunities that support students in achieving their overall development. Considering various career options (Entrepreneurship, Higher Study

and Placement) available to the students and different inputs required to be given to them along with academic program a “Students Development Plan” has been developed at PCCoE. This strategic Plan includes developmental and sequential trainings/activities to support progressive development of students. Various personal and professional skill development programs viz. Communication and Soft Skill programs, Aptitude Training, Technical Skill enhancement programs, Foreign Language Certification Courses, Personal and Spiritual Development Programs, Entrepreneurship Development Activities, and Preparation courses for competitive Examinations (GATE/GRE/CAT/MPSC/UPSC etc.) are made available on campus through various professional agencies. One of the important pillars of PCCoE philosophy is the Social commitment. In order to provide environment to the students for their development in this domain, institute undertakes various extension activities. Through the activities it is ensured that students are exposed to the societal needs and their social responsibilities. National Social Service (NSS) and Institutional Social Responsibility (ISR) activities play vital role in involving the students in community work. Research and Innovation: The quest for knowledge is the basic principle behind research. PCCoE imparts quality and socially relevant education and knowledge in engineering at undergraduate, postgraduate and doctorate levels. PCCoE foster a culture of Research Innovation amongst its students and faculty contributing to society and industry. Our Research Innovation (RI) processes derive its strength from the projects, publications, patents, copyrights, sponsorships etc. The state-of-the-art facilities at PCCoE facilitate students and faculty to conduct their research activities. The research culture is assimilated among students and faculty through well defined RI structure through Dean RI , RI faculty and students coordinators of departments , SIG (Special Interest Groups) in-charges and SIG members. Project based learning is practiced from first year in the form of gadget level projects and further advanced to mini projects and major projects. Various activities like competitions, technical events, training, workshops, seminars, are organized under the umbrella of RI through all department. We motivate the students and support them to participate in various National events happening around nation. Outcome of all these efforts are faculty and students applying for various IP such as Patents, Copyright, Research publications in reputed Journals of Elsevier, Springer, IEEE, Thomson Routers, IEI etc. Students are guided and motivated to participate in reputed events such as Society of Automotive Engineers (SAE) BAJA, SUPRA, TIFAN, Electric Solar Vehicle Championship, ROBOCON, Smart India HACKATHON, Dassault Systeme’s event Aakruti, KPIT Sparkle, Mitsubishi Electric Cup, SPPU Avishkar. Through these various competitions students develop Innovative Ideas and try to convert them into Products. Some of them try Entrepreneurship options and register Startups. Our efforts are towards making them ready to face the challenges of Enterprises. Faculty apply for funding for their research to AICTE, DST, DSIR, SPPU, ISRO,DS Foundation, ISHRAE, IEI etc. and a few of them received funding. Team RI of PCCOE is working to implement a Inter-disciplinary teams of researchers, conduct meaningful experimentation, in order to develop a better understanding of how to effectively stimulate and support the research to solve the real life problem and benefit the society. Placements: Career guidance is provided by the training and placement coordinators and training placement officer (TPO) with support from “Communication and Personality Development Cell (CPDC) and Higher Studies Cell (HSC). Training Placement cell at the institute trains the students for placement and helps them to develop an all-round personality by conducting a variety of sessions on aptitude training, soft skills and also special training courses organized by reputed companies like KPIT, Infosys, and TCS etc. As a result of these efforts many students got good placements in reputed companies such as LT Infotech, KPIT, Persistent, TCS, Bombardier, Syntel, TIAA, Bitwise, Barklays, Value Labs, Quantiphi etc.

Provide the weblink of the institution
http://www.pccoepune.com

8.Future Plans of Actions for Next Academic Year

1. With continuous improvement over last five years PCET Trust has decided to go for Autonomy from the academic year 2020-21. 2. Networking plan outlining the teaching Research Collaborations and partnerships: We have planned to have long term association with many reputed Industries for the following purposes : (a) Student Projects (b) Internships and Placements (c) Faculty training (d) Joint research (e) Expert Lectures by industry (f) Industry visits 3. Innovation Centre, Incubation Centre: Existing Innovation centre caters to the need of innovation and incubation which is planned to be expanded further with state-of-the-art facilities to strengthen research in various identified thrust areas which can in turn produce products / projects / results / solutions to the industrial/societal/research problems of National / International interests. Also, a new facility as Incubation Centre will be created considering the need of nurturing young incubators. 4. Examination and Evaluation Centre: Establishment of Examination and Evaluation Centre with adequate space and facilities is a major requirement while migrating from university affiliated to autonomous status. Examination department with Strong room, Record room, Assessment hall, Computer room, Control Room and CoE Office with required furnishing and facilities like computers/printers, stacking/storage etc. is required to be established. 5. Computing facility upgrade plan with VMWare To have the technological edge and to meet the increasing user computing demands, the institute has already joined hands with Vmware (Global leaders in providing Virtual Desktop Environment) and bringing the Horizon7 enterprise model for the campus where the flexibility will be offered to the user community to increase the computing power as and when required.