



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	PUNE DISTRICT EDUCATION ASSOCIATION'S COLLEGE OF ENGINEERING, MANJARI (BK), PUNE
Name of the head of the Institution	Ritesh Vamanrao Patil
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08888776206
Mobile no.	9850660498
Registered Email	coem@pdeapune.org
Alternate Email	rvpatil3475@yahoo.com
Address	Pune District Education Associations College Of Engineering, Manjari(bk), Near VSI, Hadapsar-Wagholi Road, Manjari(bk), Pune 412307
City/Town	Pune
State/UT	Maharashtra

IQAC		
Introduction to Programming using JavaScript	15-Apr-2020 1	12
Soft Skill Development	12-Jul-2019 1	67
Training on Aptitude, Coding, and Programming	22-Jul-2019 1	38
Yearly Training Activities Placement Preparation	26-Jul-2019 1	17
Seminar on Career in IT	29-Aug-2019 1	27
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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
Entrepreneurship Development Institute of India	DST NIMAT 2019	Dept of Science & Technology (DST), New Delhi	2019 9	60000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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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

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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)

A For Promotion of Sports Spirit among the students: 3 days Annual Sports Day was organized with participation of 272 students in 10 sports. For the aim To focus on developing PDEA COEM as favorable destination of industries for recruitment

training of competent manpower, following events were organised: B. Yearly Training Activities for Placement Preparation Training on Aptitude, Coding, and Programming. C. Seminar on Career in IT D. Soft Skill Development Program E. Entrepreneurship Awareness Camps were organized under the grants from Entrepreneurship Development Institute of India, Gandhinagar. F. Students were given the opportunity to organize 10 days Ganesh Utsav for them to learn Event Management, Working in Team, Cultural, Social and other such skills. G. Arrangement of ROBOTICS Exposure Training Camps, Demo sessions, workshops, seminar for exploring the scientific minds in Rural Areas of Pune district. LINK : (<http://www.pdeacoem.org/downloadpublicdocument?hdid251>) LINK to EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT: <http://www.pdeacoem.org/downloadpublicdocument?hdid295>

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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
To enhance the activities of the administration section through catering various needs of the staff	Increase in automation for office administrative activities and focus on paperless administration.
To promote and develop the sports spirit among the students	To increase the students participation in sports at college level during sport's week and also in PDEA and University level by proving financial assistance to eligible & deserving students.
To enrich UG other educational Programmes	100 percent course coverage to be achieved in all BE MBA cources. Target to achieve 100 percent students feedback on TeachingLearning Attivities.
To promote advancement of knowledge & technology	Target is set and faculties are given the task to prepare proposals to get sponsored projetcts. To make contributions in Book Publication, Conference Proceeding etc.
To provide testing & consultancy	Proposlas ro be prepared for establishing the industry linkages for consultancy assignments
To evolve sustainable partnership with industry and profession	MoUs with industries for technical knowledge sharing, internship opportunities for students, placement assistance
To enhance faculty/staff skills & knowledge	Faculties will be motivated for qualification improvements Organization of FDPs / Seminars / Conferences Faculty & students participation in events across University/State/Nation
To focus on developing PDEACOEM as favourable destination of industries	To improve the Training activities on Aptitude Test,, Soft skills and other

for recruitment & training of competent manpower	activities for placement improvements. Also increase Interhsips for linkages for placements with industries.
To continuously upgrade the learning environment	Focus should be made on development of e-contents as much as possible and to rprovide the studnets with more relevent e journals and other material.
To impart value based education	NSS activities are to be increased for inculcation of social & ethical values in the students and faculties.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
College Development Committee	14-Nov-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	11-Feb-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	Yes, the MIS implementation is as follows: A) The College has its own Management Information System, Following modules of it are implemented and operational 1) Students Admission Process 2) Administrative Process 3) Students Utilities 4) Results System 5) Brochure Sale etc. Rest of the MIS is in implementation stage in PDEA Head Office, once that is Over, The hired firm will start the implementation in Schools Colleges run by the Association. B) The entire Accounting Process of the PDEA runs on Tally Web version. The Head Office as well as all branches are maintaining the ledgers, vouchers, vendor accounts, bank accounts and other accounts entities are maintained on Tally Web version.
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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

Proper implementation of the curriculum is accomplished with effective methodology and methods as follows- The affiliating University, Savitribai Phule Pune University prescribes the syllabus and the same is adopted by the affiliated colleges. The syllabus content delivery is through methodology devised by the college itself. The contemporary technical education is to empower the students with knowledge and make them competitive for challenging environment. All the Teaching staff prepare the following documents strictly for the assigned subjects as per the approved load distribution. Principal verify all the mentioned documents of the respective staff at any time randomly and ask for the presentation on any topic of theory and practical subjects. The documents to be prepared every semester are enlisted below- 1) Attendance File for all the theory, practical and tutorial subjects. It should include College calendar, Subject structure, subject syllabus, individual time-table, teaching plan, attendance sheet, question papers etc. 2) Subject/Course File including the subject structure, subject syllabus, index, the handwritten notes of all the units, references etc. 3) Laboratory Manual of the respective practical subjects including the details of all practical's as per the university syllabus. 4) Power Point Presentations -All the unit for all the subjects. 5) ELearning material (NPTEL Lectures CD, IIT Lectures etc.)- For the respective subjects. The academic calendar is displayed on the website and circulated among all stake holders well in advance but due to COVID-19 outbreak from March 2020, the Teaching Learning process has been revised to online mode . The teaching-learning process is keenly monitored by the concerned committee. Every faculty member is assigned a group of 20 students under Teacher-Guardian Scheme. The weekly meeting with students helps teachers to take cognizance of their difficulties and provide all possible help to rectify it. Parents are regularly communicated about student's performance in internal and university examinations. Teacher-Guardian also keeps track of the average attendance of the students. Weekly HoD meetings with Principal allows to discuss departmental academic issues regularly. The above mentioned teaching-learning process helps students to study the curriculum effectively along with additional inputs relevant to technological advancement in view of the industry and the technical skill Students are encouraged to showcase their innovative ideas associated with the course undertaken.

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
Introduction to Programming using JavaScript	Nil	15/04/2020	1	Employability	Programming

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
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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
BE	Engineering	15/06/2019

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

	Certificate	Diploma Course
Number of Students	33	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Biomedical Instrumentation Workshop	11/02/2020	12
Team Activity - Best Out of Waste	09/01/2020	31
1 -Day seminar Cross Platform Mobile App Dev and data science and IOT with Raspberry Pi3 using Python by M/s Knowledge Solutions India Pune	30/01/2020	114
1 -Day seminar on Robotics with Raspberry Pi3 using Python by M/s Knowledge Solutions India Pune	30/01/2020	17
Scholarship Opportunities for MS by Times Pro Pathway Global Education	04/02/2020	30
Mentoring Relationship and Networks by Mentor Together Organization	27/02/2020	15
1 day workshop on Photoediting using Photoshop by Omkar Bhalerao	11/10/2019	30
1 day seminar on Machine Learning by Dr Suvarna Pawar	09/10/2019	28
1 day workshop on Fundamentals of Cloud by Prism Infosystem	30/09/2019	58
1 day seminar on Opportunities in foreign universities by Trivedi	02/08/2019	54

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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
MBA	Master of Business Administration	42

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The institute have designed structured feedback questionnaire for all the stake holders obtains the feedback on regular interval. IQAC analyses the feedback on the parameters enlisted below for each stakeholder. Students Feedback: 1)Teachers preparedness in class 2)Effective teaching presentation 3)Concepts principals understandable 4)Course coverage satisfaction 5)Assignments relevance 6)Teachers punctuality 7)Learning environment in class 8)Helpful guidance 9) Exam point preparation while teaching 10)Supportive for inquisitiveness. Teachers Feedback: 1) Utility in increasing competencies 2) Learner centric approach in design 3) Updation of domain knowledge 4) Logical sequence of units 5) Elements of interest in contents 6) Application in real life situations 7) Appropriate assessment strategies 8) Coherence between course objective curriculum 9) Coordination of syllabus allotted lectures 10) Availability of Text reference books. Employers Feedback : 1) Technical Knowledge 2) Knowledge of Modern engineering tools 3) Communication skill 4) Professional ethics responsibility 5) Ability to work in team 6) Leadership quality 7) Independent lifelong learning ability 8) Work sincerity. Alumni Feedback: 1)Additional/supplementary training after joining the organization 2)Higher education after graduation? 3) To meet present job requirement please specify tools/technologies used, different than you have learn during your engineering program. 4) To what extent the curriculum of Pune University meets requirement of industry and higher studies. 5) To what extent the hardware, software skills developed during the course 6) To what extent your analytical and logical skills are developed during projects 7) Whether efforts are taken to improve soft skills during the course? 8) The knowledge obtained from the engineering program is helpful in succeeding relevant competitive examinations 9) For betterment of department can you help us ? 10) Which are the most desirable attribute that a graduate engineer should have? 11) What bridging courses/modules/certifications you would like to suggest that will meet needs of Industry in general? 12) Which Courses (Subjects) in the present curriculum have become redundant or obsolete according to you? 13) What needs to be done for overall development of personality of engineering graduates? Parents Feedback: 1) Infrastructure available 2) Teaching Learning process 3) Education

quality 4) Professional technical skills 5) Cocurricular/ Extra Curricular activities participation encouragement 6) Industry exposure 7) Security policy 8) Institutes contribution in Students performance 9) Vision/Mission Program Educational Objectives attainment 10) Audit courses Its observed from the earlier feedbacks received that, alumni are quite satisfied with the infrastructure facilities. The suggestions from stakeholders mainly focuses on to keep pace with the everchanging technology. IQAC planned an initiative for addon/bridge courses. Alumni interaction at department level across different events such as expert lectures, discussing industry job scenario with current batches, organizing mock interview etc are the benefits. Parents feedback analysis suggests to improve onto Industry exposure aspect. IQAC decided to address the issue by signing more MoU's with the adjoining industries and cater to the need of students. Some programs about Universal human values to be imbibed in the students are initiated under student development cell. Link: <http://www.pdeacoem.org/downloadhd?hdid240>
<http://www.pdeacoem.org/downloadhd?hdid241>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Computer	60	53	42
BE	Information Technology	30	34	19
BE	Mechanical	60	27	6
BE	Electronics & Telecommunication	60	16	3
BE	Instrumentation & Control	30	13	2
MBA	MBA	60	60	50

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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
2019	519	94	45	6	0

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

51	51	10	2	1	6
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)

Teacher Guardian Scheme is the scheme in which we have assigned every student to a staff that will guide and try to help him/her throughout the year. In Teacher Guardian Scheme we make group of at most 20 students and assign them a Teacher as a Guardian for a year. There are weekly meetings among the Teacher Guardian and Student. This meeting is conducted with respective staff to discuss student's problems as well as facility issues in college. And these issues get discussed with HOD of each branch by the all the staff of that Department. Afterward HOD discusses the problem or ideas of their department with the Principal. University result analysis and regular interaction between teacher and student like TGS meeting helps to get the information about students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker students. Teacher interacts regularly with the students assigned to them and find out the academic performance of student and probable reasons for the same. Teacher co-relates the result with the categories of the student like disadvantaged sections of society, physically challenged, slow learners and economically weaker students. The Institute regularly communicates the marks obtained in the examination, as well as their attendance to the parents by TGS Letters. Every Teacher Guardian communicates with parent of student on regular basis to give and have information of that student. Teacher Guardian Scheme also conduct parents meet to have healthy communication between staff, parents and student department wise. The teacher guardian prepares the TGS Form of every student which contains all the information of student like Full Name, Permanent and Local Address, Fees Paid, his/her performance in examination in each semester. Effective implementation of TGS scheme causes special attention to each student and those who are at risk of failure and drop out are identified during teaching and learning period. This scheme is used to enhance the technical and soft skills of the students to improve their employability.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
613	51	1:12

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
54	51	4	3	2

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. R.V. Patil	Principal	Member, Board of Studies (Computer Engineering)
2019	Prof. N.R. Jain	Associate Professor	NPTEL Certificate (Elite), IIT, Kharagpur
2019	Prof.M.S.Kedari	Assistant Professor	NPTEL Certificate (Elite), IIT, Kharagpur
2019	Prof.A.A.Bamanikar	Assistant Professor	NPTEL Certificate (Elite), IIT, Kharagpur

2019	Prof.P.L.Suryawan shi	Assistant Professor	NPTEL Certificate (Elite),IIT, Kharagpur
2019	Prof.SushamaKamble	Assistant Professor	NPTEL Certificate ,IIT, Kanpur
2019	Prof.Pawar R.Y.	Assistant Professor	NPTEL Certificate (Elite),IIT, Kharagpur
2019	Prof.Pawar P.P.	Assistant Professor	NPTEL Certificate ,IIT, Kharagpur
2019	Prof.A.B.Gadewar	Assistant Professor	NPTEL Certificate ,IIT, Madra
2019	Dr.M.C.Hingane	Assistant Professor	NPTEL Certificate ,IIT, Madras
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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
MBA	MB6206	IV	05/06/2020	12/11/2020
MBA	MB6206	III	01/01/2020	20/02/2020
BE	EN6206	VIII	05/06/2020	12/11/2020
BE	EN6206	VII	16/10/2019	28/01/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

A) The Institute is accountable to the stakeholders - students, faculty, parents and alumni. The evaluation processes are brought to the notice of the students and faculty through the followings: • The evaluation parameters and methodology is finalized in the faculty meeting. Suggestions from the faculty are incorporated in finalizing the policies. • The suggestions of alumina taken in alumni meeting are also considered while deciding the strategies. The policies are revised in every semester in general meeting. • The Institute makes aware to the admitted students and parent about the evaluation process through the Induction Program conducted at start of college at the Institute level. • The Institute notifies the students regarding schedule and structure of internal and SPPUs evaluation system through the college notice board. • At the commencement of the term students are notified about the criteria for evaluation of term work. • The term work marks are given on different parameters like ... (i) Attendance of student (ii) Internal examination performance (iii) Continuous assessment and (iv) Mock practical oral examination. • Students performance is assessed by weekly assessment / submission for practices and In-sem Mock, Prelim/End-sem examination for Theory subjects. • All this information is given to the parents through parent-teacher meeting. The letters are sent to the parents after each university examination and the marks and attendance is conveyed to the parents. • The suggestions of alumina taken in alumni meeting are also considered while deciding the strategies. The policies are revised in every semester in general meeting. B)

The institution implements all the evaluation reforms as prescribed by the SPPU. In addition, the Institute has introduced measures on its own. Following are the major evaluation reforms introduced By the University. • Appointment of CEO- As per SPPU directives, the Institute has appointed a senior and experienced faculty member as College Examination Officer (CEO). The Examination Committee is a structured with the Principal as the Chairman assisted by CEO who is the member Secretary and senior faculty members from each department. • In-sem Examination- SPPU has introduced concept of in-sem examination for Third year Engineering (TE) and Final year of Engineering (BE). The Institute has smoothly adopted all the rules, and procedures laid down by University. • Appointment of Internal Examiners- the Institute appoints internal examiners for the practical/oral examinations as per the guidelines of the University. The reforms initiated by the Institute are - • The institute conducts the following internal examination as part of evaluation of student continuously. • For FE and SE two online examinations as per the university norms are taken. The results are displayed on the same day on the notice board and also conveyed to the parents. • For TE and BE internal in semester examination of 30 mark is conducted as per the format of university. Student's performance is assessed continuously in practical slots for regular completion and Understanding. The mid semester submission is part of the academic calendar where the submission of assignments is assessed at mid of every semester. Students are also assessed by different competitions and events organized.

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

The Institute notifies students as well as faculty about the various academic related things like schedule of different examinations, holidays, Mock Exam schedule, Parents meet, Alumni meet etc through the academic calendar. • Academic calendar is prepared for every semester it is published before the commencement of the semester for First year engineering as well as for Higher classes. • Starting with the commencement date academic calendar includes the dates for the display of monthly attendance for all classes. • Schedule for the mock online examinations for SE students is given followed by the schedule of SPPU Online exam. • Schedule for the mock In-Sem examination is given for TE BE students followed by the schedule of SPPU Insem Exam • Schedule for Seminar report and project report is also displayed/mentioned. • Completion date for Theory and practical syllabus of all concerned subjects, final year projects and third year seminars is given • According to the monthly attendance provisional as well as final detention lists are prepared by the class teachers and displayed on the notice board as per the date given in Academic Calendar • Schedule for mock Practical and oral examination is given followed by the SPPU Practical and oral examination • SPPU theory examination dates are also given in the academic calendar. Links to academic calendars:
<http://pdeacoem.org/downloadacademiccalender?acid22>
<http://pdeacoem.org/downloadacademiccalender?acid23>

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.pdeacoem.org/downloadpublicdocument?hdid=233>

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

620661210	BE	Mechanical	47	47	100
620624510	BE	Computer	52	52	100
620624610	BE	Information Technology	15	15	100
620646610	BE	Instrument ation & Control	10	10	100
620637210	BE	Electronics	3	3	100
620610110	MBA	MBA	41	41	100
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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.pdeacoem.org/downloadpublicdocument?hdid=254>

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
One day Workshop on R programming	IT Department	09/11/2019
One week FDP on Cyber Security	Computer and IT Engineering	09/12/2019
FUEL Aptitude Training	ALL Department	17/01/2020
Mobile App. Development	IT Department	23/01/2020
S.E Computer Engg. Syllabus Content Finalization	Computer Engineering	30/01/2020
One day workshop on c Programming	Computer and IT Engineering	29/02/2020
One Day workshop on OBE in HEI	IT Engineering Department	03/03/2020
Training on Aptitude, Coding and Programming	Computer and IT Engineering	12/07/2019
Aptitude Test Prepration By MATPO	ALL Department	22/07/2019

FDP on Programming Problem Solving	ALL Department	25/07/2019
Yearly Training Activities Placement Preparation	ALL Department	26/07/2019
Orientation for TCS Ninja Campus Drive	Computer, IT and Mechanical	07/04/2019
One day workshop on Linux	Computer and IT Engineering	23/08/2019
One day workshop on object oriented programming	Computer and IT Engineering	23/08/2019
Seminar on Career in IT	IT Department	29/08/2019
FDP - Data science for engineering problem solving	ALL Department	05/10/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
ROBOSOCER	Shailendra Tripathi	Keystone school of Engineering Pune	07/02/2020	TESSERACT-2020
ROBORACE	Shailendra Tripathi	MIT Art Design Tech University Pune	12/02/2020	Persona Fest 2020
ROBOSOCER	Shailendra Tripathi	Fluxus IIT Indore	07/02/2020	Fluxus IIT
ROBOSOCER	Saurabh sonawane	MIT Art Design Tech University Pune	12/02/2020	Persona Fest 2020
ROBORACE	Saurabh sonawane	IIT BOMBAY	03/03/2020	TECHFEST
ROBORACE	rushikesh thakare	JSPM Pune	04/02/2020	JSPM Pune
ROBOSOCER	rushikesh thakare	JSPM Pune	29/02/2020	JSPM Pune
ROBOSOCER	Mansi Sawant	Keystone school of Engineering Pune	07/02/2020	TESSERACT-2020
ROBOSOCER	Mansi Sawant	Sardar Patel College of ENGI Mumbai	31/01/2020	SPECTRA 2020

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nil

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
1	13	1

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

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

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical	5	2.4
International	Computer	18	7.4
International	Instrumentation	3	2.3
International	Information Technology	6	7.2

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Mechanical	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
Experimental analysis of karanja biodeisel blends to study its effects on engine performance , noise and vibration parameters	Prof. S. A. Patil	IJRAR	2019	1	YES	1
Brain MR Imaging Tumor Detection using	Prof.D.O .Patil	Arabian Journal forscience and Engineering	2019	1	YES	1

Monogenic signal Aanalysis Based Invariant Rexture De scriptors						
Analysis and classi fication of cardiac arrhythmia based on general sparsed neural network	Prof.S.T .Sanamdika r	Springer Nature Applied Science	2020	2	YES	2
Paper bag making machine using newspaper as a raw material	Prof. N. A. Kumbhar	IRJET	2019	Nil	YES	Nil
A stereo lithograph y system for 3D low cost components	Prof. B. K. Surytal	IIETA	2020	1	YES	1
parametric optimizati on of biodiesel fueled engine noise using Taguchi method.	Prof. S. A. Patil	Engineer in, Technology and applied science research	2020	1	YES	1
Biodeisel production optimizati on using h eterogenou s catalyst (Al2O3) in karanja oil by Taguchi method	Prof. S. A. Patil	IJRTE	2019	0.14	YES	1

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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
A stereo lithography system for 3D low cost components	Prof. B. K. Surytal	IIETA	2020	20	1	YES
Face tracker A Multi Camera Oriented Surveillance Approach	Prof.R.M .Kawle	JETIR	2019	1	1	Yes
Analysis and classification of cardiac arrhythmia based on general sparsed neural network	Prof.S.T .Sanamdika r	Springer Nature Applied Science	2020	2	2	Yes
Brain MR Imaging Tumor Detection using Monogenic signal Aanalysis Based Invariant Rexture Descriptors	Prof.D.O .Patil	Arabian Journal forscience and Engineering	2019	37	1	Yes
optimiza tion of biodiesel synthesis using hete rogenous catalyst (SiO2) from karanja oil by using Taguchi method.	Prof. S. A. Patil	Internat ional journal of Engineerin g and advanced Technology	2019	1	1	Yes

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	49	14	0
Presented papers	31	0	0	0
Resource persons	0	0	0	2

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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
NSS Special Camp 2020	Grampanchayat Phulgaon	16	50
Health Checkup Camp	Unicare Health, Pune	58	26
Blood Donation Camp	Gholap Blood Bank, Pune	3	28
Yoga Day	Prajapati bramhakumari , Manjari Bk.,Pune	42	45
Patravali Distribution in Wari	Savitribai Phule Pune University	5	63
Sinhgad Cleanning	Savitribai Phule Pune University	6	35
Plant Sampling Distribution	Savitribai Phule Pune University	6	83
Blood Donation Camp	Poona Blood Bank, Pune	4	32
River Cleaning	Savitribai Phule Pune University	15	68

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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
NSS	YEARLY AWARD FOR NSS	SPPU PUNE	85
NPTEL Online Certification	Certificate(CLOUD COMPUTING)	IIT Kharagpur	55
NPTEL Online Certification	Certificate(Fluid Mechanics)	IIT Kharagpur	45

NPTEL Online Certification	Certificate (C Programming and Assembly language)	IIT Madras	50
NPTEL Online Certification	Certificate (Python for data Science)	IIT Kharagpur	34
NPTEL Online Certification	Certificate(Digital Circuits)	IIT Kanpur	18
NPTEL Online Certification	Certificate(Discr eate Mathematics)	IIT Kharagpur	35
NPTEL Online Certification	Cerifiacte (Corrosion - Part3)	IIT Kanpur	76
NPTEL Online Certification	Certificate(Intro duction of Reseach)	IIT Madras	45
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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 activities	Number of students participated in such activities
Marathi Bhasha Divas	COEM Pune	Marathi Bhasha Divas	15	38
Blood Donation Camp	Gholap Blood Bank, Pune	Blood Donation Camp	3	28
NSS Special Camp 2020	Grampanchyat Phulgaon	NSS Special Camp 2020	16	50
Sanvidhan Divas	COEM Pune	Sanvidhan Divas	21	32
National Unity Day	COEM Pune	National Unity Day	32	61
NSS Foundation Day	COEM Pune	NSS Foundation Day	12	100
Health Checkup Camp	Unicare Health, Pune	Health Checkup Camp	58	26
Blood Donation Camp	Poona Blood Bank, Pune	Blood Donation Camp	4	32
Yoga Day	Prajapati bramhakumari , Manjari Bk., Pune	Yoga Day	42	45
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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
Training at Vasandada Sugar	Jyothi M Kakde	COEM	45

Institute			
Industrial Visit	Eighteen Instrumentation student	COEM	1
Guest Lecture	Thirty four Instrumentation student	COEM	1
Training at IPAC Automation	Nikhitha Solanki	COEM	30
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship done by MBA student Gaurav Bhosale	Internship	Ace Kudale cars Pvt Ltd, Pune	01/06/2019	15/07/2019	Gaurav Bhosale
Internship done by MBA student Yogita Pawale	Internship	Digitize Brand (HUB) Pvt. Ltd, Pune	01/06/2019	15/07/2019	Yogita Pawale
Training done by student Vaibhav Bhoyar	Internship	Kokan Credit Services Ltd. Mahad	01/06/2019	15/07/2019	Vaibhav Bhoyar
Internship done by MBA student Priti Kachale	Internship	Find Best Corporation, Pune	01/06/2019	15/07/2019	Priti Kachale
Project done by student Sairaj Hingane	Internship	Axis Bank India, Pune	01/06/2019	15/07/2019	airaj Hingane
Internship done by student Shital Sabale	Internship	Aegasun Energy, Pune	01/06/2019	15/07/2019	Shital Sabale
Internship done by student	Internship	Vasant Dada Sugar Institute, Pun	01/06/2019	15/07/2019	Jyoti kakade

Jyoti kakade		e			
training done by student Swapnil Daundkar	Internship	Writgon Group Pvt.Ltd Pune	01/06/2019	15/07/2019	Swapnil Daundkar
Internship done by student Amit Pawar	Internship	IFB Industries Ltd. Pune	01/06/2019	15/07/2019	Amit Pawar
Project done by student Gaurav Ingale	Internship	Shivam Group Of Industries, Pune	01/06/2019	15/07/2019	Gaurav Ingale
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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
Sankalp Enterprises PUNE	06/08/2019	Preparation of GD, Presentation Personal Interview	25
L D Infotech Pvt. Ltd	16/10/2019	Preparation of GD, Presentation Personal Interview	45
Knowledge Solution India	15/10/2019	Preparation of GD, Presentation Personal Interview	35
IBS	01/01/2019	Preparation of GD, Presentation Personal Interview	42
CAD CAM Garu Solutions Pvt Ltd Pune	17/10/2019	FDP - Innovative Teaching Methods	45
IPAC Automationn	15/07/2019	Training on latest technology, placement, expert lecture	45
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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
5	1.22

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added

Others	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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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 partially)	Version	Year of automation
PDEA ERP	Partially	1	2021

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	23794	932917	16	31138	23810	964055
Reference Books	5376	326306	0	0	5376	326306
Journals	763	2402247	0	0	763	2402247
e-Journals	5	1812506	1	16500	6	1829006
CD & Video	648	0	6	0	654	0
Weeding (hard & soft)	495	0	0	0	495	0
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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
Ashvini Bamanikar	Lab Practices-IV	Moodle	03/02/2020
Bharat Kankate	EL-IV	Moodle	21/02/2020
Dr. Madhuri Hingane	EL-IV	Moodle	09/01/2020
Nayana Sonawane	Data Analytics	Moodle	16/08/2019
Poonam Suryawanshi (Bhamare)	DBMS Course-2015	Moodle	14/01/2020

Shivanand Phulari	Shivanand Phulari	Moodle	12/12/2020
Sachin Shinde	ADSL	Moodle	02/03/2020
Swati Gade	AIR	Moodle	12/03/2020
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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	384	18	18	5	1	9	375	32	0
Added	25	1	0	1	0	0	0	0	0
Total	409	19	18	6	1	9	375	32	0

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

50 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
Wordpress	https://rathodrb.wordpress.com

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
5	1.52	5	1.33

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)

<p>The institute has appointed a team of maintenance staff of the college which is duly supervised by the maintenance supervisor. The maintenance staff carries out day to day cleanliness of corridors, washrooms, classrooms, laboratories and overall maintenance of the college premises. The maintenance of water coolers is carried out by an annual maintenance contract. The institute has formed Electrical Maintenance Committee for repair and maintenance of electrical works. Laboratory equipment are serviced and repaired by the technical assistants of their respective departments for minor repairs or by the concerned manufacturers for major repairs. The maintenance of computing facility is carried out by the system administrator and the technical assistants of the respective departments. For the repair and maintenance of civil works, a requisition slip is submitted by the Head of the Department through the Principal to the Campus Maintenance Supervisor. Periodic checks, reviews and observations by the higher authorities help in proper maintenance of the campus.</p> <p style="text-align: center;">https://s3.us-east-2.amazonaws.com/pdeacoemnew/lqcDoc/Support+%26+Maintenance+Mechanism.pdf</p>

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	Earn and Learn Scheme	52	87570
Financial Support from Other Sources			
a) National	1)Social welfare scholarships 2)DTE scholarships	459	21926651
b)International	--	0	0

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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
Workshop on Entrepreneurship	10/02/2020	74	Mech Dept
Workshop on Biomedical Instrumentation	11/02/2020	22	INS Dept
Soft skill Development	04/01/2019	65	IBS - ICFAI
Orientation for TCS Ninja	07/04/2019	64	TCS
Training on Aptitude, Coding, and Programming	12/07/2019	60	TPO
Aptitude Test Preparation By MATPO	22/07/2019	38	MATPO
Yearly Training Activities Placement Preparation	26/07/2019	17	TPO
Seminar on Career in IT	29/08/2019	27	TPO
FUEL Aptitude Training	17/01/2020	220	FUEL

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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	Number of benefited students by career	Number of students who have passedin the comp. exam	Number of studentsp placed

		examination	counseling activities		
2019	Orientation for TCS Ninja	64	35	1	1
2020	Training on Aptitude, Coding, and Programming	60	60	60	42
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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		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Sankey Solution, Zen Work Solutions, Unicorn Infosolutions	89	10	IBM , Infosys, Syntel, Hexaware Technologies, Toppr Technologies, JSW, Lokes h Machines, White Hat	39	12
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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	Department graduated from	Name of institution joined	Name of programme admitted to
2019	3	Engineering	Mech. Comp, Elect.	PDEAs COE Pune	MBA
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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	4
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants

Rangoli Competition	College	11
Singing Competition	College	7
Dancing Competition	College	17
PUBG Competition	College	21
Robosoccer competition	College	14
Chai Pe Charcha	College	12
Annual sports day (10 events)	Inter-class	272
Sports-Volley ball Competition	District Level	44
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Best actress in consolation	National	Nil	1	NIL	Pooja Lande
2019	Yoga Participation	National	1	Nil	NIL	Rohit Shelke
2019	Best Director in consolation	National	Nil	1	NIL	Anita kawale
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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)

Students Council is established every year as per SPPU guidelines. The student's council consists of SDO, senior faculty member, Physical Director, NSS program officer, Class Representatives (CRs/LRs) from all classes. All these members are selected/elected as per the guidelines given by SPPU from time to time. Student Council Structure: Sr. no Designation 1 Principal - Chairman 2 Student Development Officer - Member 3 Senior Teacher - Member 4 NSS Program Officer - Member 5 Director of Physical Education - Member 6 General Secretary (Student) - Member 7 Sports secretary (Student) - Member 8 Cultural secretary (Student) - Member 9 NSS secretary (Student) - Member 10 Technical secretary (Student) - Member 11 Treasurer (Student) - Member 12 Lady Student Representative - Member The Activities of student council:

- To see the student's problems and convey them to the concerned authority.
- Organizes various activities and events in the college such as academics, co-curricular, cultural and extra-curricular.
- Motivate the students to participate in college activities.
- Improve leadership qualities by giving opportunities to students.
- Organization of national or university level technical symposiums like FUTURIZM.
- Motivate students to participate in Technical and Co-curricular activities.
- Celebration of National days, Teacher Day and Engineers Day.
- Organization of blood donation camps, tree plantation and voter's awareness programs.
- Organization of programs through the NSS unit.

Role in Academic and Administrative Bodies: Students are also involved in academic as well as administrative bodies for decision making for the betterment of students. via departmental associations and various clubs, Anti Ragging Cell, organization of annual function, sports activities. There are some departmental bodies formed as follows. • INSA: Instrumentation Control Engineering Students Association • MESA : Mechanical Engineering Students Association • CESA: Computer Engineering Students Association • EESA : Electronics Engineering Students Association • ITSA: Information Technology Students Association • Cultural Committee, Sports Committee and Campus Film Society • NSS Committee as per SPPU • Robo club, Energy club, Auto Club. • Magazine Committee and The News Letter Committee (TCT) • Anti-ragging Committee and Anti-ragging squad • Welcome to freshers, Celebration of different days, Farewell to graduates • Funding: There is some funding from SPPU for the conduction of activities. Institute bears other expenses of the activities organized under the students' council. Sometimes sponsorships are collected for the conduction of various programs.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Legal Registration of the Association is in process. • To extend the help to the students of this college for placement and industrial training. • To act as a bridge between college and the industries for interaction on new developments in industries for different disciplines of engineering. • To assist the college students to promote R and D activities, testing and consultancy. • To encourage the students from the department by awarding prizes to meritorious students showing bright performance in the field of education, sports and culture. • To enrich the central library by donating old and new books in the field of engineering and technology. • To organize programs on personality development, interview technique and leadership development, education in health science, yoga, literature, sports etc. • Alumni Association helps to enhance core values of excellence, lifelong relationships, lifelong learning, inclusiveness and diversity, global citizenship. • Support a strong relationship between the Alumni Association and current students. • Recognize fellow alumni who are distinguished by their loyalty, professional achievement and community service. • Assist current students and alumni in career planning, placement and transitions • Encourage the students for qualifications and diverse perspectives. • Generate invaluable word of mouth publicity of college among their social and professional networks. • Alumni are great models for current students and offer practical support to students as they start their careers. • To extend every possible help to the college authorities for the overall progress of the institution.

5.4.2 – No. of enrolled Alumni:

65

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

65370

5.4.4 – Meetings/activities organized by Alumni Association :

Two Meetings of the Alumni Association were organised during 2019-2020.

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)

Following are the two practices that were practiced by the college during the Academic Year: 1) Formation of Various Portfolios:- At the beginning of the Academic Year the Principal and the Deans form various portfolios under them, which are as follows: 1) Quality Management System Committee 2) Student Representative Council Committee 3) First Year Direct Second Year Admission Committee 4) Higher Classes Admission Committee 5) Training Placement, Entrepreneurship Development Industry Institute Interaction Committee 6) Library Committee 7) Time Table Execution T. G. S. Academic Activities Committee 8) C.E.O. All Examination Term Work Committee 9) ISTE Staff Chapter Committee 10) ISTE Student Chapter Committee 11) Electrical Maintenance Committee 12) Garden Civil Maintenance , Cleaning Water Supply Committee 13) Campus Networking Internet Telephone Repair Committee 14) Off - Line Security Committee 15) Alumni Affairs Committee 16) Cultural Committee 17) Staff Students Grievances Committee 18) Staff Student Welfare Committee 19) ETH Committee 20) Anti - Ragging / Anti - Ragging Squad Committee 21) AICTE / DTE/AISHE/RUSA/NIRF/University Other Proposals 22) Research proposals Consultancy MOUs Various Grants Committee 23) NBA/NAAC/ Committee 24) FUTURIZM - Committee 25) NSS 26) Vishakha Women's Grievance Ombudsman Committee 27) Website Committee 28) College Magazine 29) Canteen Committee 30) Admission Campaign Committee 31) Hostel Committee 32) Photography , Press Publicity 33) Discipline Committee Each Portfolio Committee is headed by one In-charge and working members from each department of the College. Each Portfolio In-charge possess authority to plan and execute the activities under his/her portfolio. Whenever required he/she gets support from Principal and HODs for execution of activities and any other issues related to the portfolio after discussions in the Meetings. 2) Principal and HOD : The Heads of Department (HOD) are regularly taking care of the college academic, administrative and students support and welfare activities as per the decisions taken in meetings with Principal. For the Academic activities, department is given with the target and the HODs implement the necessary strategy to achieve the target given in the Principal-HOD Meetings.

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

Partial

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Research and Development	A separate Professor In charge (Research and Development) under the Dean R D is appointed to develop the research culture in the college. College faculties are motivated and supported to submit the Research Proposals in the University for getting the grants through Board of Deans in the Pune University. Faculty are constantly encouraged to present research Papers in International and National Journals/ Conferences. In this view, the faculty members are motivated to register for PhD.
Teaching and Learning	All the department follow the basic teaching methods by creating the required mix of Interactive,

participant and digital tools etc. for the teaching to create interest in the students and the similar techniques are used for the regular teaching - learning process. Assignments are given on theory and practical components. internal External Viva voce exams are conducted as schedules by the parent university., group discussion and other training programs are made a part of the regular process to help students in placements. Unit wise Question banks and university Old question papers are discussed after completion of each Unit, in order to help the students to have, hands on exposure on academic front. Faculties are encouraged and are given with financial assistance to regularly attend FDP's and Workshops to update their knowledge from time to time which helps in teaching learning process.

Curriculum Development

The curriculum of courses is strictly followed as prescribed by the University. The college itself arranges some Syllabus review workshops in association with the parent Savitri Bai Phule Pune University (SPPU). The faculties from all the department are asked to attend such workshops and seminar arranged by the other colleges of the university. University always considers suggestions and the modifications received from these workshops and inculcates the in revised syllabus. After every 5 years the courses are modified and in between revised syllabus are published by the SPPU. After the release of the new syllabus, University arranges various syllabus orientation programs. College also conducts syllabus review programs for some subjects and for other subjects faculties are motivated and financially supported to attend them in other colleges.

Examination and Evaluation

University gives final marks on the following basis: 1) Internal marks submitted by the college through online mark feeding system. 2) Actual Online Exam Marks are added in to the final marks. 3) Third component is the theory exam marks in the Semester end Exams. On the end of each semester Examinations are conducted and evaluated as per the norms of SPPU. SPPU arranges the Central Assessment

Programs for evaluation of the Semester End Examinations, the College always completes the target set by SPPU by sending the faculty member to Centralized Assessment Camp (CAP) centers. University also undertakes In Semester Examinations for internal evaluation of Engineering students, the question papers are set and provided by the University and their evaluation is done by the the College faculties. University also conducts the Online Examinations in every semester which is a compulsory part of the full evaluation process. This year due to pandemic situation semester end exams of FINAL YEAR students are taken on MCQ based online exams, students appearing in the exam from their own place computer. Other students were promoted on the basis of their internal marks submitted by the college.

Library, ICT and Physical Infrastructure / Instrumentation

Every year new books and journals are added in the Library as per the recommendations of faculty, students and the syllabus of the SPPU. DELNET, NPTEL subscription is also present in the library. Digital library has also been set up for the convenience of the students and staff to enable them to refer to e journals. As per the Institute's own policy library never purchases the Text Books, which are published as per the SPPU syllabus, instead College encourages the faculties and students to use the standard reference books. Onsite use to Reference books Back volumes and Journals inside the library and the students allowed using the reading room before and after the regular college hours. Physical Infrastructure: The institute has adequate infrastructures which includes, seminar Halls equipped with projector with ample seating capacity, Faculty rooms, Meeting rooms, Office, Class rooms, Boys common rooms, Girls common rooms, Laboratories, equipped with necessary hardware and software, communication Laboratory, Library, Internet and WiFi facility in the entire building. Internet facilities: The Institute has got two dedicated Internet connections, viz., Reliance and BSNL with combined capacity of 30 Mbps for Students and Staff available 24 hour free to access. WiFi facilities: The Institute is also

	<p>covered with a 24 hour WiFi network which is available for access throughout the College Building.</p>
<p>Human Resource Management</p>	<p>Priority is given for recruitment of competent faculty members to meet University's as well as College teaching objectives, helping them to realize their potential, appreciating the high performing faculty members and counseling low performing faculty members based on their Annual performance appraisal. In addition, training is arranged for teaching as well as non-teaching staff by identifying training needs, for enhancing professional competencies, teaching and soft skills. The Institute frequently arranges training Programs and also deputs the staff to other Colleges for attending such Programs for acquiring balanced skills (technical skills, teaching skills). There are Heads of Departments (HODs) to look after the Department and faculty and non teaching staff works under HOD. Classes are managed by the teachers appointed as Class Teachers. Accounts Officer is head of the office staff, Librarian is head of the library staff. The Gymkhana and Sports facilities are purchased and maintained by the regular appointed Physical Director.</p>
<p>Industry Interaction / Collaboration</p>	<p>Efforts by Training and Placement officer: The Institute has linkages with various Industry recruiters. The TPO functions under the Dean (Students Welfare) Industry Interaction visits to various companies for interaction and extending invitation for campus visits. Company executives and entrepreneurs are invited for interactions with students and faculty. College affres placements through these two ways: 1) Campus Placements - Companies visit college for recruitment of freshers. 2) Some local companies who have few vacancies contact our TPO, and the eligible students are sent to company premises for interviews. Feedback from employers and companies visiting for campus recruitment is always collected for inputs on efforts to be undertaken for improving employ-ability of the students. Efforts by Industry Institute partnership cell The Institute has formed an Industry Institute</p>

Partnership Cell (IIPC) in the year 2014 with the IIP Cell grant of Rs. 4.00 Lakhs from AICTE, NEW DELHI. It has the aim of development of better industry institute interactions. The Industry Institute Partnership Cell (IIPC) strives to enhance industry interaction with students and bridge the gap between academic and corporate world. The following activities are regularly followed to enhance IIPC activities:

- Final year students are encouraged to do Industry oriented projects.
- The Department identifies and invites industry experts to deliver content beyond syllabus and make students aware of the current industry trends.
- Students are encouraged to take internship programs and industry visits to develop the skills.

Admission of Students

Out of total 100 percent seats of all the programme intake are reserved for the students applying through the Centralized Admission Program (CAP) of DTE, Maharashtra state. Out of this 80 percent intake the 50 percent seats are reserved for backward classes as per the Government norms. DTE finalizes the admission and allocates seats to students as per their preference. The College has established two separate committee viz., Admission Campaign Committee and the Admission Committee. The first committee works for the fulfillment of all the intake capacity of the College and the second one works for providing a smooth admission process to all the students either allotted by the State CET Cell or they apply for Management Seats. In each program 20 seats are reserved for the Management quota. Applications are invited by the college from eligible students for admission in to management quota seats. As per Maharashtra DTE rules, proper merit list is prepared of these applications and students are offered seats as per their merit list position.

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

E-governance area	Details
Planning and Development	ERP Implementation is in progress.
Administration	ERP Implementation is in progress.
Finance and Accounts	Online Tally 9.0 and on ERP Platform

Student Admission and Support	On ERP Platform
Examination	For Mock Internal Exams college uses the Exam Software.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Prof. S. A. Patil	One Day State Level Workshop on NBA- An Outcome based Approach on 28th December 2019	Dhole Patil College of Engineering	1000
2019	Prof. D. O. Patil	One Day State Level Workshop on NBA- An Outcome based Approach on 28th December 2019	Dhole Patil College of Engineering	1000
2019	Prof. N. B. Bhalerao	One Day State Level Workshop on NBA- An Outcome based Approach on 28th December 2019	Dhole Patil College of Engineering	1000
2019	Prof. R.M. Sahu	One Day State Level Workshop on NBA- An Outcome based Approach on 28th December 2019	Dhole Patil College of Engineering	1000
2019	Prof. S. M. Bhadkumbhe	One Day State Level Workshop on NBA- An Outcome based Approach on 28th December 2019	Dhole Patil College of Engineering	1000
2019	Vivek Bhosale	34th Physical Education and Sports Camp	Board for Sports and Physical Education, Pune University	1500
2019	Swati M. Bankar	Digital Electronics Circuits	NPTEL	550

2019	Sushma Kamble	Principles of Signals Systems	NPTEL	550
2019	Prof. A. S. Deshpande	One Day State Level Workshop on NBA- An Outcome based Approach on 28th December 2019	Dhole Patil College of Engineering	1000
2019	Prof. N. R. Jain	One Day State Level Workshop on NBA- An Outcome based Approach on 28th December 2019	Dhole Patil College of Engineering	1000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	One day workshop on cpp	One day workshop on cpp	23/08/2019	23/08/2019	16	4
2019	One day Workshop on R Programming	One day Workshop on R Programming	01/11/2019	01/11/2019	8	2
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP - Data science for engineering problem solving	21	05/10/2019	10/10/2019	6
One day workshop on c and cpp	16	23/08/2019	23/08/2019	1
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching	Non-teaching
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Permanent	Full Time	Permanent	Full Time
41	55	54	58

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • 3 months Maternity leave for females appointed as permanent Teaching Nonteaching staff members. • Teaching Staff: 15 days medical leave and 15 days casual leave. • On Duty leaves for attending conferences / seminars / research activities and examination works assigned by the SPPU, industrial training. • 60 days vacation leave as per the period prescribed in the SPPU Academic Calendar. • Provident Fund to all the UGC approved staff 	<ul style="list-style-type: none"> • 3 months Maternity leave for female Nonteaching staff members. • 12 medical and 12 casual leaves. • 60 days vacation leave as per the period prescribed in the SPPU Academic Calendar. • Provident Fund to all the permanent NonTeaching staff members. 	<ul style="list-style-type: none"> • All Government Scholarships. • Assistance for various Private Scholarships. • Earn Learn Scheme of SPPU is well implemented by the College for the students. • Insurance from SPPU as well as PDEA. • PDEA provides Cash Awards to the Class Toppers. • Placement assistance for existing and passed out students

6.4 – Financial Management and Resource Mobilization

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

Every year as per the guidelines of the parent Trust PDEA, the college prepares the budget for coming Academic Year and is that is presented in front of Management officials in the Governing Council Meeting along with the Accounts statement of the previous years. Management approves the budgets for next year after reviewing the previous year financial statements. College undergoes the Internal Audit biannually which is conducted by the PDEAs Audit Department. The Audit department reviews the statements with reference to the approved budgets. External Audit is conducted by the an external agency appointed by the Trust for undertaking audits in each and every School/College of the PDEA. All the available funds, whether collected from fees, scholarships, sponsorships and grants need to be used with the prior permission of the Management. The Principal has the authority to spend only up to Rs 2500/ on his own decision. Otherwise the college needs to follow this process of permission.

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
Pune District Central Cooperative Bank Limited	50000	Books Equipments

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6.4.3 – Total corpus fund generated

50000

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	Ex. Team	Yes	Principal
Administrative	Yes	Ex. Team	Yes	Principal

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

Teacher Guardian Scheme is the scheme in which we have assigned every student to a staff that will guide and try to help him/her throughout the year. In Teacher Guardian Scheme we make group of at most 20 students and assign them a Teacher as a Guardian for a year. There are weekly meetings among the Teacher Guardian and Student. This meeting is conducted with respective staff to discuss student's problems as well as facility issues in college. These issues are discussed with HOD of each branch by the all the staff of that Department. Afterword HOD discusses the problem or ideas of their department with the Principal. University result analysis and regular interaction between teacher and student like TGS meeting helps to get the information about students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker students. Teacher interacts regularly with the students assigned to them and find out the academic performance of student and probable reasons for the same. Teacher co-relates the result with the categories of the student like disadvantaged sections of society, physically challenged, slow learners and economically weaker students. The Institute regularly communicates the marks obtained in the examination, as well as their attendance to the parents by TGS Letters. Every Teacher Guardian communicates with parent of student on regular basis to give and have information of that student. Teacher Guardian Scheme also conduct parents meet to have healthy communication between staff, parents and student department wise. The teacher guardian prepares the TGS Form of every student which contains all the information of student like Full Name, Permanent and Local Address, Fees Paid, his/her performance in examination in each semester. Effective implementation of TGS scheme causes special attention to each student and those who are at risk of failure and drop out students are identified during teaching and learning period. This scheme is used to enhance the technical and soft skills of the students to improve their employ-ability.

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

1. One day Workshop on R Programming 09/11/2019.
2. Mobile App. Development 23/01/2020
3. Soft Skill Development 04/01/2020

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

- 1 To enrich UG other educational Program
- 2 To promote advancement of knowledge technology
- 3 To provide testing consultancy
- 4 To evolve sustainable partnership with industry and profession
- 5 To enhance faculty/staff skills knowledge
- 6 To focus on developing PDEA COEM as favorable destination of industries for recruitment training of competent manpower
- 7 To continuously upgrade the learning environment
- 8 To impart value based education
- 9 To enhance the activities of the administration section through catering various needs of the staff
- 10 To promote and develop the sports spirit among the students
- 11 To provide comfortable stay to the students with excellent atmosphere for the students
- 12 To perform preventive /Breakdown Maintenance in the college

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
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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
2019	Blood donation camp	17/07/2019	17/07/2019	17/07/2019	60
2019	Aptitude Test Preperation By MATPO	22/07/2019	22/07/2019	22/07/2019	17
2019	Yearly Trianing Activities Placement Preperation	26/07/2019	26/07/2019	26/07/2019	17

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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
Women empowerment	14/12/2019	14/12/2019	40	10
Purushottam karandak	25/08/2019	25/08/2019	10	30
Robo soccer	03/09/2019	03/09/2019	20	25
Musical chair	04/09/2019	04/09/2019	10	11
Singing	04/09/2019	04/09/2019	11	8

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
Use of Renewable Energy: 1. Solar panels have been installed on the rooftop of our College. 2. Approximately 30 KW renewable energy is generated and after utilizing power, the remaining power is supplied to grid. 3. Nearly 35 to 40 percent power requirement is met by renewable energy sources. 4. Solar panels have been installed on the rooftop of Girls Hostel as well as Boys Hostel.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	1
Rest Rooms	Yes	1
Physical facilities	Yes	1

Scribes for examination	Yes	1
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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
2019	2	2	22/06/2019	1	Guinness World Record	Guinness World Record	40
2019	1	3	28/06/2019	1	Patravali Distribution in Palakhi-Procession (eco-friendly plates)	To create awareness about Plastic Free World	35
2019	1	3	17/07/2019	1	Blood donation	Blood donation camp	60
2019	1	2	18/07/2019	1	Health check up	hygiene awareness	65
2019	1	1	16/09/2019	1	NSS Unit Inauguration	NSS Unit Inauguration	30
2019	1	1	24/09/2019	1	NSS Foundation Day Celebration	Introduction to Various NSS Activities	30
2019	1	1	02/10/2019	1	River Cleaning Campaign	To create awareness about River Cleaning	20
2019	1	1	03/10/2019	1	Swachha Bharat Abhiyan	To create Cleaning Awareness	21
2019	1	1	01/11/2019	1	National Unity Day	To create awareness about national unity.	24

2019	2	2	21/06/2019	1	Yoga day	To create awareness about Physical Fitness	25
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Coem Code of conduct	01/01/2019	1.The staff and students should wear uniform on every day 2.All staff members should fill up the ON DUTY LEAVE form and take Head of the Department / appropriate authoritys authentication and submit the same to Principal for approval. 3.Maternity leave granted to female teacher as per the prescribed norms.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
National Unity Day	31/10/2019	31/10/2019	32
River Cleaning	27/10/2019	27/10/2019	68
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1 Public Transport : Some students Staff opt for public transport. Few of the students staff are car pooling/ sharing for their convenience. 2.Pedestrian friendly road: The Institute has pedestrian paths on both the sides of the road within the campus. The goal of these Pedestrian friendly roads is to encourage walking as an attractive means of transportation as well as for leisure, recreation and health. 3.Plantation/Greening Drives: Plantation programme has been taken up by the NSS unit for increasing the Green Cover in the village Phulgaon near Wagholi at Pune .Special awareness programmes conducted on plastic free environment in and around the village. The institute NSS unit distributes the plants to the participants. 4.Paperless : Waste paper generated is sold to vendor for recycling. Paper usage is minimized by printing on both sides of papers. Inter department correspondence is made through e-mails. In our college campus, usage of plastic bags are not allowed. College notices are circulated via Email to all staff students. 5.Energy Conservation: Awareness among the students and staff on energy conservation is created by some sort of displays at appropriate places, Switching off all the electrical utilities, the buildings are fitted with glass windows for utilization of sun light and free stream of air circulation. 6.Green landscaping with tree plants : To spread awareness of environmental conservation and to promote greenery, institute continues to present saplings to guests and experts invited to the institute. 7. Water filter: Water filters are provided at each floor in our campus 8. Water Sprinkler: As college has most of area covered by greenery, irrigation is

done by number of sprinklers.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICE NO.1 Title of the Practice: **ROBOTICS CLUB (Team Jaguar) ROBOTICS CLUB (ROBOCLUB)** is a Students Association of PDEA's College of Engineering, Manjari Bk., Pune. ROBOCLUB is a Co-curricular activity that aims to engage students with a fun and enjoyable way of learning new skills as well as to cultivate leadership and entrepreneurship capabilities. All members are active in the team Goals: • Along with participating in robotics events and competitions, our students conduct seminars, workshops and lectures for school students to make them aware of the term 'robotics'. • In collaboration with different institution they conduct lecture series for student. • To club together the knowledge from various branches of Engineering into the field of robotics. • To go deeper in the sector of robotics year by year. • To provide a platform for students to showcase their creativity and innovation Context: Robotics consists of design, construction, operation, and application of robots with computer based control systems, sensory feedback systems and information gathering and processing. The overall design of a robotic systems employs together principles of electronic engineering, mechanical engineering and computer engineering. The students of all branches participate in this club. Working in group permits the students from different domain to work together for solving problems that require skills from varied discipline. The Practice: Team Jaguar is doing lot of activities like conducting workshops , seminars for beginners , providing training to students , industrial tours to get the actual feel of automation industries , encourage for participation in national competitions like Techfest, Technovanza, Mindspark and E-Yantra etc.Robotics club organizes Inter college event like RoboRace , RoboMaze as a technical events. Evidence of Success: ? Till date, Team Jaguar has won 117 prizes in the events across the country. ? They have maintained the #1 ranking in many competitions. ? They have some unbeatable records such as, 3 times winner in IIT Bombay,3 times winner in JECRC Jaipur,6 times champions in COEP, 3 times consecutive winning in Technovanza (VJTI, Mumbai), 8 times runner up in Aquarace (Nagpur),17 times runner up in Aquarace at IIT Bombay, 12times runner up in Aquarace at MIT Pune. ? Selected for the FMB championship 2020. ? World champions in Robo soccer and Robo race. Problems Encountered and Resources Required: As the popularity of this club is increasing among the students of our college, we provide training to school students about Robotics. Training from Expert will also be beneficial for students who are really interested in these activities.

BEST PRACTICE NO.2 Title of the Practice: **Entrepreneurship Development Cell (EDC)** The institutes Entrepreneurship Development Cell (EDC)is always provide the best possible ways to create new budding entrepreneur. To prepare the students for their future journey as entrepreneurs EDC motivate the student. The EDC team regularly visits surrounding areas and villages to find new area where students are provided awareness on various social, moral, ethical principles of entrepreneur life. Goals: The following objectives were set for EDC. 1 .Create awareness on Entrepreneurship among the students through training programs and campus events 2. To identify and motivate budding entrepreneurs 3. To facilitate budding entrepreneurs by providing information on entrepreneurial opportunities 4. To create data base and networking to help entrepreneurs 5. To assist entrepreneurs in product development Context: Through rigorous planning and management, the institution focuses at delivering to the best of it's abilities the vision of the college. It has been a matter of utmost importance to provide the best education possible to students who deserve it. Through several institutional practices, we try to make this journey as easy as possible for everyone. The Practice: The students are first made aware of Entrepreneurship activity at the first year through introductory

sessions. Students are selected for Entrepreneurship unit on Interview basis. At the time of interview various qualities of students are checked. We arrange several guest lectures under this EDC. We promote Entrepreneurship development activity for our students. Evidence of Success: • Mr Kiran Sawant has started the Company, Trimurti Dairy Farm at Baramati near Pune. • Mr Abhisek Korpe has started the business KORPE PRECISION Pvt. Ltd., Pune • Mr Vikas Gawande started Packaging Company . • Mr Harshal Undre has started MANGALMURTI INDUSTRIES at Manjari, PUNE. • Mr Amit Totre has started IMPERIUM DIGITAL NETWORK . Problems Encountered and Resources Required: 1. Financial assistance we are getting is less. 2. Human resources constraints have restricted some of our budding entrepreneurs .

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

<http://www.pdeacoem.org/downloadpublicdocument?hdid=243>

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

7.3 - Institutional Distinctiveness In our institute, we have formed a group of students from all branches of engineering who are interested in the field of robotics. They conduct STTP, seminars and workshops in the different schools located in rural area of Pune district. By doing this the college students give exposure to the rural school students with latest trends, knowledge and skills. Based on the exposure to these students as they prepare the projects/working models based on the need of their local area. College has recently conducted one Project Model Completions on Robotics some of the students with best applications were awarded for their projects. PDEA provides financial assistance to such students to develop such projects in to actual applications in the field. The main aim of this activity is to find the hidden rural talents who never get such encouragement as well as the facility to show their potential useful for the village and society. Our students have imparted training on following topics/contents: 1. Robotics-Get Started 2. Drones Quads-Basics 3. Understanding CAPTCHA 4. The Future Drones Quads- Basics 5. Basic Arduino Programming 6. Introduction to robotics, sensors 7. Artificial Intelligence 8. Related Case Studies

Provide the weblink of the institution

<http://www.pdeacoem.org/downloadhd?hdid=251>

8.Future Plans of Actions for Next Academic Year

1. To imbibe the Research Culture among the Staff Students. 2. Faculties are given the task to prepare research proposals for various grants. 3. To make contributions in Book Publication, Conference Proceeding etc. 4. Proposals to be prepared for establishing the industry linkages for consultancy assignments, MoUs with industries for technical knowledge sharing, internship opportunities for students placement assistance. 5. Faculties will be motivated for qualification improvements, Organization of FDPs / Seminars / Conferences, Faculty students participation in events at University/State/National level. 6. To improve the Training activities on Aptitude Test, Soft skills and other activities for overall development of the students. 7. Focus should be made on development of e-contents as much as possible and to provide the students with more relevant e journals and other material. 8. NSS activities are to be increased for inculcation of social ethical values in the students and faculties. 9. Increase in automation for office administrative activities and focus on paperless administration. 10. To increase the students participation in sports at college level during sport's week and also in PDEA and University level by proving

financial assistance to eligible deserving students. 11. To develop Center of Excellence for Staff Students. 12. In-house facilities are to be developed for maintenance of all the equipment, furniture etc.