



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	D. Y. PATIL COLLEGE OF ENGINEERING
Name of the head of the Institution	Dr. Vijay M. Wadhai
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02027653111
Mobile no.	9921843549
Registered Email	principal@dypcoeakurdi.ac.in
Alternate Email	vmwadhai@dypcoeakurdi.ac.in
Address	Sector 29, Nigdi Pradhikaran, Akurdi, 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. Mrs. P. Malathi
Phone no/Alternate Phone no.	02027653113
Mobile no.	7020182820
Registered Email	iqac@dypcoeakurdi.ac.in
Alternate Email	viceprincipal@dypcoeakurdi.ac.in
3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://www.dypcoeakurdi.ac.in/images/Downloads/AQAR_c1.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes, whether it is uploaded in	https://www.dypcoeakurdi.ac.in/images/Downloads/Academic_Calendar_AY_2019-

the institutional website:
Weblink :

[20_Sem_II.pdf](#)

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.06	2017	26-Nov-2017	27-Nov-2022

6. Date of Establishment of IQAC

16-Feb-2017

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Student Development Program	14-Jan-2019 02	500
Academic Audit	17-Jun-2019 05	187
Poster Presentation	20-Jun-2019 01	56
Industry-Academia Research Meet 2K19	13-Jul-2019 01	142
MOODLE based feedback from students	17-Sep-2019 12	1540
One day outing for Non teaching	20-Sep-2019 01	190
AICTE FDP	04-Nov-2019 11	92

No Files Uploaded !!!

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
Institute, Civil Engineering	Major Projects	ISRO-SPPU	2019 731	375000
Institute, Electronics and Telecommunication	Major Project	All India Council for Technical Education	2017 730	1054400

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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

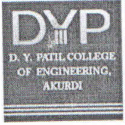
Yes

Upload the minutes of meeting and action taken report

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11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No



D Y Patil College of Engineering, Akurdi, Pune-411044

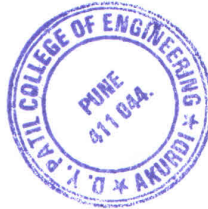
Internal Quality Assurance Cell (IQAC)

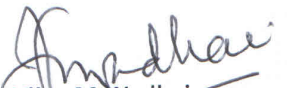
Office Order

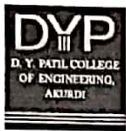
Date : 2th January 2019

Roles and responsibilities of IQAC committee members are as follows

Name of Attendee	Designation	Roles and Responsibilities
Col. S K Joshi (Retd.)	Campus Director	
Dr. Vijay M Wadhai	Principal and IQAC Chairman	To guide and monitor overall progress of IQAC activities
Dr. Mrs. P. Malathi	Vice-Principal and IQAC Coordinator	Analyze and update documentation of Criteria III
Mr. Prashant Bhalerao	Administrative Office	Analyze and update documentation of Criteria VII
Dr. Vinay A Kulkarni	Faculty	Analyze and update documentation of Criteria V
Dr. Madhuri A Potey	Faculty	Analyze and update documentation of Criteria VI
Dr. Preeti S Patil	Faculty	Analyze and update documentation of Criteria I
Dr. B B Musmade	Faculty	Analyze and update documentation of Criteria IV
Dr. Vijaykumar Jatti	Faculty	Analyze and update documentation of Criteria II
Dr. Ganesh Jadhav	Faculty	Preparation and arrangement of Meeting and recording minutes
Mrs. Shantiguru	Faculty	Documentation of all IQAC files
Mr. Avinash Nighojkar	Local Society Member	To give the inputs w.r.t professional society/ chapters
Mr. Pradnesh R Padave	Faculty	Documentation preparation of all IQAC related files
Mr. Sairaj Khade	Student Representative	To give inputs related to academics, co-curricular and extra-curricular activities for overall development of students
Ms. Sayma Shaikh	Student Representative	To give inputs related to academics, co-curricular and extra-curricular activities for overall development of girl students
Mr. Amit D Andre	Alumni Representative	To share the inputs related to overall development of Institute
Mr. Nikhil Deshmukh	Alumni Representative	To share the inputs related to overall development of Institute
Mr. Tanmay Mehta	Employer Representative	To give inputs to strengthen placement activity




Dr. Vijay M Wadhai
IQAC Chairman
PRINCIPAL
D. Y. PATIL COLLEGE OF ENGG
AKURDI, PUNE-411044



Minutes of Meetings

Date : 22nd November 2019

Dr. Vijay M Wadhai, Chairman of IQAC, welcomes all IQAC Members for the meeting in the end of academics semester. The agenda of the meeting is as follows.

❖ Previous minutes of meeting and its progress

Sr. No.	Points Discussed in Meeting	Status Before Meeting	Current Status
1.	Academic Audit of Course Files and ICT tools	Course file and Lab manuals in ICT are ready	Academic Audit Scheduled on dates (12th October to 16th October 2019)
2.	Students Research Projects	Students has completed Literature Survey and identified resources for research work.	Reputed Journals are identified and disseminated amongst students through Dean R & D.
3.	Guidance for Competitive Examinations	Formation of Competitive Examination Cell	Expert talk on Competitive Exam Awareness is scheduled on 25/7/2019
4.	Campus Placement	APART training on GD, PI and Aptitude are identified to boost students placements	Core and software companies will be invited for campus placements
5.	Academic Policy	Formation of revised Academic Policy is in Process at Campus Level.	Revised Academic Policy is to be implemented from Semester II, A.Y. 2019-20
6.	ISO	Approval from management for ISO is taken. ISO formats for placement, library is in process	ISO formats have to be prepared in coordination with NBA, ERP and Gnomio Moodle

- Academic and administrative audit of the Institute
- Campus director Col. S K Joshi (Retd) asked dean academics to prepare Action plan by respective department to achieve rank holders in university level
- Dr. Vijay M Wadhai, Principal asked all HOD to plan for visit to IIT Bombay by all faculty members.
- IQAC chairman asked IQAC coordinator to channelize all the clubs and committees of the Institute

- Awareness on "National Education Policy" is to be created amongst faculty members and Dr. V A Kulkarni was asked to Plan for two days workshop on 'National Education Policy'
- Prof. V S Vibhute, ISO Coordinator was instructed to Plan all the ISO formats with respect to NBA, ERP and gnomio Moodle
- All HOD were asked to give report about the activities of centre of excellence of their own department.
- Budget and finance
- Planning of International conference at college level

Attendance report of IQAC meeting held on 15th November 2019, at 10.00 am in Dyanprasad Sabhagrah, D Y Patil College of Engineering, Akurdi, Pune.

Name of Attendee	Department and Designation	Signature
Col. S K Joshi (Retd.)	Campus Director	
Dr. Vijay M Wadhai	Principal and IQAC Chairman	
Dr. Mrs. P. Malathi	Vice-Principal and IQAC Coordinator	
Mr. Prashant Bhalerao	Administrative Office	
Dr. Vinay A Kulkarni	Faculty	
Dr. Madhuri A Potey	Faculty	
Dr. Preeti S Patil	Faculty	
Dr. B B Musmade	Faculty	
Dr. Vijaykumar Jatti	Faculty	
Dr. Ganesh Jadhav	Faculty	
Mrs. Shantiguru	Faculty	
Mr. Avinash Nighojkar	Local Society Member	- Absent -
Mr. Pradnesh R Padave	Faculty	
Mr. Sairaj Khade	Student Representative	
Ms. Sayma Shaikh	Student Representative	
Mr. Amit D Andre	Alumni Representative	
Mr. Nikhil Deshmukh	Alumni Representative	
Mr. Tanmay Mehta	Employer Representative	

Dr. Vijay M Wadhal, Principal and Chairman of IQAC, welcomed all IQAC Members for the meeting in the beginning of academic semester II of Academic Year 2018-19.

❖ Previous minutes of meeting and its progress

Sr. No.	Points Discussed in Meeting	Status before meeting	Current Status
1.	Administrative Audit	Files for Administrative Audit are ready	External statutory Administrative audit is scheduled in the month of February
2.	Internal academic audit	Planned in the month of October 2019	Academic coordinators do the cross departmental academic audit. Letter of improvement and appreciation will be given to the low performers and high performers respectively
3.	Evaluation and Submission AQAR Report	Dr. Neeta Deshpande, NAAC coordinator presented the AQAR report in front of the Principal, Vice Principal, all Heads of department and all the members of IQAC.	As per guidelines given by the Campus Director Col. S. K. Joshi (Retd), final AQAR report was submitted to NAAC office on 14th December 2018
4.	Planning of 4 th graduation (Convocation) ceremony	Approval from management for graduation (Convocation) ceremony is taken.	4th graduation (Convocation) ceremony is scheduled on 13th February 2019

❖ **Academics:** Dean Academics was briefed by IQAC chairman and Coordinator on following points to enhance quality of education in the Institute

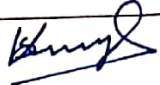
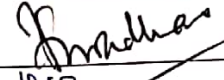

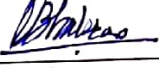

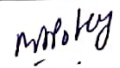


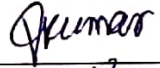
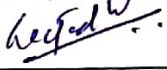
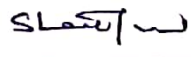

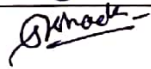
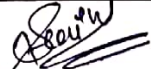

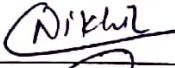

- Preparation of Academic Calendar of the Institute in accordance with SPPU Academic Calendar.
- Campus director Col. S K Joshi (Retd.) suggested that rigorous monitoring to be performed by Dean Academics and his team.
- One Certificate Course and one value added course has to be conducted by each department.

- Principal Dr. Vijay M Wadhai recommended that Students must be encouraged to undergo Internship in Domain specific Industries under AICTE Internshala Program.
- Participation in NIRF has to be strengthened.

❖ **Publications**

- Workshops, Seminars and Guest Lecture has to conducted to enhance the technical skills in domain specific areas and placement of the students.
 - All HOD were informed that 50% of the UG projects has to be sponsored from Industries.
 - Dr. Preeti Patil HOD IT told that students should be motivated to participate in extension activities
 - Industry Institute Interaction has to be initiated more effectively.
- ❖ Campus Director Col. S K Joshi (Retd) asked principal to plan for Staff Development Program for enhancing the skills.
- ❖ Principal Dr. Vijay M Wadhai asked IQAC Coordinator to plan for Technical, Cultural and Sports activities of the Institute

Attendance report of IQAC meeting held on 9th January 2019, at 10.00 am in Dyanprasad Sabhagrah, D Y Patil College of Engineering, Akurdi, Pune.

Name of Attendee	Department and Designation	Signature
Col. S K Joshi (Retd.)	Campus Director	
Dr. Vijay M Wadhai	Principal and IQAC Chairman	
Dr. Mrs. P. Malathi	Vice-Principal and IQAC Coordinator	
Mr. Prashant Bhalerao	Administrative Office	
Dr. Vinay A Kulkarni	Faculty	
Dr. Madhuri A Potey	Faculty	
Dr. Preeti S Patil	Faculty	
Dr. B B Musmade	Faculty	
Dr. Vijaykumar Jatti	Faculty	
Dr. Ganesh Jadhav	Faculty	
Mrs. Shantiguru	Faculty	
Mr. Avinash Nighojkar	Local Society Member	Absent
Mr. Pradnesh R Padave	Faculty	
Mr. Sairaj Khade	Student Representative	
Ms. Sayma Shaikh	Student Representative	
Mr. Amit D Andre	Alumni Representative	
Mr. Nikhil Deshmukh	Alumni Representative	
Mr. Tanmay Mehta	Employer Representative	

Minutes of Meetings

Date : 24th May 2019

Dr. Vijay M Wadhai, Chairman of IQAC, welcomed all IQAC Members for the meeting in the end of academics semester.

❖ Previous minutes of meeting and its progress

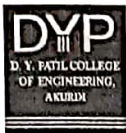
Sr. No.	Points Discussed in Meeting	Status before meeting	Current Status
1.	Academic Calendar	Prepared and Ready to Implement	Is implemented in Semester II, A.Y. 2018-19.
2.	Department should start one Value added course and one certification course	The certificate courses useful for placements are identified	Planned in department Academic Calendar
3.	Continuous Internal Evaluation	Standard format is prepared by IQAC and Circulated to all departments.	Dean Academics is tasked to prepare schedule for checking of Continuous Assessment Sheet
4.	Pass percentage of students	Average Final year result of October 2018 is "70.77%"	Results of BE Students to be improved by 100%.
5.	Projects sponsored by the University/ College	Proposals are prepared by faculty members and ready to apply for sponsorship from University	1 major grants has to be obtained by every department
6.	Workshop/ Seminar	Resources for workshop are identified by departments.	Workshops are planned in Departmental academic calendar
7.	NSS/NCC/Red cross/Youth Red Cross (YRC), Swachh Bharat, Aids Awareness, Gender Issue	Committee is formed for social activities.	Apply on 10 July 2019 for AICTE Swachata Ranking Apply for Clean Campus Award organized by PCMC
8.	Internship	Awareness about AICTE Internshala Program is done amongst students	Companies are identified by department for internship
9.	Capability Enhancement and Development schemes	Soft skill development and Yoga resources are identified	Expert Lectures from Soft Skill Department is scheduled for Final Year students Planning of Yoga program on 'Yoga day'
10.	Welfare schemes	Welfare Schemes policy is prepared	One day outing for Class IV Employees are planned
11.	Technical/ Cultural/Sports	Student Council Team is	Technical/ Cultural/Sports Events

	Events	formed and events management is in process	are scheduled from 11th January 2019 to 20th Jan 2019
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- ❖ **Academics:** Dean Academics was briefed by IQAC coordinator in following points to enhance quality of education in the Institute
 - IQAC coordinator asked dean academics whether the Academic Calendar is meticulously followed in line with SPPU calendar.
 - Campus Director Col. S K Joshi (Retd) asked Principal to issue the Letter of Improvement and letter of appreciation to faculty members based on internal academic audit.
 - Dr .V A Kulkarni HOD Mechanical suggested to conduct the Student Satisfaction Survey through ICT Tools.
 - Dr. B B Musmade HOD Instrumentation and Control recommended to implement Mentoring System, Feedback System and Teaching Learning Process in MOODLE.
- ❖ **Publications**
 - Dr. V S Jatti, Dean R & D stressed on the following points related to research.
 - faculty and students have to be educated for drafting the patent .
 - Session on writing a "Research Proposal" is to be organized and awareness about the plagiarism is to be created amongst Faculty and Students.
 - One Centre of Excellence per department is to be established.
 - Faculty has to publish one research paper in Web of Science and Scopus Indexed Journals
 - One National Level Conference per department is to be organized.
 - Mr Amit Andre and Mr. Nikhil Deshmukh (Alumni Representative) suggested to conduct Industry Academia Research Meet 2K19 for strengthening the industry institute interaction
 - Principal and IQAC chairman urged to enhance the number of MoUs in the Institute.
 - Innovation cell and IITB remote centre facility is to be developed for imparting additional skills for the students and faculty .
- ❖ Maintenance of Civil, Electrical and Carpentry work in the Institute is to be carried out.
- ❖ Registrar Mr. P N Bhalerao was asked to prepare the Budget Allocation for Academic Year 2019-20 and utilization for Academic Year 2018-19.
- ❖ Discussion on Activities of Entrepreneurship Development Cell

Attendance report of IQAC meeting held on 24th May 2019, at 10.00 am In Dyanprasad Sabhagrah, D Y Patil College of Engineering, Akurdi, Pune.

Name of Attendee	Department and Designation	Signature
Col. S K Joshi (Retd.)	Campus Director	
Dr. Vijay M Wadhai	Principal and IQAC Chairman	
Dr. Mrs. P. Malathi	Vice-Principal and IQAC Coordinator	
Mr. Prashant Bhalerao	Administrative Office	
Dr. Vinay A Kulkarni	Faculty	
Dr. Madhuri A Potey	Faculty	
Dr. Preeti S Patil	Faculty	
Dr. B B Musmade	Faculty	
Dr. Vijaykumar Jatti	Faculty	
Dr. Ganesh Jadhav	Faculty	
Mrs. Shantiguru	Faculty	
Mr. Avinash Nighojkar	Local Society Member	- Absent -
Mr. Pradnesh R Padave	Faculty	
Mr. Sairaj Khade	Student Representative	
Ms. Sayma Shaikh	Student Representative	
Mr. Amit D Andre	Alumni Representative	
Mr. Nikhil Deshmukh	Alumni Representative	
Mr. Tanmay Mehta	Employer Representative	



D Y Patil College of Engineering, Akurdi, Pune-411044

Internal Quality Assurance Cell (IQAC)

Minutes of Meetings

Date : 18th July 2019

Dr. Vijay M Wadhai, Chairman of IQAC, welcomed all IQAC Members for the meeting in the beginning of academics semester. The agenda of the meeting is as follows.

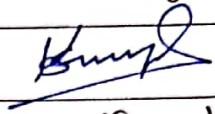
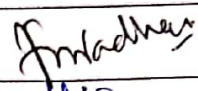
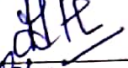
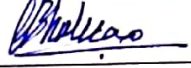
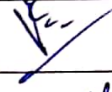
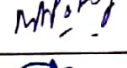

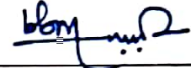
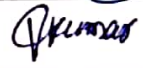
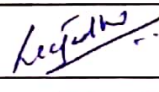
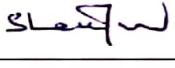

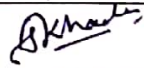

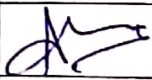
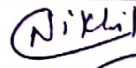

❖ Previous minutes of meeting and its progress

Sr. No.	Points Discussed in Meeting	Status Before Meeting	Current Status
1.	Feedback and mentoring system in MOODLE	Gnomio Platform is created	Feedback of faculty members is to be conducted in MOODLE by September 2019.
2.	Publications and Conference	R & D Cell planned "Research Paper Writing" on 7th June 2019.	1. faculty awareness session on "Plagiarism free publication " on 12 June 2019 is arranged 2. one publication per faculty
3.	Student Satisfaction Survey	To be planned at the end of the semester.	1. Form for Student Satisfaction Survey is added in MOODLE 2. Program exit survey and course exit survey is available in MOODLE
4.	Interdisciplinary Projects	Project Coordination Committee is formed and informed to identify quality projects for exhibition.	Project exhibition is scheduled on 13th July 2019.
5.	Industry sponsored Projects	III Cell is formed and informed to generate industry contacts	04 Industry collaborative projects per department is to be undertaken
6.	Innovation	Innovation cell is formed and activities by cell are scheduled	Develop new facility for Innovation cell.
7.	MoU	Industries for MoU are identified by departments	05 MoUs per Department
8.	Budget Allocation	Budget for Semester is prepared by the departments	Utilize budget allotted to departments.
9.	IITB Remote Centre	FDP 101x and FDP 201x conducted under IIT Bombay in RC1516.	To develop New facility for active learning in Institute.
10.	Entrepreneurship Development Cell	48 students have successfully completed internship under INTERNSHALA program	EDP program is organized to help 18 students to complete Internship.

❖ IQAC coordinator briefed the following points to enhance quality of education in the Institute

- Academic and Administrative audit of the Institute has to be conducted
- Enhancing the Competitive Examination Cell for improving the ratio of higher studies
- Dr. Mrs. Madhuri Potey, Asso. Prof., Information Technology recommended to revise the Policy for Academics.
- Campus Director Col. S K Joshi (Retd) instructed Principal, IQAC Coordinator and Dean Placements to improve the number of Campus Placements.
- Dr. Mrs. P, Malathi, IQAC Coordinator requested the ISO Coordinator of the Institute to speed up the process of Certification.

Attendance report of IQAC meeting held on 18th July 2019, at 10.00 am in Dyanprasad Sabhagrah, D Y Patil College of Engineering, Akurdi, Pune.

Name of Attendee	Department and Designation	Signature
Col. S K Joshi (Retd.)	Campus Director	
Dr. Vijay M Wadhai	Principal and IQAC Chairman	
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Mr. Pradnesh R Padave	Faculty	
Mr. Sairaj Khade	Student Representative	
Ms. Sayma Shaikh	Student Representative	
Mr. Amit D Andre	Alumni Representative	
Mr. Nikhil Deshmukh	Alumni Representative	
Mr. Tanmay Mehta	Employer Representative	

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

AICTE FDP : AICTE Sponsored Faculty Development Program "Imparting Outcome Based Education in Professional Education" on 4th Nov - 15th Nov 2019 To explore best OBE practices aligned with Industry 4.0

Outcome based Teaching Learning Process in MOODLE : All students and Faculty members are on one MOODLE platform "www.dypcoeakurdi.gnomio.com" for Teaching Learning and Mentoring Process

Installation of IIT Bombay Remote Nodal Centre : To empower teachers and students with virtual learning environment facility set up by NMEICT.

8 weeks International MOOCS as change project of AICTE-UKIERI Dudley College of Technology : Creating open source cloud based Gnomio MOODLE of your own subject for OBE to help professional teachers to transform their own LMS.

IndustryAcademia Research Meet 2K19 : IndustryAcademia Research Meet 2K19 was organized on 13th July 2019, to discuss and establish a roadmap for industrial research and consultancy in the areas of Internet of Things, Artificial Intelligence, Data science and Automation etc.

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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 implement ICT based teaching learning process for academic year 201819	3278 Students and 149 Teachers are now using ICT based Moodle (gnomio) for their teaching learning process
Feedback of faculty members has to conducted in MOODLE by September 2019.	Analysis of the feedback is also done.
Implementation of Students mentoring system to be available in Gnomio 100% by July 2019	100 %
Results of BE Students to be improved to	Average Results of BE students is 94.57 %.

reach 100%.	
Student Satisfaction Survey (SSS) has to be conducted on overall Institutional performance	Conducted in September 2019
02 Minor grants per department, 04 Industry collaborative projects per department and 5 major grants should be targeted	02 Minor projects sanctioned, 02 Major grants received and 14 Industry collaborative projects sanctioned amounting to total fund generation of INR.66,38,209/-
One workshop per department 05 MoUs per department 5 Patents per department per semester has to be filed.	Workshop- 15 17 MoUs are signed in the Institute after January 2019. Patents - 27 filled
To develop New facility for active learning in Institute.	IIT Remote centre is developed in the Institute.
To inculcate ethics in students	09 Activities are conducted
To participate in Competition like clean campus award, Swach Bharat Abhiyan.	Institute awarded with Clean Campus in Pimpri Chinchwad Region.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Body	18-Sep-2019

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	2019
Date of Submission	28-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>D Y Patil College of Engineering has an Institution Resource Planning (IRP) platform called COLL POLL, which is based on Cloud Architecture that support Web as well as Android APP Devices. CollPoll is a realtime communication, collaboration and coordination platform for learning environments is now been customized to serve our institute. It covers both Management Information System and Learning Management Platform (LMS). All major stakeholders of the College - members of the administration staff, students and faculties use the College CollPoll app. To reduce paper work and waiting queue, Admission module is implemented successfully. Next important module is Fees Payment Module. In support of digitization we have link the fees payment module 100 integrated to digital transaction through payment gateway. It reduces much of student hour to wait in queue for fees payment. Student get Digital Receipt after making successful transaction. Institution Resource Planning platform has Booth module, where student can register into different booth and accordingly, they are connected with each other. Booth helps to connect to students, faculty and administrators within our institution by exchanging information, links, documents, images, videos etc. The platform also supports notice Communication where, College has the option of broadcasting messages. University exam fees payment module is highly appreciated by student, where student can pay university exam fees through online digital mode. In near future we will be enhancing the module to capture student data under academic's modules for quick analysis of attendance and course outcome. Inventory management and HR module is the also in pipeline which will be included shortly in the system. Next target is to implement Collaboration Module which will be used for meeting planning, assignments, respond and receive real time feedback collection on matter of importance, Event management, daily scheduling and reminder and all such activities.</p>

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 affiliated to Savitribai Phule Pune University (SPPU). The curriculum is designed by the University which is framed through the Board of studies that constitutes senior faculties from affiliated Institutes, representative from Industries and various organizations related to academics and research. Curriculum is revised after every four- five years. For effective implementation of curriculum following are the plans and documentations done at Institute level 1. Academic calendar is prepared at Institute and Departmental level according the academic calendar of University. 2. Considering the competency, expertise, interest and result of the faculty, the subjects are allotted. 3. Groups of the faculties senior and junior for similar subject's domain are prepared. 4. Experimental set-ups in all the laboratories are tested and maintained regularly to conduct experiments. 5. Academic Time Table (Master and Individual) is prepared, distributed and displayed, duly signed by the authorities, before start of every semester. 6. Continuous up-gradation of course File/ Lab Manual which consist of - Time Table, Syllabus Structure, Course Outcomes, Lesson Planning, Experiment List, Hand Written Notes/Assignments, PPT's, Model Question papers, Model Answer Papers, Unit Test Papers and MCQ's etc. These are checked and verified by HOD, Departmental and College Academic coordinators, time to time. 7. After commencement of classes faculty executes the teaching plan and maintains the record of :- • Theory and Practical's attendance and performance. • Evaluation of Continuous progressive assessment with respect to Practical / Assignments/Tutorial work etc. • Industrial visits, expert's lectures and other curricular activities as planned in Academic Calendar. • Evaluations of students through periodic unit tests, orals, tutorials, assignments, seminars, Preliminary examinations, re-tests, Mock Assessments 8. Daily academic monitoring by academic coordinators for smooth conduction of lectures & practical's. The student performance as recorded in Progressive Assessment sheet and respective class records are duly audited internally by HOD's, IQAC.

1.1.2 - Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
CATIA	NA	03/07/2019	01	Employability	3 Dimensional Modeling

Soft Skills Training (APART)	NA	05/07/2019	20	Employability	General Knowledge, Group Discussion and Personal Interview
Hyper mesh	NA	14/09/2019	01	Employability	Model Meshing and Analysis
Structural Software workshop on STAAD PRO	NA	23/09/2019	06	Employability	Skill Development
PLC SCADA	NA	16/06/2018	60	Employability	PLC SCADA Development
RPA Essential Certification	NA	18/02/2019	30	Employability	RPA BOT Creation
Web Application Penetration Testing	NA	12/08/2019	03	Employability	Web development

1.2 - Academic Flexibility

1.2.1 - New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	First Year; 101007 Environmental Studies-I , Mandatory Non-Credit Course	19/08/2019

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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	Mechanical Engineering	17/06/2019
BE	Computer Engineering	17/06/2019
BE	Electronics and Telecommunication	17/06/2019
BE	Information Technology	17/06/2019
BE	Civil Engineering	17/06/2019
BE	Production Engineering (Sandwich)	17/06/2019

BE	Instrumentation and Control Engineering	17/06/2019
ME	Environmental Engineering	05/08/2019
ME	Mechanical Design Engineering	05/08/2019
ME	Heat and Power Engineering	05/08/2019
ME	VLSI and Embedded system	05/08/2019
ME	Communication Network	05/08/2019
ME	Manufacturing and Automation	05/08/2019
ME	Construction Management	05/08/2019
ME	Computer Engineering	05/08/2019

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

	Certificate	Diploma Course
Number of Students	532	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
Soft Skill Training by E and TC Department	02/01/2019	135
Soft Skills Training (APART)	24/01/2019	89
Faecal Sludge Management	25/01/2019	125
Robotic Process Automation(RPA) Certification Course	18/02/2019	165
Microsoft Office Excel and MSP for Civil Engineers	25/02/2019	12
Mobile repairing	26/02/2019	30
App Development	27/02/2019	30
Certified Six Sigma Green Belt	09/02/2019	30
Zensor ESD Program	03/06/2019	46
Japanese Language Training (N5 Level)	05/06/2019	36
C Tutorial (Solo learn App)	01/07/2019	50

Data Structures (Solo learn App)	01/07/2019	50
CATIA	03/07/2019	15
Programming basics using C/C plus plus	15/07/2019	28
WEB Development	17/07/2019	70
General Aptitude by Computer Department	07/08/2019	53
Communication Skill	19/08/2019	823
Technical Skill Development	31/08/2019	72
Android App Development	03/09/2019	20

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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
BE	Civil Engineering	51
BE	Mechanical Engineering	96
BE	Computer Engineering	32
BE	Information Technology	17
BE	Electronics and Telecommunication	53
BE	Instrumentation and Control	35
BE	Production Engineering	60

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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

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

Feedback Obtained

Feedback is collected from various stakeholders like Students, Teachers, Employee, Alumni and Parents for curriculum and overall development of Institute. Student: - Student feedback is collected twice in every semester (Internal and External) with respect to academics which help to assess faculty performance with respect to academics and teaching learning process. Teachers: - Teacher feedback is taken to understand performance of students with respect to academic competency Employers: - Employer feedback are taken to assess our students overall competency for placements. Alumni: - Feedback from Alumni is taken to identify curriculum gap and to assess required skills for employability readiness of our Students. Parents: - Parent feedback helps to understand overall satisfaction level of their ward regarding academics, infrastructure and other facilities and services of Institute . Utilization of Feedback for overall development of Institute:- Curriculum gap is identified through feedback collected from students, alumni, faculty and Industry experts. Suggestions received from student feedback regarding subject are utilized for improvement in teaching learning process. Suggestions are conveyed to respective faculty member and asked to improve in that parameter. Feedback from students regarding academics and other aspects are taken into consideration for further improvement in teaching learning process. Feedback comments and suggestions are conveyed to the University during reformation of the curriculum and also strategized in Institute for overcoming by various measures like Industrial visits, guest lectures, value added courses, participation in workshops / conferences / exhibitions / learning beyond syllabus etc. Faculty members of the Institute contribute in curriculum reformation at the University for Framing and drafting of the curriculum. Faculty members further contributes as resource persons for the syllabus discussion workshops. Placement questions are discussed by the Training and Placement (T and P) office with Head of Department and faculty members to enrich curriculum delivery content during classroom teaching. The T and P faculty coordinator shares placement process along with the necessary preparation that the students are expected to undergo for the placement drives that would commence from third year of graduation. Feedback from Industry persons or the companies coming for placement is taken, analyzed and accordingly suggestions are given to students for improvement in technical skills, communication skills and personality development. All feedbacks from various stakeholders are used for overall development of Institute in terms of academics, human resources facilities, services, infrastructures etc.

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 Engineering	120	120	120
BE	Information Technology	120	120	120
BE	Electronics & Telecommunication	120	120	116
BE	Instrumentation Engineering	60	60	54
BE	Mechanical Engineering, First Shift	120	120	94
BE	Civil Engineering, First Shift	120	120	108
BE	Production Engineering S/W	60	60	18
ME	Computer Engineering	25	25	1
ME	VLSI & Embedded Systems	18	18	2
ME	Design Engineering	18	18	10
ME	Construction & Management	18	18	13
ME	Environmental Engineering	18	18	9
ME	Manufacturing Engineering and Automation	15	15	5
BE	Mechanical Engineering, Second Shift	60	60	53
BE	Civil Engineering, Second Shift	60	60	49

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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	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
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		in the institution (PG)			
2018	3360	112	161	22	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
183	183	6	23	1	20

[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)

1. Teacher guardian scheme has already been established and implemented in college. All students come under this scheme from the date of joining in the college. 2. In this scheme complete information and track of each student is maintained throughout the course by recording it in teacher guardian book. It involves academic, extra curricular and co curricular growth, achievements and personal information of all students. 3. In this system each teacher guardian is allocated 18 to 23 students. Teacher guardian conducts meeting with their students periodically (twice a month at least) and monitor and record their academic progress and attendance. 4. If student is absent for any lecture TG will send the SMS to parents about the same and if he/she is absent for more than 3 days verbal communication will be done by TG to parents. 5. Teacher guardian interact one to one with parents in parent teacher meet and share their ward's progress in detail. Sometimes they call parents personally to meet in case of very poor attendance or any big issue. 6. Impact analysis is maintained monthly to observe improvement of each student. Mentoring is done on following parameters

- Professional guidance
 - Skill development - Students are encouraged to attend seminars, workshops and conferences and training programs, to know the recent trends, development and requirement in Industries.
 - Encouraged to work on projects according to requirement of Industries and with modern tools and techniques to make them Industry ready.
 - Students are also motivated to participate and publish papers /journals on their area of interest.
- Academic guidance
 - Students are monitored very closely by maintaining their attendance and academic progress record.
 - Students with poor attendance are called and counselled periodically by teacher guardian and HOD and ensure their improvement. Parents are also informed regularly by SMS and phone calls about their ward's attendance.
 - Defaulter list is displayed at the end of each month and teacher guardian take undertaking from parents and students to warn them that they may get detained if not taking this issue seriously.
 - Teacher guardian identifies the academically weak students and arranges remedial classes, question bank with solution for them. They try to find out and solve the problems if they need extra time with a particular subject.
- Career advancement
 - Students are motivated to attend various training programs organized by department and training and placement cell to improve themselves.

Details of ICT Tools and Resources Available

Sr. No.		Name of Tool
1	<u>ICT tools and resources available</u>	Moodle Gnomio
2		Virtual Lab
3		NPTEL video lectures
4		PPTs
5		Google Class room
6		Google forms

Details of E-Resources and Techniques used

Sr. No.		Name of Tool
1	<u>E-Resources and Techniques used</u>	IEEE ASPP + POP
2		ASCE
3		ELSEVIER
4		Science direct
5		Knimbus
6		National Digital Library (NDL)
7		Web Applications on Smart phones
8		Think Pair share
9		ASME
10		MS office
11		Flipped class room
12		Swayam
13		LCD Projector
14		Moodle
15		Ppt
16		Group Reading
17		Class Assignments
18		Learning by Doing
19		WhatsApp
20		Role Plays

Laboratory specific • Laboratory attendance is also recorded and monitored and teacher guardian guides them to perform all practicals on time. • Students who are absent in any practical are counselled to complete in extra hours. 5. Personal development • Students are counselled in case of any personal concerns. • Students are encouraged to build teamwork spirit.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3360	161	1:20.8

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
178	183	0	5	29

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			

[View File](#)

2.5 - Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	627224510	Semester 2/ 2019	09/04/2019	18/07/2019
BE	627224610	Semester 2/ 2019	09/04/2019	18/07/2019
BE	627237210	Semester 2/ 2019	09/04/2019	18/07/2019
BE	627246610	Semester 2/ 2019	09/04/2019	18/07/2019
BE	627261210	Semester 2/	09/04/2019	18/07/2019

Honours and recognitions received by teachers

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. P. Malathi	Vice Principal	Paper reviewer for International Journal of Electronics and Communications, Elsevier, Netherlands
2019	Dr. P. Malathi	Vice Principal	Recognized and selected for UK Educational tour under AICTE-UKIERI Leadership Development Program by Dudley College of Technology.
2019	Dr. P. Malathi	Vice Principal	Awarded by Chartered Management Institute (CMI) as part of the CMI Level 5 Certificate in Management and Leadership with Dudley College of Technology, UK
2019	Dr. Manish Sharma	Associate Professor	Reviewer for WSN Book Springer 2019 submission 27.
2019	Mrs Aparna Shinde	Assistant Professor	Reviewer for journal papers on Wireless Communications
2019	Mrs Aparna Shinde	Assistant Professor	Reviewer for PGCON for PG students in Shivaji University.
2019	Mrs Usha Jadhav	Assistant Professor	Reviewer for IEEE conference on 5 th International conference on "Computing, Communication, Control And Automation" organized by Pimpri Chinchwad College of Engineering and technically sponsored by IEEE Pune Section, 19 th to 21 st Sep 2019
2019	Prof. Sachin Mane and Aruna Sharma	Assistant Professor	Best M E Thesis award by ISTE
2019	Dr Ashok B More	Associate Professor	19 th State Annual Faculty Convention 2019 Maharashtra-Goa Section
2019	Dr Ashok B More	Associate Professor	In recognition of Outstanding Contributions to academic achievements & for inspiring hope & igniting imagination
2019	Dr Ashok B More	Associate Professor	Elected for the post of Executive Council, Section chairman & SMC, ISTE for the term (2020-24)
2019	Dr Ashok B More	Associate Professor	Expert for Clean and Smart Campus Award 2019 by AICTE for 1 Institution in Surat (Gujarat) and 2 from Bhubaneshwar (Odhisia)
2019	Mr Rajvardhan Patil	Assistant Professor	Peer Reviewer for Water Resources Management in Springer Nature Research Integrity Group
2019	Dr Sandeep M Shiyekar	Professor	Honorary Member of Advisory Board of M/s Award Infra Structure Limited
2019	Mrs Smita V Pataskar	Assistant Professor	Member of Board of Studies of MIT-ADT University, Pune, India
2019	Mrs Smita V Pataskar	Assistant Professor	Reviewer for Manuscript for WORK ; A Journal of Prevention Assessments and Rehabilitation
2019	Mrs Smita V Pataskar	Assistant Professor	Reviewer for Asian Journal of Engineering and Technology
2019	Mrs Smita V Pataskar	Assistant Professor	Expert Trainer at Unity Knowledge LLP
2019	Dr. P T Nitnaware	Asso. Prof	Reviewer for Lingual Journal
2019	Dr. P T Nitnaware	Asso. Prof	Reviewer for Impress Journal
2019	Mr. A J Patankar	Assistant Professor	Reviewer and Session Chair for 5th International Conference on Computing, Communication, Control and Automation which is technically co sponsored by IEEE Pune Section during 19th to 21 st September, 2019.

2019	Dr. Vinay A Kulkarni	Asso. Prof	Reviewer of Journal of Non-Crystalline Solids Elsevier
2019	Dr. Vinay A Kulkarni	Asso. Prof	Resource Person Hands on experience with Moodle for effective teaching-learning process, in 1st April 2019, in Academic Leadership Training Programme in B. S. Abdur Rahman Crescent Institute of Science and Technology, Chennai.
2019	Dr. Vinay A Kulkarni	Asso. Prof	Awarded by Chartered Management Institute (CMI) as part of the CMI Level 5 Certificate in Management and Leadership with Dudley College of Technology, UK
2019	Dr. Vinay A Kulkarni	Asso. Prof	Appreciation for expert session on Outcome Based Education held on 4th May 2019 at NDMVP's KBT college of Engineering
2019	Dr. R S Hingole	Professor	Appreciation Letter from Bahirdar University, Ethiopia for the Conduction of International Conference.
2019	Dr. R S Hingole	Professor	Reviewer for the World Journal of Engineering for Manuscript ID-WJE-06-2019-0180
2019	Dr. P T Nitaware	Asso. Prof	Editorial Board Member of Journal of Mechanical Engineering Research
2019	Dr. P T Nitaware	Asso. Prof	Editorial Board Member of Thermal Science & Engineering
2019	Mr.Pramod B. Deshmukh , National Level	Assistant Professor	Iconic Faculty Award 2019, from Parishkar college of global excellence association with Global Rajasthan Government
2019	Mrs.Deepali Gothawal	Assistant Professor	Reviewer for IEEE Access
2019	Mrs.Deepali Gothawal	Assistant Professor	Reviewer for :International Journal of Wireless Networks and Broadband Technologies (IJWNBT)
2019	Mr.Pramod B. Deshmukh	Assistant Professor	Reviewer for International Journal of emerging technologies and computer science
2019	Mr.Pramod B. Deshmukh	Assistant Professor	Best Young Researcher
2019	Mr. Rahul Y Pawar	Assistant Professor	Reviewer for International Journal of emerging technologies and computer science
2019	Mrs. Vaishali Kolhe	Assistant Professor	Reviewer for CPGCON
2019	Mrs. Vaishali Kolhe	Assistant Professor	Reviewer for ICCUBEA
2019	Mrs. Vishakha Metre	Assistant Professor	Best Paper Award (ICCUBEA-2019)
2019	Mrs. Vishakha Metre	Assistant Professor	Editorial Board member in SPIREA journal of Computer
2019	Mrs. Vishakha Metre	Assistant Professor	Reviewer for American Journal of Electrical and Computer
2019	Dr. B B Musmade	Associate Professor	Member BOS Instrumentation Engineering
2019	Mr. Vipin Vibhute	Assistant Professor	Guest of Honour for Event Manager of the Year Award by National Institute of Event Management.
2019	Mr. Vipin Vibhute	Assistant Professor	Appreciation by Texas instruments for Fostering an Eco System Bridging Government, Industry and Academia
2019	Aarti Utikar	Assistant Professor	Guest of Honour for Event Manager of the Year Award by National Institute of Event Management.

		2019		
BE	627261220	Semester 2/ 2019	09/04/2019	18/07/2019
BE	627219110	Semester 2/ 2019	09/04/2019	18/07/2019
BE	627219120	Semester 2/ 2019	09/04/2019	18/07/2019
BE	627262610	Semester 2/ 2019	09/04/2019	18/07/2019
ME	627224510	Semester 2/ 2019	11/05/2019	20/08/2019
ME	627234110	Semester 2/ 2019	11/05/2019	20/08/2019
ME	627261410	Semester 2/ 2019	11/05/2019	20/08/2019
ME	627221010	Semester 2/ 2019	11/05/2019	20/08/2019
ME	627220110	Semester 2/ 2019	11/05/2019	20/08/2019
ME	627260610	Semester 2/ 2019	11/05/2019	20/08/2019

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

Progressive Assessment sheets are maintained for all the courses which are having oral / practical head as defined by Savitribai Phule Pune University. To focus on the academic continuity to be maintained by students and understanding level, the distribution of marks are decided as Attendance (05 Marks), Viva (15 Marks) and Presentation (05 Marks) Total 25 Marks. 1. Progressive assessment refers to frequent, interactive assessments of student progress and understanding to identify learning needs and adjust teaching appropriately. These are maintained throughout the semester for each batch to record progress of students in practical session. It includes attendance, viva and presentation. 2. The transparency in term work assessment is ensured by informing the student about

assessment process in the beginning of the semester and entering the marks in progressive assessment sheets in the presence of student. 3. Two unit test and one prelim exam are conducted in one semester to track the progress of students and extra are taken to improve the weak students in remedial classes and study sessions

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

Academic calendar is published by Savitribai Phule Pune University at the start of each semester. All the examinations are conducted as per the schedule given in the Institute as examination center. In addition to this, academic calendar at Institute level is prepared and most of the activities are conducting according to schedule only. Other activities which are added comprises of guest lectures, site/field visits, unit tests, Training placement activities, seminars, conferences, training activities, value added courses, internships, etc. These are based on the requirement of subjects, gap between Industry and Academics, Current trends in Industry and Students demands.

2.6 - Student Performance and Learning Outcomes

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

<https://www.dypcoeakurdi.ac.in/courses/departments/post-graduation-computer-engineering-colleges-india>

2.6.2 - Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					

[View File](#)

2.7 - Student Satisfaction Survey

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

<https://www.dypcoeakurdi.ac.in/naac>

CRITERION III - RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/ year examination	Pass Percentage
627224510	Computer Engineering (UG)	121	120	99.17
627224610	Information Technology (UG)	123	119	96.74
627237210	Electronics & Telecommunication (UG)	149	130	87.24
627246610	Instrumentation Engineering (UG)	62	61	98.38
627261210	Mechanical Engineering (UG) – First shift	144	118	81.94
627261220	Mechanical Engineering (UG) – Second shift	75	66	88
627219110	Civil Engineering (UG) – First Shift	162	160	98.76
627219120	Civil Engineering (UG) – Second Shift	65	64	98.46
627262610	Production Engineering s/w (UG)	55	52	94.54
627224510	Computer Engineering (PG) - Computer	9	6	67
627234110	Electronics & Telecommunication (PG) – VLSI & Embedded Systems	8	7	87.5
627236010	Electronics & Telecommunication (PG) – Communication Network	2	0	0
627261410	Mechanical Engineering (PG) – Design Engineering	15	8	53.33
627259610	Mechanical Engineering (PG) – Heat Power	4	2	50
627221010	Civil Engineering (PG) – Construction & Management	16	14	87.5
627220110	Civil Engineering (PG) – Environmental	9	9	100
627260610	Production Engineering (PG) - Manufacturing Engineering and Automation	10	10	100

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
Minor Projects	730	AICTESPDP Software Skill Development Program for SC/ST Students.	712000	356000
Any Other (Specify)	730	AICTE	506000	506000
Major Projects	730	ISROSPPU	1285000	375000
Major Projects	730	All India Council for Technical Education	1318000	1054400
Minor Projects	365	Microstar Gauging and Technologies, Hadapsar, Pune	108000	108000
Industry sponsored Projects	273	Microstar Gauging and Technologies, Hadapsar, Pune	110000	110000
Industry sponsored Projects	365	M/S B K Khose, Pune33	25000	25000
Industry sponsored Projects	365	Ramesh and Associates Specialty Construction Chemical and Services	5000	5000
Industry sponsored Projects	365	Digital Skill India Pvt Ltd, Pune	1000	1000
Industry sponsored Projects	180	Volkswagen India Pvt. Ltd.	36000	36000
Industry sponsored Projects	180	Thermax Ltd.	240000	240000
Industry sponsored Projects	180	Kores India Ltd.	150000	150000
Industry sponsored Projects	180	Godrej Byce Mfg. Co. Ltd.	240000	240000
Industry sponsored Projects	180	Kone Cranes Ltd.	27000	27000
Industry sponsored Projects	180	Eaton Technologies Pvt. Ltd.	120000	120000
Industry sponsored Projects	180	Divgi TTS Pvt. Ltd.	120000	120000
Industry sponsored Projects	180	Jindal steel Ltd	48000	48000
Industry sponsored Projects	180	Al Fence Products Company Pvt. Ltd	180000	180000
Industry sponsored Projects	180	Forbes Marshal India Pvt. Ltd.	24000	24000

Projects sponsored by the University	365	DY Patil College of Engineering, Akurdi, Pune	1325661	1325661
Projects sponsored by the University	365	DY Patil College of Engineering, Akurdi, Pune	27500	27500
Students Research Projects (Other than compulsory by the University)	365	Atlas Copco	228000	228000
International Projects	365	UKERI and Alumni	124248	124248
Any Other (Specify)	180	Launching of UG Water Olympiad in association with Rotary Club Singhgad Road	19700	19700
Any Other (Specify)	180	ISTRUCTE and Student Engagement	21100	21100

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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
Awareness On Patents And Patentability Assessment	Civil Engineering	29/12/2018
Two Days Training Programme On "Faecal Sludge Management"	Civil Engineering	24/01/2019
IET- Professional Body Orientation	Information Technology	29/01/2019
ISTRUCTE And Student Engagement	Civil Engineering	11/02/2019
Scope Of Instrumentation In The Field of Control And Automation	Instrumentation and Control	28/03/2019
BE Project Exhibition	Civil Engineering	04/06/2019
Writing Research Paper For SCI Indexed Journal	Computer Engineering	22/06/2019
Awareness Of Patent ,Copyright And Trademark	Electronics And Telecommunication	22/06/2019
Awareness On IPR	Civil Engineering	24/06/2019
Research Meet	Civil Engineering	15/07/2019
Expert Talk On Measurement Of Traffic Flow Characteristics At	Civil Engineering	30/08/2019

Different Scales Of Roadway		
Expert Lecture on Patent Filing	Electronics And Telecommunication	31/08/2019
Intellectual Property Rights	Mechanical Engineering	13/09/2019
Seminar On Innovation And Research	Civil Engineering	17/09/2019
Seminar On Business Management Behavior And Business Management	Civil Engineering	17/09/2019

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

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

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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
03	03	10

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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	Production Engineering (S/W)	11	6.53

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

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Innovision 2K19	Priyanka Dhingwani	JSPM group of institutes, Pune	11/1/2019	Best Paper Award
Cumulative Impact Assessment of Industrial Area	Prof. Sachin Mane	Indian Society of Technical Education	29/1/2019	Best ME Thesis
Ground Water Suitability for Drinking and Agriculture Usages in MIDC Area, Chakan Pune	Prof. Aruna Sharma	Indian Society of Technical Education	29/1/2019	Research in Agriculture Application
Go-Kart best Design vehicle	Team DOT.4 Racing	Auto India racing Championship	24/3/2019	Best Design
Automated Saliency Based Lesion Segmentation in Dermoscopic Images	Mr. Ganesh Mahajan	SPPU	4/4/2019	Best Paper Award in c-PGCON-2019
Estimating Audience Engagement for Prediction of Movie Ratings	Ms Shrutika Waykar	SPPU	4/4/2019	Best Paper Award in c-PGCON-2019
Security Scheme for code based Applications with enhanced (k,n) sharing Approach	Ms. Sarika Laiphrakpam	SPPU	4/4/2019	Best Paper Award in c-PGCON-2019
Penetration Testing Consultant	Vaibhav Gaikwad	Mile Cyber Security Certifications	8/9/2019	International
Digital Television Broadcasting – Features and Implementation in India	Sayma Shaikh, Isha Raj	Broadcast Engineers Society (I), Pune Chapter	15/9/2019	Runner Up
An Efficient Clustering Approach utilizing an Advanced Particle Swarm Optimization Variant	Ms. Vishakha Metre, Mr. Pramod B. Deshmukh	IEEE, ICCUBEA, 2019, PCCOE, Nigdi	21/9/2019	Best Paper Award
Aushadh: Automated service for hygiene and daily healthcare	Shreyash Choppawar, Amit Prasad, Vedansh Shrivastav	PCMC, PCSCL and PCCoE	26/9/2019	2 nd Runner up
Innovate for Smart Pimpri Chinchwad	Aniket Ghandage, Bhagyashree Udhane, Hritik Yadav	Pimpri Chinchwad Municipal Corporation	26/9/2019	Rank 1
First Prize, Botathon 2k19	Manjeet Singh	Automation Anywhere	26/9/2019	National
Second Prize, Botathon 2k19	Nitin Chaudhari	Automation Anywhere	26/9/2019	National
Innovate for Smart PCMC	Vedansh Shrivastva	PCMC Smart City Society	26/9/2019	SPPU
Mindspark 2019, Technical Championship	Aishwarya Kendle and Rishikesh Zanwar	COEP Pune	29/9/2019	Position 3
Robotics	Arvind Patel	Atlas Copco Pvt. Ltd	2/10/2019	SPPU
BAJA US tennesse	Team Prediators	SAE International	14/4/2019	750 dollar Award
BAJA	Team Prediators	SAE India	27/1/2019	Award of Rs.1,50,000
Robotics	DRAIC	MindSpark 2019	29/9/2019	2 nd Runner Up

International	Computer Engineering	3	3.02
International	Civil Engineering	41	5.17
International	Information Technology	7	5.98
International	Instrumentation and Control	6	4.95

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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
Instrumentation and Control	3
Computer Engineering	1
Mechanical Engineering	2
Electronics and Telecommunication	13
Civil Engineering	2
Information Technology	15
First Year	3

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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 !!!						

[View File](#)

3.3.6 - h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
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**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 the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
A Turbo Ventilator: A Systematic Review	Dr. Ganesh Kushebrao Jadhav	Engineering Science	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Applications of Coating on Carbide Tool for Finish Hard Machining	Dr. Ganesh Kushebrao Jadhav	IJSRD - International Journal for Scientific Research & Development	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Design and Development of Portable Blasting Machine	Dr. Ganesh Kushebrao Jadhav	International Journal of Research in Engineering, Science and Management	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Optimization of Drilling process parameter during of drilling of AISI 317L stainless steel	Dr.N.K.Kamble	Engineering Research Express	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
To improve manufacturing process with the help of statistical process control	Mr. R.P.Jadhav	International Journal for Scientific Research and Development	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Design a new gauge by combining Two box type gauges	Mr. N.M.Mahajan	Journal of Applied science and Computations	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Analysis of hydraulic punching pipe	Mr.S.V.Bhosale	World Journal of Engineering Research and Technology	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Effect of Post Weld Heat Treatment on Aluminium Alloys	Mr.S.V.Bhosale	International Journal of Innovative Research in Science, Engineering and Technology	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Fabrication and analysis between helical coil and straight tube heat exchanger	Mr.J.M.Khade	National journal of computer and applied science	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Comfort Testing and Simulation Analysis of Cars	Mr.V.J.Dhembare	National journal of computer and applied science	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0

Improvement in productivity by implementing KAIZEN on washing machine assembly line	Mr.P.R.Padave	International research Journal of Management, Science and Technology	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Review and Analysis of Zero, One and Few Shot Learning Approaches	Suvarna kadam	Intelligent Systems Design and Applications	2018	0	Department of Technology, SSPU	0
Protein Fold Recognition using n-Gram Strict Position Specific Scoring Matrix and Structural based Feature Extraction Technique	Kailash Shaw	International Journal of Recent Technology and Engineering (IJRTE)	2018	5.92	D.Y.Patil College of Engineering, Akurdi Pune	0
Occupational Hazards and its Impact on Helth of Eyes: A Survey	Pramodm Deshmukh, Dr. Neeta Deshpande	International Journal of Computer Science and Engineering (IJCSE UGC Approved Journal)	2018	3.022	D.Y.Patil College of Engineering, Akurdi Pune	0
Treatments for Occupational Hazards: A Survey	Pramodm Deshmukh, Dr. Neeta Deshpande	International Journal of Computer Science and Engineering (IJCSE UGC Approved Journal)	2018	3.022	D.Y.Patil College of Engineering, Akurdi Pune	0
A Survey on Computer-Aided Breast Cancer Detection Using Mammograms	Dr. Neeta Deshpande	Natioanl Journal of Computer and Applied Science	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Video Summarization - An improved Framework using CNN	Mrs. Dhanashree A. Phalke	International Reserch Journal of Engineering and Technology (IRJET)	2018	7.34	D.Y.Patil College of Engineering, Akurdi Pune	0
A Survey: Secret Sharing Approach with Cheater Prevention on QR Code	D. B. Gothawal	International Research Journal of Engineering and Technology (IRJET)	2018	7.34	D.Y.Patil College of Engineering, Akurdi Pune	0
Implementation of Security Scheme for QR code based Application with Enhanced (k,n) sharing Approach	D. B. Gothawal	Journal of Emerging Technologies and Innovative Research (JETIR)	2018	5.87	D.Y.Patil College of Engineering, Akurdi Pune	0
Detection and Classification of Diabetic Retinopathy Using CNN	D. B. Gothawal	International Journal of Research and Analytical Reviews (Ijrar)	2018	5.75	D.Y.Patil College of Engineering, Akurdi Pune	0

Fusion Method for Image Reranking and Similarity Finding	Neha D. Patil, Soniya K. Bastwade,	International Research Journal of Engineering and Technology (IRJET)	2018	7.34	D.Y.Patil College of Engineering, Akurdi Pune	0
Homomorphic Encryption Scheme in Cloud Computing For Security and Privacy of Sensitive Data	Soniya K. Bastwade, Neha D. Patil	International Research Journal of Engineering and Technology (IRJET)	2018	7.21	D.Y.Patil College of Engineering, Akurdi Pune	0
Packaging Design, Weld Fatigue analysis and Validation of Diesel Exhaust After-treatment System	Dr. Tapobrata Dey	Mechanical Engineering Research; Vol. 8 No. 2; 2018	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Study of PEM Fuel Cell End Plate Design by Structural Analysis Based on Contact Pressure	Dr. Tapobrata Dey	Journal of Energy	2018	1	D.Y.Patil College of Engineering, Akurdi Pune	0
Heat Transfer Performance Analysis of Screen Mesh Wick Heat Pipe Using CuO Nano Fluid	Dr. Tapobrata Dey	European Journal of Sustainable Development Research	2018	1	D.Y.Patil College of Engineering, Akurdi Pune	0
Investigation and Optimization of Process Parameters in Electrical Discharge Machining (EDM) Process for NiTi 60	Mahendra U Gaikwad, Krishnamoorthy A and Vijaykumar S Jatti	Materials Research Express	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Experimentation & CFD Analysis of Intercooler Fins in Two Stage Reciprocating Air Compressor	Gayatri J Kale, Pravin T. Nitnaware,	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Effects of CNG Injection Pressure on Performance, Emission and Combustion	Nakul N. Bhange, Pravin T. Nitnaware,	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Additives For Scum Reduction In Biogas Plant : A Simplified Testing Methodology	Shyamsing Thakur, Rahul Barjibhe, P. T. Nitnaware, Parag B. Jawanjal, Darshan Suryawanshi	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0

Modelling of SAW Parameters and Its Mechanical Properties for Joining Structural Steels	Kishor Purushottamrao Kolhe, Rahulkumar Hingole, Sachin Borse,, Ramesh Rudrapati	International Journal of Polymer Science and Engineering,	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Experimental Investigation and Analysis of Electrochemical Discharge Machining (ECDM) on fiberglass reinforced plastic (FRP)	Maneetkumar R Dhanvijay, Vinay A Kulkarni, Akshay Doke	Journal of Institution of Engineers (India): Series C	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Surface Plate Based Method for Quick Check CMM Accuracy Measurement	Vinay A Kulkarni, Abu Momin	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
PFuzzyACO: Fuzzy based optimization approach for energy aware cluster head selection in WSN	Dr. Mrs. P. Malathi	Journal of Internet Technology	2018	253	D.Y.Patil College of Engineering, Akurdi Pune	0
Multipath data transmission in WSN using exponential cat swarm and Fuzzy optimization	Dr. Mrs. P. Malathi	IET communications	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Spectrum sensing in cognitive radio using Actor-Critic Neural Network with Krill herd Whale optimization algorithm	Dr. Mrs. P. Malathi	Wireless personal communications	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Load Based Speed Control Feature to Improve Fuel Economy of Vehicle	Dr. D.G.Khairnar	Journal of Automobile Engineering and Applications,	2018	75	D.Y.Patil College of Engineering, Akurdi Pune	75
Improvement in the Fuel Economy through Load Based Speed Control Feature	Dr. D.G.Khairnar	International Journal of Pure and Applied Mathematics	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Removal of Impulsive Noise From Long Term Evolution Handset	Dr. D.G.Khairnar	Advances in Intelligent Systems and Computing	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0

A 2048-point Split-Radix FFT using Radix-4 Butterfly Units	Dr. Manish Sharma	International Journal of Recent Technology and Engineering (IJRTE)	2019	52	D.Y.Patil College of Engineering, Akurdi Pune	52
Intelligent Radio Resource Scheduling for LTE-Advanced using Wavelet Neural Network	Dr. Manish Sharma	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Recent Trends in Electronics and Communication Systems".	Mrs. Aparna Shinde	STM Journal	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Implementation of Energy efficient homogeneous MPSoC display device trained using NN in FPGA	Ms. Usha A. Jadhav	STM Journal	2019	7	D.Y.Patil College of Engineering, Akurdi Pune	0
"Image Text to Speech Conversion" Vol. 7, Issue 03, 2019 ISSN (online): 2321-0613, Pg no. 605-607. Paper ID: IJSRDV7I30343	Mrs. S. N. Mane	International Journal for Scientific Research & Development, 2019	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
A Review on Mobility Tracking in cellular Network (IJETT) – Volume 59 Issue 4- May 2018	Mrs.V. M. Lakshe (Bagal)	IJETT	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
2D Laser Engraver	Mrs. Snehal Gaikwad	IJRAT	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
An Intelligent Bus Transit System Based on RFID & Wi-Fi Technology	Mrs. Aditi Chaudhuri	International Research Journal of Engineering and Technology (IRJET)	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
QUADROTOR FOR AGRO FARMING USING MPU-6050 AND BLUETOOTH MODULE	Mrs. Aditi Chaudhuri	International Research Journal of Engineering and Technology (IRJET)	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
FPGA Based Signal Security Using FHSS system	Mrs. Rutuja Deshmukh	IJRCCCT	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0

RFID BASED BIOMETRIC VOTING SYSTEM	Mrs. Lina Desai	International Journal of Advanced Research in Electronics & Communication Engineering (IJARECE)	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
ICT based Inclusive Flipped Classroom to Better Integrate Interdisciplinary Research	Mr. Kishor Bhangale	International Journal of Advanced Research in Electronics & Communication Engineering (IJARECE)	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Stress analysis of laminated composites under Thermal Gradient by higher order shear and normal deformation theory	Dr S M Shiyekar	International journal for Research in Engg Application & management	2019	0	Sinhgad College Of Engineering, Pune	0
Buckling of Composite Laminated Plate Subjected to Thermal Environment using higher order shear and Normal deformation Theory	Dr S M Shiyekar	International Journal of Advance Research in Engineering and Technology	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Enriched Rapid Composting Techniques for Agro Industrial Organic Solid Waste	Dr Ashok B more	International Journal of Innovative Technology and Exploring Engineering	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Analysis of Variation in Planned Cost due to changed Cost at Brownfield Construction Site	Dr. Ashok More	International Journal of Scientific & Technology Research	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Waste Water Treatment Of Printing Ink By Adsorption Using Chitosan	Dr Ashok B more, Sachin J Mane	IJEDR	2019	NA	D.Y.Patil College of Engineering, Akurdi Pune	0
Water Quality Of River Basin Context In Maharashtra Region	Dr Ashok B more	IRJET	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Production Of Biofuel Using Water Lettuces (Pistia Stratiots)	Dr Ashok B more, Sachin J Mane	IRJET	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0

Fluoride Removal Using Low Cost Adsorbent – Lime	Dr Ashok B more, Sachin J Mane	IRJET	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Analyse Impact of Changed Cost on Actual and Planned Cost at Brownfield Construction Site	Dr Ashok B more	IJSRD	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Evaluation of Travel Delay Cost Associated with Traffic in Metro- Infrastructure Project	Smita Vivek Pataskar	International Journal of Scientific & Technology Research	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Evaluation of Noise & Incurred Social Cost Due to Infrastructure Construction Activity	Smita Vivek Pataskar	International Journal of Scientific & Technology Research	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Influence of Flow Velocity and nutrient availability on microbially mediated reduction of erosion suseptability of Sand	Dr. Saswati Datta	Lecture Notes in Civil Engineering, Springer	2019	3	D.Y.Patil College of Engineering, Akurdi Pune	0
Experimental study of partial replacement of natural aggregates and bitumen with reclaimed Asplalt pavement and waste plastic in flexible pavement	Dr. Saswati Datta	International Journal of recent trends in Engineering and Research	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Use of Waste plastic and reclaimed asphalt pavement in flexible pavement	Dr. Saswati Datta	Journal of Emerging Technologies and innovative reserach	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Use of PET bottles in rigid pavement - A review	Dr. Saswati Datta	International Journal of recent trends in Engineering and Research	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Analytical study of RERA ACT 2016 and it s impact on home buyer and promoter	Dr Tushar R Bagul	Journal of Emerging Technologies and Innovative research	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Risk Management in Infrastructure Projects	Mrs.Ashwini R Patil	IJERA	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0

Study of strength & durability parameters of concrete with partial replacements of natural aggregates & cement with recycled aggregate & Rice husk ash	Mrs.Ashwini R Patil	IJESI	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Partial replacement of cement with waste paper sludge in addition with activated charcoal powder	Mahesh V Tatikonda, Sudhanshu Pathak	International Journal of Scientific & Technology Research	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
A review on Partial replacement of Cement with waste paper sludge powder	Mahesh V Tatikonda, Sudhanshu Pathak	International Journal of recent trends in Engineering and Research	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
To plan and design rain water harvesting system for D Y patil college of Engineering, Akurdi	Sudhanshu Pathak	International Journal of Scientific research in Engineering and Management	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Studying supplementary cementitious material for partially replacing cement	Sudhanshu Pathak	International Journal of Scientific application in research and technology	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
A review on use of ceramic waste as coarse Aggregate replacement in concrete	Col. B. K. Bhonde	IJRTER	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Manufacturing and Testing of Paver Block Using Molten waste plastic	Subhashini Ramteke	IJSART	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Use of Bottom Ash as Road Construction Material: Geotechnical Perspective	Mr. Mukund P Chougale	IRJET	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Design of MSW landfill with reference to PCMC area requirement	Mr. Mukund P Chougale	IJSREM	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Treatment to MuthaRier using Baffle Walls	Ms. Bhagyashri D. Pardeshi	IJSREM	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Impact Of Non Plastic Fines Content On Shear Strength Of Soil.	Ms Aarti Hiremath	IJTRD	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0

Behaviour of Confined Aggregate Concrete(The reuse of Waste Tire Tread Cylinders for Confined Aggregate Concrete)	Ms Aarti Hiremath	IJTRD	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Case Study Of Tuned Mass Damper At Taipei World Financial Center, Taiwan	Mr. Sagar Katwa	IJSREM	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Live Study Of Uplifting Of Ground Water In College Campus	Mr. Hardik S Mandwe	IJARIEE	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Cost Analysis and Comparative Study of Different Types of Retaining Wall	Mrs.Ashwini Satyajit Nangre	IJRASET	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Application of Earned Value Analysis For Residential Project	Mr. Akash Charbhe	IJSART	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Experimental study of Behaviour of Polymer Modifies Concrete	Mr. Akash Charbhe	IJRESM	2019	NA	D.Y.Patil College of Engineering, Akurdi Pune	0
Reusability of construction &demoliton waste in bricks	Ms. Savita Magadam	International Research Journal of Engineering and Technology	2019	NA	D.Y.Patil College of Engineering, Akurdi Pune	0
Use of Plastic waste in Road construction for sustainable development	Mr. Avadhut Kulkarni	IJRASET	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Reuse of Waste Demolished Concrete Aggregate and Study Its Properties	Mrs Sneha K Sawant	IJARIEE	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Ground Water Recharging by Semi-filtered Sewage and Runoff	Mrs. Supriya Patil	IJRASET	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
A Review on enhancing the water resistance property of gypsum	Mr. Sunil J. Payghan	IJRESM	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0

Study on Earth Pressure reduction techniques for high raised retaining walls	Mr.KailashBirdar	IRJET	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Landslide Zonation mapping and risk management studies in TamhiniGhat Section	Mr.KailashBirdar	IRJET	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Autonomous RC Car Using Neural Network and Deep Learning	Mrs. Amita Jajoo, Niket Bhatambare, Anup Kalyanshetty, Akarsh Kapsi	International Journal of Innovative Research in Computer and Communication Engineering	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Secure Data Aggregation in WSN for minimizing attacker's impact	Kalyan Bamane	International Journal of Pure and Applied Mathematics	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Survey on Detection and Prevention of Intrusion	Deepali Rane, Shraddha Shelar, Vinod Mane	International journal of Trend in scientific research and development	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Restro Villa	Ashish Saxena	IERJ	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Indian railway system monitoring regards passenger allocation and reservation	Ashish Saxena	IJAERD	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Restro Directeur- App based restaurant management system	Ashish Saxena	IJMTE	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
chat bots-A nobel approach for hci using AI	Ashish Saxena	IJSRD	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Smart Camera Surveillance System: A New Approach to Implement Technical Institute Students Attendance System	Vinod Mane, Deepali Rane,Ashwini Abhale	International journal of Trend in scientific research and development	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Efficient XML Retrieval Using Compression Techniques	Deepali Rane, Gajanan P. Babhulkar	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0

Enhancing Security Levels at ISP Server Using Multiple Security Techniques with Proposed Crypto Application	Shraddha Shelar	IJETI	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Study of Various Reliable routing Protocols in VANET's Urban Environment	Shraddha Shelar	IJTRD	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Reducing efforts in Healthcare System using Secure Database	Shraddha Shelar	IJTRD	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Study of Various Reliable routing Protocols in VANET's Urban Environment	Ashwini Abhale ,Vinod Mane	IJTRD	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Advance & Integrated technique for Eye gaze and Sclera detection	Ekta M. Choudhari	IEEE	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Survey On Various Routing Protocols For Effective Bandwidth Optimization in Manet	Ekta M. Choudhari	IJSAE	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
A Survey To Improve Quality Of Service For Mobile Ad Hoc Networks	Ekta M. Choudhari	IJSAE	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Fuzzy Based Adaptive Two Phase Traffic Signal Controller	Gajanan P. Babbhulkar	International Conference On Emerging Trends In Engineeering and Technology on Information Security and Analytics	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Advance & Integrated technique for Eye gaze and Sclera detection	Ekta M. Choudhari	2nd International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC) 2018	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Rubrics tool for assessing Student Learning	Rajasree R S, Vishnupriya G S, Amita Jajoo	National Symposium on Innovations in Teaching Learning Process	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0

Survey of Ancient Vedic Mathematics Techniques used in Computer	Ashwini Abhale, Vinod Mane, Kalyan Bamane	NCRITSI 2K19 Conference	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
An Online Signature Exchange Protocol for Contract Signing Using Dynamic Signature	Rajasree RS	NCRITSI 2K19 Conference	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Water Quality Monitoring Using MQTT Algorithm with IoT	Mr. Gajanan P. Babhulkar, Mr. Niket Bhatambre	NCRITSI 2K19 Conference	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
A survey on Bitcoin -The Blockchain	Mrs. Sonam Patil, Mrs. Arati Gaikwad	NCRITSI 2K19 Conference	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Design and Analysis of Multisource Logs Forensic with Lock Technique for Cloud Security Enhancement	Mr. K. D. Bamne	International Journal of Innovative Technology and Exploring Engineering	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
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Data Mining Technology with Fuzzy Logic, Neural Networks and Machine Learning	Dr. Preeti S. Patil	ICDMAI 2018	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Improving Source Code Encryption Using Proposed Cipher Logic	Mrs. Shraddha T. Shelar	International Journal Of Computer Sciences And Engineering O	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
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Secure Data aggregation in wireless sensor network filtering out the attackers impact	Ms. Arti S. Gaikwad	International conference on Advances in Computer Technology & Management-2018	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0

An Efficient Nearest Keyword Set Search in Multi-dimensional Datasets	Mr. A.J.Patankar	International Conference on Advances in Computer Technology and Management (ICACTM) 2018	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Advance & Integrated technique for Eye gaze and Sclera detection	Ms. Ekta Choudhari	International Conference On I-SMAC (IoT in Social, Mobile, Analytics and Cloud) 2018	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
A Survey To Improve Quality Of Service For Mobile Ad Hoc Networks	Ms. Ekta Choudhari	International Journal Of Scientific Research And Education	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Survey On Various Routing Protocols For Effectivfe Bandwidth Optimization in Manet	Ms. Ekta Choudhari	International Journal Of Scientific Research And Education	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Certain Investigations on the Detection of Brain Tumors Using SVM and PCA	Rajasree RS	International Conference on Computing Control and Automation	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Traffic Police Management using QR Code	Ms . Pranjali Yadav-Deshmukh	International Journal for scintific reserch and development	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Drive now text later nointrusion texting	Ms . Pranjali Yadav-Deshmukh	International Journal for scintific reserch and development	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
scored based online hostel management system	Ms . Pranjali Yadav-Deshmukh	International Journal for scintific reserch and development	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Detection of Malicious Attacks in Big Data	Mrs. Madhuri Gurale	International Journal of Innovative Research and Development	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Feature Selection Approach for Sentiment Analysis using Machine Learning	Pranjali Yadav, Mrs. Madhuri Gurale	National Journal of Computer & Applied Science	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0

PhishX:An Android Mobile App for Phishing Attack Detection Through Delusory Login Simulation	Mrs. Parvati Bhadre	International Journal of Research in Advent Technology (IJRAT) Special Issue, National Cogerece on "Role of Information Technology in Social Innovations"	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Digital Image Processing Techniques in Character Recognition & Historical Document Preservation	Mrs. Parvati Bhadre, Rajasree R. S.	National Journal of Computer & Applied Science	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Distributed Image Processing using Different Techniques in Hadoop	Mrs. Parvati Bhadre, Vishnupriya G. S	International Journal of Emerging Technology & Computer Science	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Survey on Rough Set Theory in Medical Field: Segmentation & Data Analysis	Mrs. Parvati Bhadre, Vishnupriya G. S	National Journal of Computer & Applied Science	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Social Innovation in Education System by using	Vinod Mane	International Journal of Innovative Technology and	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Robotic Process Automation (RPA)	Preeti patil	Exploring Engineering		0	D.Y.Patil College of Engineering, Akurdi Pune	0
Social Innovation through Precision Farming: An IoT Based Precision Farming System for Examining and Improving Soil Fertility and Soil Health	Dr.Preeti patil	International Journal of Innovative Technology and Exploring Engineering	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
“iParker: Android Based Parking system	Dr.Preeti patil	International Journal of Research in Advent Technology	2018	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Intelligent Street Lights	Dr. Preeti patil	International Journal for Research in Applied Science &Engineering Technology	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Android Based Parking Allotment, Pre-Booking And Management System.	Dr. Preeti patil	International Journal for Scientific Research and Development	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0

Bhat"Study of Dynamic Storage System for Smart Parking	Dr. Preeti patil	International Journal for Scientific Research & Development	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Secure Web Based Health Care System Using Homomorphic Encryption	Dr. Preeti patil	International Journal of Research in Advent Technology	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0
Security of Health Related Sensitive Data using Modern Cryptography	Dr. Preeti patil	International Journal of Innovative Science and Research Technology	2019	0	D.Y.Patil College of Engineering, Akurdi Pune	0

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	31	112	19	165
Presented papers	26	23	13	11
Resource persons	10	8	12	40

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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
Two days Training Programme on Faecal Sludge Management	Unity Knowledge LLP	8	125
ISTRUCTE and Student Engagement	IStructE, London	35	250
TEDx Event	TEDx Event USA	4	100
Yoga day	Art of Living	4	15
Jal Shakti Abhiyan (GOI initiative)	Shree Bhairavnath Vidyalaya, Vanpuri, Purandar, Pune	4	37
Donation Drive	ZEP foundation, Pune	5	100
Donation for Flood Affected people in Kolhapur area	NSS	12	100
Tree Plantation and Sapling preparation	NSS Along with Nisargraja Mitra Jiwanche	2	102

h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Influence of Flow Velocity and nutrient availability on microbially mediated reduction of erosion susecptability of Sand	Dr. Saswati Datta	Lecture Notes in Civil Engineering, Springer	2019	1	0	D. Y. Patil College of Engineering, Akurdi Pune
Review and Analysis of Zero, One and Few Shot Learning Approaches	Suvarna kadam	Intelligent Systems Design and Applications	43556	1	0	Department Of Technology, SSPU
Study of PEM Fuel Cell End Plate Design by Structural Analysis Based on Contact Pressure	Dr. Tapobrata Dey	Journal of Energy	43466	8	0	D. Y. Patil College of Engineering, Akurdi Pune
Heat Transfer Performance Analysis of Screen Mesh Wick Heat Pipe Using CuO Nano Fluid	Dr. Tapobrata Dey	European Journal of Sustainable Development Research	2018	8	0	D. Y. Patil College of Engineering, Akurdi Pune
Investigation and Optimization of Process Parameters in Electrical Discharge Machining (EDM) Process for NiTi 60	Mahendra U Gaikwad, Krishnamoorthy A and Vijaykumar S Jatti	Materials Research Express	43525	6	1	D. Y. Patil College of Engineering, Akurdi Pune
Experimentation & CFD Analysis of Intercooler Fins in Two Stage Reciprocating Air Compressor	Gayatri J Kale, Pravin T. Nitnaware,	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN: 2278-3075, Volume-8, Issue-10, August 2019	2	0	D. Y. Patil College of Engineering, Akurdi Pune
Effects of CNG Injection Pressure on Performance, Emission and Combustion Characteristics of Multi-cylinder SI Engine	Nakul N. Bhange, Pravin T. Nitnaware,	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878, Volume-8, Issue-3, September 2019	2	0	D. Y. Patil College of Engineering, Akurdi Pune
Additives For Scum Reduction In Biogas Plant : A Simplified Testing Methodology	Shyamsing Thakur, Rahul Barjibhe, P. T. Nitnaware, Parag B. Jawanjal, Darshan Suryawanshi	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN: 2278-3075, Volume-8 Issue-11, September 2019	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Modelling of SAW Parameters and Its Mechanical Properties for Joining Structural Steels	Kishor Purushottamrao Kolhe, Rahul Kumar Hingole, Sachin Borse,, Ramesh Rudrapati	International Journal of Polymer Science and Engineering,	eISSN: 2455-8745Dec2018	1	0	D. Y. Patil College of Engineering, Akurdi Pune
Experimental Investigation and Analysis of Electrochemical Discharge Machining (ECDM) on fiberglass reinforced plastic (FRP)	Maneetkumar R Dhanvijay, Vinay A Kulkarni, Akshay Doke	Journal of Institution of Engineers (India): Series C	2250-0545	1	0	D. Y. Patil College of Engineering, Akurdi Pune
Surface Plate Based Method for Quick Check CMM Accuracy Measurement	Vinay A Kulkarni, Abu Momin	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN:2278-3075(Online)	1	1	D. Y. Patil College of Engineering, Akurdi Pune
PFuzzyACO: Fuzzy based optimization approach for energy aware cluster head selection in WSN	Dr. Mrs. P. Malathi	Journal of Internet Technology	2018	1	1	D. Y. Patil College of Engineering, Akurdi Pune
Multipath data transmission in WSN using exponential cat swarm and Fuzzy optimization	Dr. Mrs. P. Malathi	IET communications	2018	1	1	D. Y. Patil College of Engineering, Akurdi Pune

Spectrum sensing in cognitive radio using Actor-Critic Neural Network with Krill herd Whale optimization algorithm	Dr. Mrs. P. Malathi	Wireless personal communications	2019	10	0	D. Y. Patil College of Engineering, Akurdi Pune
Removal of Impulsive Noise From Long Term Evolution Handset	Dr. D.G.Khairnar	Advances in Intelligent Systems and Computing	2019	3	0	D. Y. Patil College of Engineering, Akurdi Pune
A 2048-point Split-Radix FFT using Radix-4 Butterfly Units	Dr. Manish Sharma	International Journal of Recent Technology and Engineering (IJRTE)	2019	2	0	D. Y. Patil College of Engineering, Akurdi Pune
Intelligent Radio Resource Scheduling for LTE-Advanced using Wavelet Neural Network	Dr. Manish Sharma	International Journal of Recent Technology and Engineering (IJRTE)	2019	2	0	D. Y. Patil College of Engineering, Akurdi Pune
Autonomous RC Car Using Neural Network and Deep Learning	Mrs. Amita Jajoo, Niket Bhatambare, Anup Kalyanshetty, Akarsh Kapsi	International Journal of Innovative Research in Computer and Communication Engineering	2018	1	0	D. Y. Patil College of Engineering, Akurdi Pune
Secure Data Aggregation in WSN for minimizing attacker's impact	Kalyan Bamane	International Journal of Pure and Applied Mathematics	2018	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Survey on Detection and Prevention of Intrusion	Deepali Rane, Shraddha Shelar, Vinod Mane	International journal of Trend in scientific research and developemnt	2018	1	0	D. Y. Patil College of Engineering, Akurdi Pune
Restro Villa	Ashish Saxena	IERJ	2018	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Indian railway system monitoring regards passenger allocation and reservation	Ashish Saxena	IJAERD	2018	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Restro Directeur- App based restaurant management system	Ashish Saxena	IJMTE	2018	0	0	D. Y. Patil College of Engineering, Akurdi Pune
chat bots-A nobel approach for hci using AI	Ashish Saxena	IJSRD	2018	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Smart Camera Surveillance System: A New Approach to Implement Technical Institute Students Attendance System	Vinod Mane, Deepali Rane,Ashwini Abhale	International journal of Trend in scientific research and developemnt	2018	1	0	D. Y. Patil College of Engineering, Akurdi Pune
Efficient XML Retrieval Using Compression Techniques	Deepali Rane, Gajanan P. Babhulkar	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2018	1	0	D. Y. Patil College of Engineering, Akurdi Pune
Enhancing Security Levels at ISP Server Using Multiple Security Techniques with Proposed Crypto Application	Shraddha Shelar	IJETI	2018	1	0	D. Y. Patil College of Engineering, Akurdi Pune
Study of Various Reliable routing Protocols in VANET's Urban Environment	Shraddha Shelar	IJTRD	2018	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Reducing efforts in Healthcare System using Secure Database	Shraddha Shelar	IJTRD	2018	1	0	D. Y. Patil College of Engineering, Akurdi Pune
Study of Various Reliable routing Protocols in VANET's Urban Environment	Ashwini Abhale ,Vinod Mane	IJTRD	2018	2	0	D. Y. Patil College of Engineering, Akurdi Pune
Advance & Integrated technique for Eye gaze and Sclera detection	Ekta M. Choudhari	IEEE	2018	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Survey On Various Routing Protocols For Effective Bandwidth Optimization in Manet	Ekta M. Choudhari	IJSAE	2018	0	0	D. Y. Patil College of Engineering, Akurdi Pune

A Survey To Improve Quality Of Service For Mobile Ad Hoc Networks	Ekta M. Choudhari	IJSAE	2018	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Fuzzy Based Adaptive Two Phase Traffic Signal Controller	Gajanan P. Babhulkar	International Conference On Emerging Trends In Engineering and Technology on Information Security and Analytics	2018	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Traffic Congestion Index and Level Estimation Using Two Phase Fuzzy Controller	Gajanan P. Babhulkar	International Conference On Emerging Trends In Engineering and Technology on Information Security and Analytics	2018	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Advance & Integrated technique for Eye gaze and Sclera detection	Ekta M. Choudhari	2nd International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC) 2018	2018	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Rubrics tool for assessing Student Learning	Rajasree R S, Vishnupriya G S, Amita Jajoo	National Symposium on Innovations in Teaching Learning Process	2018	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Survey of Ancient Vedic Mathematics Techniques used in Computer	Ashwini Abhale, Vinod Mane, Kalyan Bamane	NCRITSI 2K19 Conference	2019	0	0	D. Y. Patil College of Engineering, Akurdi Pune
An Online Signature Exchange Protocol for Contract Signing Using Dynamic Signature	Rajasree RS	NCRITSI 2K19 Conference	2019	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Water Quality Monitoring Using MQTT Algorithm with IoT	Mr. Gajanan P. Babhulkar, Mr. Niket Bhatambre	NCRITSI 2K19 Conference	2019	0	0	D. Y. Patil College of Engineering, Akurdi Pune
A survey on Bitcoin -The Blockchain	Mrs. Sonam Patil, Mrs. Arati Gaikwad	NCRITSI 2K19 Conference	2019	1	0	D. Y. Patil College of Engineering, Akurdi Pune
Design and Analysis of Multisource Logs Forensic with Lock Technique for Cloud Security Enhancement	Mr. K. D. Bamne	International Journal of Innovative Technology and Exploring Engineering	2019	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Use of data mining technology in agricultural sustainable development	Dr. Preeti S. Patil	International Journal of Creative Research Thoughts	2018	1	0	D. Y. Patil College of Engineering, Akurdi Pune
Data Mining Technology with Fuzzy Logic, Neural Networks and Machine Learning	Dr. Preeti S. Patil	ICDMAI 2018	2018	1	0	D. Y. Patil College of Engineering, Akurdi Pune
Improving Source Code Encryption Using Proposed Cipher Logic	Mrs. Shraddha T. Shelar	International Journal Of Computer Sciences And Engineering O	2019	0	0	D. Y. Patil College of Engineering, Akurdi Pune
A Review On Globlize Internet Of Things(Iot) And Applications	Mr. Gajanan P. Babhulkar	International Journal Of Innovative Research In Computer And Communication Engineering	2018	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Secure Data aggregation in wireless sensor network filtering out the attackers impact	Ms. Arti S. Gaikwad	International conference on Advances in Computer Technology & Management-2018	2018	1	0	D. Y. Patil College of Engineering, Akurdi Pune

An Efficient Nearest Keyword Set Search in Multi-dimensional Datasets	Mr. A.J.Patankar	International Conference on Advances in Computer Technology and Management (ICACTM) 2018	2018	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Advance & Integrated technique for Eye gaze and Sclera detection	Ms. Ekta Choudhari	International Conference On I-SMAC (IoT in Social, Mobile, Analytics and Cloud) 2018	2019	0	0	D. Y. Patil College of Engineering, Akurdi Pune
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Drive now text later nointrusion texting	Ms . Pranjali Yadav-Deshmukh	International Journal for scientific reserch and development	2019	0	0	D. Y. Patil College of Engineering, Akurdi Pune
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Feature Selection Approach for Sentiment Analysis using Machine Learning	Pranjali Yadav, Mrs. Madhuri Gurale	National Journal of Computer & Applied Science	2019	0	0	D. Y. Patil College of Engineering, Akurdi Pune
Social Innovation in Education System by using Robotic Process Automation (RPA)	Vinod Mane, Dr.Preeti patil	International Journal of Innovative Technology and Exploring Engineering	2019	5	0	D. Y. Patil College of Engineering, Akurdi Pune
Social Innovation through Precision Farming: An IoT Based Precision Farming System for Examining and Improving Soil Fertility and Soil Health	Dr.Preeti patil	International Journal of Innovative Technology and Exploring Engineering	2019	5	0	D. Y. Patil College of Engineering, Akurdi Pune

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Intelligent Street Lights	Dr. Preeti patil	International Journal for Research in Applied Science &Engineering Technology	2019	5	0	D. Y. Patil College of Engineering, Akurdi Pune
Android Based Parking Allotment, Pre-Booking And Management System.	Dr. Preeti patil	International Journal for Scientific Research and Development	2019	5	0	D. Y. Patil College of Engineering, Akurdi Pune
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Secure Web Based Health Care System Using Homomorphic Encryption	Dr. Preeti patil	International Journal of Research in Advent Technology	2019	5	0	D. Y. Patil College of Engineering, Akurdi Pune
Security of Health Related Sensitive Data using Modern Cryptography	Dr. Preeti patil	International Journal of Innovative Science and Research Technology	2019	5	0	D. Y. Patil College of Engineering, Akurdi Pune
Data Mining Technology with Fuzzy Logic, Neural Networks and Machine Learning for Agriculture	Dr. Preeti patil	ICDMAI	2018	5	0	D. Y. Patil College of Engineering, Akurdi Pune

Seminar on Business management Behavior and Business management	Sintex BAPL Ltd.Ahmedabad	33	200
Seminar on Innovation and Research	IITM, Pune	33	200
PC Awareness and Internet session and Soft skill Session by the engineering students to school students	Information Technology DYPCOE Akurdi and Z P PrathmikShala, Kurwande, Lonavala, DistPune Sojar Vidyalay Lonavala	4	40
Gunnies World Record	NSS	1	60
Nirmal Wari Abhiyan	NSS	1	52
Tree Plantation	NSS Along with Nisargraja Mitra Jiwanche	2	62
Nirmalya Collection on Ganpati Visarjan	NSS	1	53
Guest Lecture on Social Awareness	NSS	1	57
Food and Nutrient Education in Slum area	NSS	1	50
Cleaning and Poster Rally	NSS	1	52

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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
Project Spsorship by SKODA	10 Projects	SKODA	42
Guinness World Records Nirmal wari abhiyan	Participation in Guinness World Record	Savitribai Phule Pune University National Service Scheme	60

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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
Social Activity	Institute	Food distribution for homeless on the occasion of teachers day by ACES Team	3	30
Jal Shakti Abhiyan	Shree. Bhairavnath Vidyalaya, Vanpuri, Purandar, Pune	Jal Shakti Abhiyan	4	37
Water Olympiad	Rotary Club Singhgad Road	Water Olympiad	6	20
Social Activity	Information Technology DYPCOE Akurdi and Z P PrathmikShala, Kurwande, Lonavala, DistPune Sojar Vidyalay Lonavala	PC Awareness and Internet , Soft skill Session by the engineering students to school students	4	40
Computer Engineering Students Association	ZEP foundation, Pune	Donation Drive	5	100
NSS	NSS	Donation for Flood Affected people in Kolhapur area	12	100
Swatch Bharat Abhiyan	NSS	Cleaning	1	80
Swatch Bharat Abhiyan in Khane Village	NSS	Cleaning	1	50
Awareness	NSS	Street Play on addiction awareness in Village	1	25
Swatch	Sankalp Student forum	Cleaning	0	1

Bharat Abhiyan				
Social Service	Robinhood Army	Distribution of food in slum areas	0	1

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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
Industry Research Grant	Dr Vinay Kulkarni	Microstar Gauging and Technologies	365

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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	Internship	Kimaya Automation	01/06/2019	15/06/2019	11
Internship	Internship	Auto cluster development and research institute	17/12/2018	26/12/2018	1
Internship	Internship	Indain Railways, Diesel Loco shed, Ghorpuri, Pune	14/12/2018	29/12/2018	1
Internship	Internship	JK Files (India) Limited	19/12/2018	02/01/2019	1
Internship	Internship	Ndt Metal Solution Laboratory	15/12/2018	25/12/2018	1
Internship	Internship	Ramkrishna Forgings Limited	17/12/2018	31/12/2018	1
Internship	Internship	SANTOSH ENTERPRISES	17/12/2018	31/12/2018	1
Internship	Internship	Sealtech company	17/12/2018	03/01/2019	5
Internship	Internship	VTP Realty	25/05/2019	25/06/2019	2
Internship	Project	ATL Founation, Katraj, Pune	21/08/2019	21/09/2019	1
Internship	Project	GAIT (International Team) JTP	01/09/2019	30/09/2019	4

Internship	Project	Weblabs Solutions	12/07/2019	12/08/2019	2
Internship	Project	TATA Motors	01/08/2019	30/08/2019	1
Internship	Project	Minda Softwares	01/06/2019	30/08/2019	1
Internship	Project	Elite Software Pvt Ltd	01/07/2019	20/12/2019	13
Internship	Project	Softcell Technologies	01/01/2019	30/04/2019	2
Internship	Project	Altimetrik	16/01/2019	10/04/2019	1
Internship	Project	Evosys	15/02/2019	15/03/2019	1
Internship	Project	Mindbrowser	01/01/2019	30/04/2019	4
Internship	Project	Icertis	11/01/2019	28/04/2019	2
Internship	Project	IBM Core	12/12/2018	10/03/2019	1
Internship	Project	AI with IoT	10/12/2018	12/02/2019	3
Internship	Project	HackersEra	10/01/2019	28/02/2019	4
Industry linkage through NATS	Industrial Inplant Training	Thermax Ltd.	15/12/2018	15/06/2019	8
Industry linkage through NATS	Industrial Inplant Training	Divgi Torq Transfer Systems Pvt. Ltd.	15/12/2018	15/06/2019	4
Industry linkage through NATS	Industrial Inplant Training	Kores India Ltd.	15/12/2018	15/06/2019	4
Industry linkage through NATS	Industrial Inplant Training	Atlas Copco India Ltd.	15/12/2018	15/06/2019	2
Industry linkage through NATS	Industrial Inplant Training	Godrej Boyce Mfg. Co. Pvt. Ltd.	15/12/2018	15/06/2019	2
Industry linkage through NATS	Industrial Inplant Training	Forbes Marshall Pvt. Ltd.	15/12/2018	15/06/2019	1

Industry linkage through NATS	Industrial Inplant Training	Greaves Cotton Ltd.	15/12/2018	15/06/2019	2
Industry linkage through NATS	Industrial Inplant Training	Sandvik Asia Pvt. Ltd.	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	Shri Ganesh Industries	15/12/2018	15/06/2019	3
Industry linkage through NATS	Industrial Inplant Training	Siemes India Ltd.	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	ACG Associated Capsules Pvt. Ltd.	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	Mahindra Vehicles Pvt. Ltd.	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	Aker Solutions	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	ADF Engineering Pvt. Ltd.	15/12/2018	15/06/2019	6
Industry linkage through NATS	Industrial Inplant Training	Pilot Fluid Technologies, Pimpri	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	Durasign Corporation	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	Lear Corporation	15/12/2018	15/06/2019	1

Industry linkage through NATS	Industrial Inplant Training	Asset Engineering Pvt. Ltd.	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	Vedant Industries	15/12/2018	15/06/2019	2
Industry linkage through NATS	Industrial Inplant Training	TVS Logistics Pvt.Ltd.	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	Yazaki India Pvt. Ltd.	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	Laxminarayan Moulding Industries	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	SealTek industries Pvt. Ltd.	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	Silyf Industries Pvt. Ltd.	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	KP Industries	15/12/2018	15/06/2019	2
Industry linkage through NATS	Industrial Inplant Training	Parason Machinery India Pvt. Ltd.	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	A. B. Engineers	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	Kailas Vahan Udyag Pvt. Ltd.	15/12/2018	15/06/2019	1

Industry linkage through NATS	Industrial Inplant Training	Pressco Fab Industries	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	Creative Components Pvt. Ltd.	15/12/2018	15/06/2019	1
Industry linkage through NATS	Industrial Inplant Training	Sai Krupa Industries	15/12/2018	15/06/2019	1

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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
Gauss and Riemann Scientific, Pune	02/08/2018	Internship	10
TechMainstay Software Pvt Ltd,	03/08/2018	Internship	10
Tectiq Technology Pvt. Ltd, Pune	03/08/2018	Technical training and project training	25
MMG Infotech.in	03/08/2018	Technical training and project training	10
Samarthview Global Edutech LLP Technologies, Pune	01/08/2018	Internship	24
Wisdom Sprouts	03/08/2018	Technical training and project training	10
Mass Technologies	01/08/2018	Technical training and project training	15
Hackers Era	01/02/2019	Security	15
Alter Techsoft Pvt Ltd	03/08/2018	Technical training and project training	20

ProgreDior Softwares Solutions Pvt Ltd	27/08/2018	Internship	25
Mahindra CIE Automotive Ltd.	16/07/2018	Inplant Training	1
Shreyash Tools Components	27/07/2018	Inplant Training	1
Tekpro Systems	27/07/2018	Inplant Training	1
Rotech Engineers	16/07/2018	Inplant Training	1
Aman Stampings Pvt. Ltd.	28/07/2018	Inplant Training	1
Fabritek Equipments Pvt. Ltd.	26/07/2018	Inplant Training	1
OFMAP Solutions Pvt. Ltd.	26/07/2018	Inplant Training	1
Vignahartha Industries	16/07/2018	Inplant Training	1
Pranav Industries	26/07/2018	Inplant Training	1
Protech Stampings Pvt. Ltd.	26/07/2018	Inplant Training	1
Manthan Industries	14/07/2018	Inplant Training	1
A.G. Enterprises Pvt. Ltd.	24/07/2018	Inplant Training	1
Param CadCam Solutions	20/07/2018	Inplant Training	1
Thermax Ltd.	27/07/2018	Inplant Training	1
. BBM Acoustic Pvt. Ltd.	24/07/2018	Inplant Training	1
VINSYS IT Services Pune	23/07/2019	Skill Development Program Internships	102
Itrix Computer Services Pvt. Ltd.	14/07/2018	1) Workshops/ Guest Lectures on Web Development 2) Internship	109
Avirat Infotech	14/07/2018	1) Internship 2) Project Guidance 3) Sponsorship	7
Itechno Infotech	14/07/2018	1) Internship 2) Training 3) Project Guidance (at their location)	11
Parth Infotech	14/07/2018	1) Training 2) Internships	37
Helpdesk	14/07/2018	Guest Lectures	30

KM Digital Wave Techno Solutions	14/07/2018	1) Internship 2) Sponsorship	1
Codezeven Software Pvt. Ltd	14/07/2018	1) Expert Talks 2) Workshops	32
Protocol Incorporation	14/07/2018	1) Internship 2) Sponsored projects	58
Pure Technology	14/07/2018	1) Internship 2) Sponsored projects	54
SysteLe solutions Pvt. Ltd.	14/07/2018	1) Expert lectures 2) Internship	35
Probus Software Pvt. Ltd.	14/07/2018	1) Internship 2) Guest lecture.	91
SpringJaunter Technologies	14/07/2018	Internship	10
GigIndia	14/07/2018	1) Internship 2) Guest Lecture	46
Oppulent Infotech Pvt. Ltd.	14/07/2018	1) Internship 2) Expert Lecture	99
KULI	12/12/2018	Staff/Students trainings, projects	38
Aagnya Trainings	17/07/2018	Geust Lecture, Seminar	123
TPF Engineering Pvt Ltd	19/07/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	7
SSLondhe and Associate	19/07/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	5
Construction Excellence Testing and research	20/07/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	4
Green Earth	20/07/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	5
Inavit Structural Consultants	20/07/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	5
Know How School	20/07/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	55
Veracity Structural Consultancy	31/07/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	100
Swara Groups	31/07/2018	Internship, Expert Lecture,	5

		Sponsored Project, Site Visit	
SAI CAD Centre, Shubtej Infotech	30/07/2019	Internship, Expert Lecture, Sponsored Project, Site Visit	3
IFS Academy	02/07/2019	Internship, Expert Lecture, Sponsored Project, Site Visit	3
Construction Diagnostic Centre Pvt Ltd	09/07/2019	Internship, Expert Lecture, Sponsored Project, Site Visit	400
Constrologix Engg and Research Services Pvt. Ltd	22/08/2019	Internship, Expert Lecture, Sponsored Project, Site Visit	5
Aegis school of Data Science	02/07/2018	Technical training and project training	20
Arena Animation, Akurdi Pune	01/08/2018	Technical training and project training	15
Connect2Tech	01/08/2018	Technical training and project training	10
Accucia softwares	02/08/2018	Technical training and project training	10
Gauss and Riemann Scientific, Pune	02/08/2018	Internship	10
TechMainstay Software Pvt Ltd,	01/08/2018	Internship	10
Tectiq Technology Pvt. Ltd, Pune	03/08/2018	Technical training and project training	25
MMG Infotech.in	03/08/2018	Technical training and project training	10
Samarthview Global Edutech LLP Technologies, Pune	01/08/2019	Internship	24
Wisdom Sprouts	03/08/2018	Technical training and project training	10
Mass Technologies	01/08/2018	Technical training and project training	15
Hackers Era	01/02/2019	Security	15
Alter Techsoft Pvt Ltd	01/08/2018	Technical training and project	20

		training	
ProgreDior Softwares Solutions Pvt Ltd	27/08/2018	Internship	25
Govardhan Anusandhan Kendra	31/07/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	4
Lotus Infrastructure	31/07/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	5
Sanjiwani Studios Consulting Engineers and Designers	01/08/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	50
SOHA Technologies Pvt Ltd	01/08/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	5
MD Consultants	03/08/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	100
Strong Tech Engineering Services and Research Pvt Ltd	07/08/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	4
Zoom Software	16/08/2019	Internship, Expert Lecture, Sponsored Project, Site Visit	7
Technovision Consultant	16/08/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	5
SAI CAD Centre	16/08/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	4
Descon Engineers	28/08/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	5
Sikachi The Place Maker ,Pune	28/08/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	4
Tech Yuga Structural Solution Pvt. Ltd	28/08/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	5
Jkumar Infrastructure Project Ltd	30/08/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	5
AUM Technologies	03/09/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	5

Viraj Envirozing India Pvt. Ltd., Sister concern Viraj Paryavaran Prashala	04/09/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	5
Shivraj Construction	04/09/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	5
Competitive Education Hub	13/12/2018	Internship, Expert Lecture, Sponsored Project, Site Visit	3
Milestone Consultants	11/01/2019	Internship, Expert Lecture, Sponsored Project, Site Visit	3
BLUE PRINTS DESIGN	29/03/2019	Internship, Expert Lecture, Sponsored Project, Site Visit	3
ZERTON Engineering Services Pvt. Ltd.	20/06/2019	Internship, Expert Lecture, Sponsored Project, Site Visit	3
The Heights	27/06/2019	Internship, Expert Lecture, Sponsored Project, Site Visit	3

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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
61316376	42115548

4.1.2 - Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Seminar Halls	Existing

Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Others	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing

[View File](#)

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
KOHA LMS	Fully	3.20.02.000	2015

4.2.2 - Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	36505	10252472	135	0	36640	10252472
Reference Books	2885	8180166	92	0	2977	8180166
e-Books	2082	600000	0	0	2082	600000
Journals	0	0	0	0	0	0
e-Journals	5052	2097272	4545	198240	9597	2295512
Digital Database	5	0	1	0	6	0
CD & Video	6929	0	0	0	6929	0
Library Automation	1	0	0	0	1	0
Weeding (hard & soft)	1182	0	0	0	1182	0
Others (specify)	0	0	0	0	0	0

Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	31580 Sq. Mtr	Nil
Class rooms	36 No.s	Nil
Laboratories	67 No.s	1 No.
Seminar Halls	2 No.s	Nil
Classrooms with LCD facilities	36 No.s	Nil
Classrooms with Wi-Fi/ LAN	36 No.s	Nil
Seminar halls with ICT facilities	2 No.s	Nil
Video Centre	-	1 No.
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	-	40 Computer Department
		37 IT Department
		4 Remote Centre
		Total: 81
Value of the equipment purchased during the year (Rs. in Lakhs)	-	Rs. 1998920/- Computer Department
		Rs. 1793530/- IT Department
		Rs. 176820/- Remote Centre
		Total: Rs. 3969270/-
Others-Civil work		Rs. 93480
Remote Centre augmentation	-	Rs. 1238882

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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 !!!			

[View File](#)

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	869	28	1	0	1	27	7	100	0
Added	77	1	0	0	0	0	0	0	0
Total	946	29	1	0	1	27	7	100	0

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

100 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
Video Lectures by Faculty Members	https://www.dypcoeakurdi.ac.in/governance/igac

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
20771447	16152797	18935047	20925021

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)

E Content Developed by Faculty Members

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e – content
Mrs.Ashwini R Patil	Building Technology and Material	https://www.gnomio.com/	6/1/2019
Dr. B S Balapgol	Strength of Materials	https://www.gnomio.com/	6/1/2019
Mrs Aarti Hiremath	Geotechnical Engineering	https://www.gnomio.com/	6/1/2019
Ms. Bhagyashri D. Pardeshi	Surveying	https://www.gnomio.com/	6/1/2019
Mr. Narendra Sarbande	Engineering Mathematics - III	https://www.gnomio.com/	6/1/2019
Ms. Subhashini Ramteke	Surveying	https://www.gnomio.com/	6/1/2019
Mr. Mukund P Chougale	Geotechnical Engineering	https://www.gnomio.com/	6/1/2019
Prof Smita Pataskar	Building Technology & Materials	https://www.gnomio.com/	6/1/2019
Dr Saswati Datta	Geotechnical Engineering	https://www.gnomio.com/	6/1/2019
Mrs Rohini Khandelwal	Surveying	https://www.gnomio.com/	6/1/2019
Mr.Akash G.Charbhe	Structural Analysis II	https://www.gnomio.com/	6/1/2019
Mr Sudhanshu Pathak	Infrastructure Engineering & Construction Techniques	https://www.gnomio.com/	6/1/2019
Ms. Savita S. Magadam	STRUCTURAL DESIGN-I	https://www.gnomio.com/	6/1/2019
Mrs. Supriya Patil	Hydrology and Water Resource Engineering	https://www.gnomio.com/	6/1/2019
Mr Rajwardhan Patil	Fluid Mechanics-II	https://www.gnomio.com/	6/1/2019
Mr. Kailash Biradar	Infrastructure Engineering & Construction Techniques	https://www.gnomio.com/	6/1/2019
Mrs.Ashwini Satyajit Nangre	Structural Design -I	https://www.gnomio.com/	6/1/2019
Mahesh V taticonda	Structural Analysis II	https://www.gnomio.com/	6/1/2019
Ms. Bhagyashri D. Pardeshi	FM-II	https://www.gnomio.com/	6/1/2019
Mrs. S.Chakraborty	SD I	https://www.gnomio.com/	6/1/2019
Mr. Sagar Katwa	Structural Design and Drawing III	https://www.gnomio.com/	6/1/2019
Mr Sudhanshu Pathak	System Approach in Civil Engineering	https://www.gnomio.com/	6/1/2019
Dr. Tushar Bagul	Transportation Engineering	https://www.gnomio.com/	6/1/2019
Mrs. A R Chavan	Advanced Concrete Technology	https://www.gnomio.com/	6/1/2019
Dr Ashok B More	Environmental Engg-II	https://www.gnomio.com/	6/1/2019
Col B K Bhonde	ELE II:TQM&MIS in Civil engineering	https://www.gnomio.com/	6/1/2019
Mr. S. J. Mane	Environmental Engg-II	https://www.gnomio.com/	6/1/2019
Dr.Vinayak Kottawar	Data Structures and Algorithm	https://www.gnomio.com/	6/1/2019
Dr. Kailash Shaw	Database Mgt System	https://www.gnomio.com/	6/1/2019
Mrs. D. A. Phalke	High Performance Computing	https://www.gnomio.com/	6/1/2019
Mrs. V. L. Kolhe	Object Oriented Programming	https://www.gnomio.com/	6/1/2019
Mrs. S. T. Somvanshi	Software Engg and Project Mgmt	https://www.gnomio.com/	6/1/2019
	Data Analytics	https://www.gnomio.com/	6/1/2019
Mrs. D. M. Gohil	Computer Networks	https://www.gnomio.com/	6/1/2019
Mrs. Shanthi. K Guru	Digital Electronics and Logic Design	https://www.gnomio.com/	6/1/2019
Mrs. N. S. Patil	Data Mining and Warehousing	https://www.gnomio.com/	6/1/2019

Mrs. P. V. Ghaste	Information System and Engineering Economics	https://www.gnomio.com/	6/1/2019
Mr. Rahul Y. Pawar	Data Structures and Algorithm	https://www.gnomio.com/	6/1/2019
Mr. Rahul Ghotekar	Database Management system	https://www.gnomio.com/	6/1/2019
Ms. Vidya S. Thorat	Theory of Computation	https://www.gnomio.com/	6/1/2019
	Digital Electronics and Logic Design	https://www.gnomio.com/	6/1/2019
Mrs.Soniya Bastwade	Discrete Mathematics	https://www.gnomio.com/	6/1/2019
Mrs. Aditi Kalia	Object Oriented Programming	https://www.gnomio.com/	6/1/2019
	Artificial Intelligence & Robotics	https://www.gnomio.com/	6/1/2019
Ms. Vishakha Metre	Discrete Mathematics	https://www.gnomio.com/	6/1/2019
	Information Systems & Engineering Economics	https://www.gnomio.com/	6/1/2019
Mr. Suraj Kurde	Computer Organization & Architecture	https://www.gnomio.com/	6/1/2019
	Theory of Computation	https://www.gnomio.com/	6/1/2019
Mr. Pramod Deshmukh	Computer Organization & Architecture	https://www.gnomio.com/	6/1/2019
	Computer Networks	https://www.gnomio.com/	6/1/2019
Mr. Vivek T. Patil	Database Mgt System	https://www.gnomio.com/	6/1/2019
	STQA	https://www.gnomio.com/	6/1/2019
Ms.Pooja M.Deshpande	Data Analytics	https://www.gnomio.com/	6/1/2019
	Data Mining & Warehousing	https://www.gnomio.com/	6/1/2019
Mr.Jayant Shimpi	Software Testing & Quality assurance	https://www.gnomio.com/	6/1/2019
Ms.Neha Patil	High Performance Computing	https://www.gnomio.com/	6/1/2019
Ms. Bhagyashree Tingare	Software Engg and Project Mgmt	https://www.gnomio.com/	6/1/2019
Mrs.Manisha Rajput	https://seass19.gnomio.com	https://www.gnomio.com/	6/1/2019
	https://beacns19.gnomio.com		6/1/2019
Mrs. V. M. Lakshe (Bagal)	https://teamicrocontrollers19.gnomio.com	https://www.gnomio.com/	6/1/2019
	https://becns19.gnomio.com		6/1/2019
Mrs. Snehal Gaikwad	https://seade2019.gnomio.com	https://www.gnomio.com/	6/1/2019
	https://tebdc2019gnomio.com		6/1/2019
Mr. Yogesh Shirke	https://sebs19.gnomio.com	https://www.gnomio.com/	6/1/2019
	https://tebmechatronics19.gnomio.com		6/1/2019
Mrs. Aditi Chaudhuri	https://sebde2019.gnomio.com	https://www.gnomio.com/	6/1/2019
	https://bearmt.gnomio.com/		6/1/2019
Mrs. Rutuja Deshmukh	https://sebedc19.gnomio.com	https://www.gnomio.com/	6/1/2019
Mr. Sagar Bhavsar	https://teamechatronics.gnomio.com	https://www.gnomio.com/	6/1/2019
	https://bebrmt.gnomio.com		6/1/2019
Mr. Prashant Titare	https://bebelc1.gnoimio.com/	https://www.gnomio.com/	6/1/2019
Mr. Raosaheb Pawar	https://rpbebai2019.gnomio.com/	https://www.gnomio.com/	6/1/2019
Mr. Kishor Bhangale	http://sebdsa2019.gnomio.com	https://www.gnomio.com/	6/1/2019
Ms. Lina Desai	https://tebdsp.gnomio.com/	https://www.gnomio.com/	6/1/2019
Mrs. Shilpa Jagtap	https://seadsa19.gnomio.com	https://www.gnomio.com/	6/1/2019
Mrs. Shaliaja Yadav	https://beartificialintelligence19.gnomio.com	https://www.gnomio.com/	6/1/2019
All F.E Faculties	https://fedeanacademics.gnomio.com	https://www.gnomio.com/	6/1/2019

Dr Preeti patil	Database Management System	https://www.gnomio.com/	6/1/2019
	Business Analytics and Intelligence	https://www.gnomio.com/	6/1/2019
Mr A J Patankar	Information and Cyber Security	https://www.gnomio.com/	6/1/2019
	Database Management System	https://www.gnomio.com/	6/1/2019
Mrs Arati s Gaikwad	Digital Electronics and Logic Design	https://www.gnomio.com/	6/1/2019
	Digital Electronics and Logic Design	https://www.gnomio.com/	6/1/2019
Mr K D Bamne	Software Engineering &Project Management	https://www.gnomio.com/	6/1/2019
	Software Design and Modeling	https://www.gnomio.com/	6/1/2019
Mrs Amita Jajoo	Fundamentals of Data Structures	https://www.gnomio.com/	6/1/2019
	Software Testing and Quality Assurance	https://www.gnomio.com/	6/1/2019
Mrs Ashwini Abhale	Theory of Computation	https://www.gnomio.com/	6/1/2019
	Information and Cyber Security	https://www.gnomio.com/	6/1/2019
Mrs Vishnupuriya	Discrete Structures	https://www.gnomio.com/	6/1/2019
Mr Vinod Mane	Theory of Computation	https://www.gnomio.com/	6/1/2019
Mrs Parvati Bhadare	Operating System	https://www.gnomio.com/	6/1/2019
Mrs Deepali Rane	Software Testing and Quality Assurance	https://www.gnomio.com/	6/1/2019
	Problem Solving and Object Oriented programming	https://www.gnomio.com/	6/1/2019
Mr Niket Bhatbre	Human-Computer Interaction	https://www.gnomio.com/	6/1/2019
Mrs Krutika Bang	Computer Organization & Architecture	https://www.gnomio.com/	6/1/2019
Mrs Ekta Chaudhari	Fundamentals of Data Structures	https://www.gnomio.com/	6/1/2019
	Business Analytics and Intelligence	https://www.gnomio.com/	6/1/2019
Mrs Rajshree R S	Machine Learning and Applications	https://www.gnomio.com/	6/1/2019
Mrs Sonam Patil	Operating System	https://www.gnomio.com/	6/1/2019
Mrs Himani Patel	Human-Computer Interaction	https://www.gnomio.com/	6/1/2019
Mrs Madhuri Gurale	Database Management System	https://www.gnomio.com/	6/1/2019
Mrs Pranjali Yadav	Problem Solving and Object Oriented programming	https://www.gnomio.com/	6/1/2019
Dr N K Kamble	Mechanics of Materials	https://www.gnomio.com/	6/1/2019
Dr G K Jadhav	Advanced Production Technology	https://www.gnomio.com/	6/1/2019
Mr Y G Kamble	Computer Integrated Manufacturing	https://www.gnomio.com/	6/1/2019
Mr R P Jadhav	Automobile Engineering and Manufacturing	https://www.gnomio.com/	6/1/2019
Mr M N Mathapati	Operation Research and Management	https://www.gnomio.com/	6/1/2019
Mr J M Khade	Material Science	https://www.gnomio.com/	6/1/2019
Mr P R Padave	Manufacturing Processes	https://www.gnomio.com/	6/1/2019
Mr N M Mahajan	Product Development	https://www.gnomio.com/	6/1/2019
Mr V J Dhembare	Heat and Fluid Engineering	https://www.gnomio.com/	6/1/2019
Mr S V Bhosale	Mechtronics and Robotics	https://www.gnomio.com/	6/1/2019
Dr. B. B. Musmade	PDC	https://www.gnomio.com/	6/1/2019
Mr. V. S. Vibhute	ESD	https://www.gnomio.com/	6/1/2019

	AI	https://www.gnomio.com/	6/1/2019
Mr. N. V. Mane	LIC	https://www.gnomio.com/	6/1/2019
Ms. R. R. Sangitrao	IOM	https://www.gnomio.com/	6/1/2019
	IIoT	https://www.gnomio.com/	6/1/2019
Mr. N. R. Mohanty	CSC	https://www.gnomio.com/	6/1/2019
	PEM	https://www.gnomio.com/	6/1/2019
Mr. P. B. Kaushal	STI	https://www.gnomio.com/	6/1/2019
	CSD	https://www.gnomio.com/	6/1/2019
Mrs. A. A. Utikar	NT	https://www.gnomio.com/	6/1/2019
	SWI	https://www.gnomio.com/	6/1/2019
Mrs. A. R. Kesti	BI	https://www.gnomio.com/	6/1/2019
Mrs. R. A. Deshpande	ISD	https://www.gnomio.com/	6/1/2019
	CTA	https://www.gnomio.com/	6/1/2019
Dr. Vinay A. Kulkarni	Internal Feedback, Metrology and Quality Control	https://www.gnomio.com/	6/1/2019
Dr. R S Hingole	Design of Machine Elements -I	https://www.gnomio.com/	6/1/2019
Dr. Tapobrata Dey	Turbo Machines	https://www.gnomio.com/	6/1/2019
Dr. V S Jatti	Dynamics of Machinery	https://www.gnomio.com/	6/1/2019
Mr. Battu Arun Kumar	Strength of Material	https://www.gnomio.com/	6/1/2019
Mrs Dhamale Swati Krishnakumar	Theory of Machines-II	https://www.gnomio.com/	6/1/2019
Mr. S. V. Ghogardare	Hydraulics and Pneumatics	https://www.gnomio.com/	6/1/2019
Mr. Santosh Kumar Bawage	Hydraulics and Pneumatics	https://www.gnomio.com/	6/1/2019
Mr. Ravindra Sadashiv Lahane	Design of Machine Elements-I	https://www.gnomio.com/	6/1/2019
Mr. Samadhan Dattatray Bhosale	Metrology and Quality Control	https://www.gnomio.com/	6/1/2019
Mr. Marjapure Sachin Dhanraj	Applied Thermodynamics	https://www.gnomio.com/	6/1/2019
Mr. Vaibhav Vitthal Phule	Manufacturing Processes I	https://www.gnomio.com/	6/1/2019
Mr. Sunil Subrao Patil	Theory of Machine-2	https://www.gnomio.com/	6/1/2019
Mr. Ajay Kumar Pathak	Turbo Machines	https://www.gnomio.com/	6/1/2019
Mr. Sushant Sunilkumar Patil	CAD CAM Automation	https://www.gnomio.com/	6/1/2019
Mr. Laxman Pandurang Khose	CAD CAM Automation	https://www.gnomio.com/	6/1/2019
Mr. Rahul Sitaram Ralebhat	Heat Transfer	https://www.gnomio.com/	6/1/2019
Mr. Shyamsing Vijaysing Thakur	Thermodynamics	https://www.gnomio.com/	6/1/2019
Ms. Bhingare Nirmala H	Material science	https://www.gnomio.com/	6/1/2019
Mr. Deepak Kumar Sharma	RAC	https://www.gnomio.com/	6/1/2019
Mr. Sandip Maruti Desai	SME	https://www.gnomio.com/	6/1/2019
Mr. Patil Deepak Sunil	Applied Thermodynamics	https://www.gnomio.com/	6/1/2019
Mr. Swapnil Yashwant Taware	Design of Machine Elements-I	https://www.gnomio.com/	6/1/2019
Mr. Rachit Roshan	Hydraulics and Pneumatics	https://www.gnomio.com/	6/1/2019
Mr. Vishwanath Hunagund	FEA	https://www.gnomio.com/	6/1/2019
Mr. Navalkant Konda	Material Science	https://www.gnomio.com/	6/1/2019
Dr. Pravin Tukaram Nitnaware	Applied Thermodynamics	https://www.gnomio.com/	6/1/2019

Mr.Vivek Vitthalrao Diware	Dynamics of Machinery	https://www.gnomio.com/	6/1/2019
Mr. Chaple Anup Rambhau	Metrology and Quality Control	https://www.gnomio.com/	6/1/2019
Mr. Vinayak wamanrao Bembrekar	CAD CAM Automation	https://www.gnomio.com/	6/1/2019
Mr. Kulkarni Vikram	Energy Audit and Management	https://www.gnomio.com/	6/1/2019
Mr. Shekhar Waman Musane	Theory of Machines -I	https://www.gnomio.com/	6/1/2019

Students admitted in the college utilize the various facilities like Computers, Classrooms, Gymnasium, Playground, Reading Room, Boys Common Room, Girls Common Room, Campus Cafeteria, Auditorium, Medical, Indoor Games, Library, CCTV, Students Plaza, Transport, Open Air Theater etc. Housekeeping and garden maintenance is carried out on regular basis. All the stakeholders have equal opportunity to use those facilities as per the rules and the policies of the Institution. • Various workshops for students and faculty are organized in the IIT Bombay Remote Center as and when informed by IITs. • Recording room is made available for faculty for generation and publication of e content. • Maintenance of laboratory equipment computers and other gadgets are done whenever necessary. • Repairs of furniture electrical and sanitary fittings are carried out frequently. DSR verification of each laboratory is done by concerned coordinator in the end of every Financial year. • Adequate budget provisions are done for maintenance work every year. • Cleanliness facilities are maintained by separate housekeeping agency. • Prior to start of every semester all equipment/ instruments of concerned laboratory are tested for its working condition by respective subject teacher. • The calibration of required equipment and instruments is carried out periodically as per requirement by the respective departments. • Rest rooms in all floors are cleaned twice every day. • A scheduled faculty as a floor controller looks over and endorse the hygiene of rest rooms • There are annual maintenance contracts for maintenance of ACs, UPS, Lifts, Water Cooler and Fire Extinguishers etc.

<https://www.dypcoeakurdi.ac.in/infrastructure/facilities>

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	APART, SUPRA, SAE BAJA , Expert talk ,Workshops, seminars, conference, Annual Cultural, Technical and Sports.	2621	3356956
Financial Support from Other Sources			
a) National	1. Schneider Electric India Foundation 2. Scholarship programme	2318	119929946
b) International	Nil	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 implementation	Number of students enrolled	Agencies involved
Japanese Language Proficiency Training	02/07/2018	84	Tata Consultancy Services
Student Development Programmes Explore the Genius Within	14/01/2019	750	Mr. Dinesh Nathani, Founder, Synergy with Energy, Pune
Temptations and Challenges of Student Life	17/01/2019	750	Dr. Sapna Sharma, President, Association of Counselors Psychotherapists, Nagpur
Youth Empowerment Programme	11/12/2018	225	Dr. Prakash Baba Amte, Dr. Mandakini Amte
Soft skill development programs	25/06/2019	148	Department of soft skills, Dr. D Y Patil Educational Complex, Akurdi
Bridge courses	20/02/2019	157	Automation Anywhere, Bangalore Virtusa, Hyderabad, Faculty members and Students of IT and Computer Department
Bridge courses	01/08/2019	180	Automation Anywhere, Bangalore Virtusa, Hyderabad, Faculty members and Students of IT and Computer Department
Yoga, Meditation (Fit India movement)	29/08/2019	100	MHRD, Government of India
Soft skill and communication skills development programs	24/08/2019	35	IBS Academy
5th International day of Yoga	21/06/2019	500	Art of Living

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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 passed in the comp. exam	Number of students placed
2019	AAPART	8	8	6	21
2019	Career counseling	48	480	24	38
2019	Training Guidance Session	500	282	12	28

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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
No Data Entered/Not Applicable !!!					

[View File](#)

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	BE	Computer Engineering	Royal Holloway university of London	MSC in data science and

Academic Year 2018-19

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
ABANS INDIA	72	1	ARXXUS TECHNOLOGIES	149	1
ANGULAR MINDS	160	2	HITACHI CONSULTING	64	2
BIRLASOFT	102	13	WIPRO	165	5
BITWISE	144	15	ADROSONIC IT CONSULTANCY	128	3
BRAINSTORM FORCE	125	1	APPLICATIONS SOFTWARE TECHNOLOGY LLC	71	1
CONVERGYS	104	5			
E-ZEST	82	3			
FISERV	76	9			
IBM INDIA	91	9			
ICERTIS	69	3			
INFOSTRETCH	76	5			
LNT INFOTECH	134	17			
MINDTREE	72	1			
RAVE TECHNOLOGIES	76	1			
SOFTCELL TECHNOLOGIES	116	6			
ALLERIN, MUMBAI	92	4			
ALTIMETRIK INDIA PRIVATE LIMITED	69	1			
AMAZON	74	1			
AURUS INC, PUNE	78	2			
BORM BRUCKMEIER	98	11			
CAPITAL VIA	95	3			
DATAMETICA SOLUTIONS PTE LTD.	64	1			
EPAM	89	1			
ESDS PVT. LTD.	96	6			
ETERNUS SOLUTION PVT. LTD.	92	3			
EVOSYS GLOBAL	116	2			
FIS GLOBAL BUSINESS SOLUTIONS INDIA PVT LTD	82	1			
FUSIONSTACK TECHNOLOGIES PVT.LTD	86	5			
HEXAWARE	96	2			
INCEDO	88	2			
INFOSYS LTD.	139	24			

INNOVECTURE PRIVATE LIMITED	64	1			
IRESEARCH SERVICES	148	3			
KNOLDUS SOFTWARE	81	1			
MAGNA INFOTECH	64	2			
METICULOUS RESEARCH	69	5			
MINDBROWSER INFO SOLUTIONS	69	4			
NET2 SOURCE	84	1			
NET PROTECTOR ANTI VIRUS	69	2			
SABA SOFTWARE INDIA PVT LTD	92	2			
SIGMA SOFTWARE SOLUTIONS PVT LTD.	64	4			
SPORTSTEC INDIA PVT. LTD.	123	26			
TCS	286	43			
TECHMAHINDRA	198	9			
TECHMAINSTAY	89	1			
U&D SQUARE	73	9			
UBISOFT	129	5			
VALUELABS HYDERABAD	93	1			
VIRTUSA	69	12			
XORIAN SOLUTION PVT.LTD.	98	2			
ZYCUS INFOTECH PVT LTD	115	2			

Academic Year 2019-20

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
Virtusa Corporation	241	46	Thinqloud	1	1
EPAM India	248	2	Go Mo Group	1	1
RAJA Software Labs	283	1	IBM	2	2
Valuelabs	201	4	PWD	1	1
LTI	173	9	Town Planning	1	1
Mithi Software	68	1	Infosys Ltd.	7	7
Veritas	104	8			
Indus Valley Partners	125	2			
Bitwise Solutions	123	9			
Evosys	243	8			
TCS	353	35			
Capgemini India	171	35			

Zensar Technologies	51	1			
Fiserv India Pvt. Ltd.	79	5			
Toshiba Software	91	2			
Sigma Systems	80	2			
Altimetrik India Pvt. Ltd.	72	1			
Infostretch Corporation India Pvt. Ltd.	61	1			
Vodafone Shared Services India	113	5			
Xpansion International	109	1			
Keyence India	204	3			
SABA Software	34	2			
Birlasoft	115	17			
Silver Touch Technologies	51	9			
Adnate IT Solutions	47	2			
Neeeyamo Enterprise	238	6			
Angular Minds	123	1			
VuClips	61	2			
JARO Education	352	3			
IndiaMart	59	8			
Elite Techno Group	20	1			
Godrej & Boyce	79	2			
iResearch Services	86	1			
Softcell Technologies	70	3			
Atos Syntel	47	5			
eInfochips	80	2			
Teknovance	262	1			
Torrent Gas	187	4			
Worley Group	167	2			
Johnson Controls	113	3			
FIS Global	87	1			
Cognizant	185	12			
Emerson	56	2			
Amdocs	83	6			
Attrra Infotech	96	4			
Core Compete	95	6			
RBL Bank	233	6			
Jendamark	34	3			
Deepak Fertilisers	268	3			
Cosmo Films	17	3			

Tech Mahindra	56	6			
Kone Cranes	76	1			
Cleartrail	66	1			
Housewalas	48	12			
QualityKiosk	122	7			
UBISOFT	248	21			
Squareyards	49	7			
Estatemint	80	7			
Lifespace Realty	34	4			
Voltas India	52	1			
Amazon India	187	4			

					analytics
2019	1	BE	Electronics and Telecommunication Engineering	Sinhagad Institute of Management	MBA
2019	1	BE	Electronics and Telecommunication Engineering	MIT WPU, Kothrud, pune	ME VLSI
2019	1	BE	Instrumentation & Control Engineering	College of Engineering Pune	M.Tech
2019	1	BE	Instrumentation & Control Engineering	College of Engineering Pune	M.Tech
2019	1	BE	Production Engineering (S/W)	College of Engineering Pune	M.Tech
2019	10	BE	Civil Engineering	National Institute of Construction Management and Indian Institute of Management, Pune	M Tech in Project Engineering and Management
2019	1	BE	Mechanical Engineering	Neoma business school, Rouen, France	M.S.
2019	1	BE	Mechanical	New Jersey institute of technology	M.S.
2019	1	BE	Mechanical	SGGS Nanded	M.Tech

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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	38
GRE	1

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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
Jatra (Funfair event)	Institute Level	1500
Annual Day	Institute Level	2500
Ashwanth Cultural Event, Fashion Show, Dancing, Singing	Institute Level	250
Annual sports (Interdepartmental)	Institute Level	800
Satej Karandak	Institute Level	600

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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
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)

Under the aegis of college student council various activities such as Sports, Technical and Cultural are conducted. Under the cultural activities it is a tradition to celebrate Theme day, Traditional day, Utkarsh, Jatra and Annual Day. CRONOZ is a grand cultural event of the college conducted by the students in which various targets such as Acting, Singing, Dancing etc. are performed. In IQAC two students play a major role in the overall development of the Institute. In all department students are involved in Academic Advisory body to ensure the academic activities of the department. In each and every department student association is formed which takes care of Co

**Number of awards/medals for outstanding performance in sports/cultural activities at National/
International level**

Year	Name of award/ medal	National/ International	Sports	Cultural	Student ID Number	Name of the student
2019	Last man stand	International	1	0	T1551143	AdityaVispute
2019	Best Actor	National	0	1	SECOA17114	Kunal Rajshinkar
2019	Best Actor	National	0	1	SECOA17114	Kunal Rajshinkar
2019	Best Music	National	0	1	B1521159	Mayur Gaikwad
2019	SAE BAJA	National	5	0	BEMEC-82	Harshal Ghayal
2019	SAE BAJA	International	2	0	BEMEC-82	Harshal Ghayal
2019	Basketball	National	1	0	B1651058	Amar Kankatti
2019	Kabaddi	National	1	0	B1651058	Amar Kankatti
2019	Cricket	National	1	0	B1651058	Amar Kankatti
2019	football	National	1	0	B1651058	Amar Kankatti
2019	volleyball	National	1	0	B1651058	Amar Kankatti
2019	volleyball	National	1	0	B1651004	Shivani Girgune
2019	Basketball	National	1	0	B1651059	Swapnil Soni
2019	volleyball	National	1	0	B1751034	Rachana Mane
2019	Basketball	National	1	0	B1651110	Aditi Kannao
2019	volleyball	National	1	0	B1651110	Aditi Kannao
2019	Impression	National	0	1	BEITA18123	Kritika Sharma

and Extra Curricular activities. Students from various department are the members of Innovation Cell, Entrepreneurship Development Cell and Competitive Exam Cell.

5.4 - Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

Yes

Alumni Association of DYPCOE was formed in the year 2004 and is registered under Charity Commissioner of Pune. The association was registered on 2nd November 2004 with registration number: Maharashtra/1754/2004/Pune. All students graduating from DYPCOE are members of the Alumni association. The association has eleven members on its body with the Principal as Ex-Office President, senior faculties as General Secretary and Treasurer while the remaining members are the alumni. The alumni are associated with the college on continuous basis and contribute in the overall growth and development of the college. We are proud of our Alumni working in various reputed organizations across the globe.

5.4.2 - No. of enrolled Alumni:

1235

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

1030000

5.4.4 - Meetings/activities organized by Alumni Association :

1. Activities under Alumni Association by Computer Engineering Department □ Mr. Sanket Jain from Behr Process and Mr. Aditya Dange from TCS, Pune given their valuable inputs for Orientation Program and Academy advisory Board Meeting. □ Dr. Amit Andre Vice President, Vinsys corp Ltd. Invited for Guest Lecture on Role of an Engineer: A 360 degree approach. □ Dr. Amit Andre Vice President, Vinsys corp Ltd. Invited for Expert talk on Emerging Trends in Alignment with Business strategies. □ Mr. Sudhir Devkar from Mindtree Ltd Pune Invited for Guest lecture on Antivirus and Malware Analysis. □ Mr..Rutwej Shitole from Meticulous Research ,Pune Invited for Guest lecture on BRS:SDLC Model. □ Mr. Aman Ankit from GS lab,Pune invited for ACES inauguration function. □ Dr. Amit Andre Vice President, Vinsys corp Ltd participated in research Meet organized by DYPCOE, Akurdi. □ Mr. Manish Bharucha from Kyzersoft Pvt Ltd, Mumbai participated in research Meet organized by DYPCOE, Akurdi. □ Mr. Sunil Mali from Aurostech Pvt Ltd , participated in research Meet organized by DYPCOE, Akurdi. □ Mr. Aditya Dange from TCS, pune has participated in research Meet organized by DYPCOE, Akurdi. □ Ms. Priyanka Deokar from 3DPLM Global Services participated in

research Meet organized by DYPCOE, Akurdi. 2. Activities under Alumni Association by Information Technology □ Mr. Shekhar Shetty from Nice systems Pune invited for guest Lecture on Current trends in IT -Angular JS Technology. □ Mr. Nihal Waghmare from ATOS Pune invited for Carrier opportunities in Cyber Security. □ Mr. Prashant Tithare from DYPCOE, Akurdi invited for guest Lecture on Advance Multiprocessors. □ Mr. Neeraj Mourya from Bitwise Solution, private Limited invited for guest Lecture on Automated Software Testing with Python. □ Mr. Jelson Chacko from Calsoft Pvt Ltd invited for Exert talk on Software Testing Quality Assurance:A practical Approach. □ Mr. Minal Pophale from Fiserv India Pvt Ltd invited for Exert talk on C Storage Classes. □ Ms. Sikha Tiwari from Datametica solutions Pvt Ltd invited for invited for Exert talk on Analysis of Data Structure. 3. Activities under Alumni Association by Electronics Telecommunication Department □ Mr. Yogesh Hegade from IOTIOT invited for Exert talk on Key trends in IOT. 4. Activities under Alumni Association by Instrumentation control Department □ Mr. Pavan Kurliye from Kirloskar Pneumatics invited for Expert talk on Project engineering Management. 5. Activities under Alumni Association by Civil Engineering Department □ Mrs.Varsha Kanitkar from Veracity Structural Consultancy invited for Guest Lecture on Earthquake Analysis. □ Mr. Dipesh Bafna from Know How Schools Site Visit for Residential Building under Construction, Ravet. □ Mr. Bilal Shaik from CWPRS has participated in research Meet organized by DYPCOE, Akurdi. □ Mr Anil Jadhav from PWD has participated in research Meet organized by DYPCOE, Akurdi.

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)

1. The major decisions which have a bearing on the functioning of the Institute is through the Governing Body and College Development Committee as per the prevailing norms of the regulatory authority. Principal as head of the Institution and Vice Principal to support Principal office are responsible authorities for the overall administration of the Institute. In addition to these bodies, the Institute has created additional positions namely Dean Academics and Dean Research Development by delegating authority and responsibility in order to look after smooth conduction of Academics and Research Development activities respectively. As per the requirements of the University, additional portfolios of Academic Research Coordinator (ARC), College Examination Officer (CEO) and Student Welfare Officer (SWO) are created and faculty members are assigned the responsibilities appropriately. ARC is the coordinator to coordinate the academic research activities with Savitribai Phule Pune University. CEO is the faculty responsible for smooth conduction of examination activities and coordinating with the Director of Examination. SWO is responsible for students affairs and related activities and liaising with the Director, Board of

Student Development in Savitribai Phule Pune University. In addition to these positions, Heads of the Departments are responsible for smooth conduction of curricular, co-curricular and extra-curricular activities of the department. Director of Physical Education is responsible for all sports and physical well being of the students. Registrar is the head of the administrative office to look after five sections of the office namely, Students Section, Account Section, Establishment Section, Stores Purchase Section and Examination Section. In addition Library Incharge, Training Placement Officer, Hostel Rector are responsible for their respective activities. 2. Various Committees are constituted and faculty members as representatives of their respective departments are members of the committees. These committees are responsible for execution of the various events, activities, tasks assigned to them with participation of each and every member of the committee. Various cells are formed as per requirements of either regulatory authorities or the Management which are headed by Senior faculty members for spear heading several initiatives, compliances and value addition activities. Few examples include Media Cell, Innovation Cell, Admission Cell, Alumni Cell, Intellectual Property Rights cell, Competitive Exam Cell etc. Various Clubs are created for the student related participative and Personality and Skill Development activities at department level. In addition to this, student clubs are active at Institution level for up skilling of the students in interdisciplinary niche areas such as Robotics, Robotics Process Automation, Art and Culture etc.

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

Yes

6.2 - Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	<ul style="list-style-type: none"> The faculty members of the Institute participate in the revision and quality improvement of the curricula developed by the Board of Studies constituted by the SPPU. Faculty members organize expert lectures of Industry personnel for the subject they are teaching in order to provide the students with content beyond the curriculum. In order to enrich subject knowledge of the students Workshops, Guest lectures by eminent personalities and Industrial visits are being organized.
Teaching and Learning	<ul style="list-style-type: none"> Students admitted in First Year Engineering are engaged in one week induction program to get acquainted with various aspects of Engineering Curriculum. Faculty members enroll themselves for NPTEL courses which helps them to improve quality of content delivery. Students are also encouraged to participate and acquire NPTEL courses certification to enhance their subject knowledge. ICT based teaching

	<p>learning techniques are being widely adopted by faculty members. Teaching Learning technique includes: Google Classroom, MOODLE/Gnomio, Spoken Tutorials, Quiz, Flipped Classroom, NPTEL Videos, Online YouTube Videos, Virtual Labs, Industrial Visits/seminars/Workshop, Group Discussion/Think-pair-Share, project poster presentation, Websites/Blogs etc.</p>
Examination and Evaluation	<ul style="list-style-type: none"> • University Examinations are conducted by the Institute which include Online Examination, In-Semester Examination, Oral/Practical/Term Work Examination and End Semester Examination. • At Institute level, additionally assessment of learning is conducted with two Unit Tests and one Prelim Examination every semester. • Evaluation and assessment is also conducted with presentations in front of external evaluators from Academia and Industry for student ideas and innovations demonstrated through seminars and projects. • Practical hands on assessment is also conducted at Institute level to give practice sessions before final assessment by University.
Research and Development	<ul style="list-style-type: none"> • Student are guided by the faculty members to select state of the art topics of social relevance for the presentations in seminars and project implementations. • Innovative ideas of the students and faculty members are taken ahead for filing IPR. • Plagiarism checking of seminar report, project reports and research papers is carried out before final submission. • Research paper publications by student and faculty members are encouraged to be done in Journals of repute. • Student demonstrate their Innovative project ideas and implementations in different competitions such as SUPRA, BAJA, ROBOCON, Hackathon and Botathon.
Library, ICT and Physical Infrastructure / Instrumentation	<ul style="list-style-type: none"> • College library is equipped with Digital library subscriptions, KOHA software and barcode system. • Wi-Fi access is also made available to students on their personal digital devices. • Institute is in the process of establishing smart classrooms to encourage online learning • CCTV Cameras are installed in each class room, corridors and entrance. • Institute Innovation lab is established as per MHRD initiatives to encourage innovation culture amongst the students and faculty members. • Centers of Excellence are actively utilized for conduction of up skilling short term certificate courses for the students.
Human Resource Management	<ul style="list-style-type: none"> • Bajaj Allianz group insurance and accidental insurance is taken by the Institute for all the Faculty, Staff and Students. • Well documented HR policies exist for teaching faculty members and non teaching staff.
Industry Interaction /	<ul style="list-style-type: none"> • Number of MoUs with Industries are Mechanical department (02), Civil department (09), Instrumentation and Control department (14), Electronics and

Collaboration	Telecommunication (03), Computer department (01), Information Technology (01), Production department (15). • Students have been provided with Internship opportunities in nearby Industries as per the areas of interest. • Industrial visits and consultancy projects provide opportunities to interact and collaborate on areas of technological advancements. • Industry experts are invited for interaction with the students and sharing of knowledge and challenges faced by Industries.
Admission of Students	• Admission cell is formed during the admission period every year. • Admission cell activities include participation in various education expo in and around pune, counseling of prospective students and parents, guidance to candidates for centralized admission process and career counseling.

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

E-governance area	Details
Planning and Development	• Academic calendar and timetables for the conduction of academics are the facilities available in the ERP system which will be used from the next academic year. • Integration of financial data with the tally system is in process.
Administration	• Automation of complete administration system is in process in phased manner through the ERP system. • One time student data capture through online admission form is being implemented.
Finance and Accounts	• Online payment facility through payment gateway is available for students through the ERP system for submission of admission fees and examination fees.
Student Admission and Support	• Admission management module of ERP system is functioning through which admission form, documents uploading and approval of the same is available online.
Examination	• Entire examination system of SPPU is online and College Examination Officer through his login credentials downloads the question paper for conduction of Theory Examination. • Various facilities such as exam forms, appointment of examiners, uploading of marks and final mark list are available through the University portal.

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

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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	Campus Level Faculty Development Programme, "Nurturing the Blooming Buds" (POSH)		14/09/2019	14/09/2019	165	0
2019	Training Programme For Teacher Guardians		19/01/2019	19/01/2019	125	0

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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
National Symposium on Innovations in Teaching Learning Process	5	08/12/2018	08/12/2018	1
8 Weeks International MOOCs FDP on Creating Open source Cloud based Gnomio Moodle of your own subject for OBE	33	15/04/2019	10/06/2019	40
One week STTP on "Heat Transfer Applications of Interdisciplinary Advancements"	2	16/09/2019	21/09/2019	6
Intellectual Property Right, Patents, Copyright and	1	07/09/2019	07/09/2019	1

Trademark				
One Week STTP "Innovative optimization Techniques in Research"	1	07/10/2019	12/10/2019	6
One week Workshop on Electric Vehicle (Future Mobility)	5	15/07/2019	22/07/2019	6
PMMMNMTT FDP on Cyber Security	29	10/06/2019	15/06/2019	6
Workshop on Android App Development	12	17/06/2019	22/06/2019	6
Faculty Development program on Data Science	7	08/07/2019	13/07/2019	6
Latex Workshop	9	17/06/2019	22/06/2019	6
Faculty Development program Programming and problem solving	1	25/07/2019	26/07/2019	2
2 Days State Level seminar on Machine Learning and Computational Intelligence	1	18/01/2019	19/01/2019	2
FDP201x Pedagogy for Online and Blended TeachingLearning Process	2	27/12/2018	02/01/2019	6
1 Day workshop on Key aspects of Curricula Design and content Delivery	6	17/01/2019	17/01/2019	1
2 Days workshop on "Machine Learning using Python"	2	13/12/2018	14/12/2018	2
5 Days FDP on "ICT based TeachingLearning using Gnomio Moodle"	6	24/12/2018	29/12/2018	5
One Day FDP on "Outcome Based Education"	5	17/01/2019	17/01/2019	1
FDP on Deep Learning using Tenserflow	1	24/09/2019	28/09/2019	5
One day workshop on Open Infra Institute day in association with OpenStack Foundation Pune	2	25/03/2019	25/03/2019	1
Assessment Evaluation of OBE	4	10/06/2019	14/06/2019	5
Workshop on National Building Code 2016	1	09/08/2019	10/08/2019	2
Training on Faecal sludge management	3	24/01/2019	25/01/2019	2
Advanced Concrete Technology	1	23/09/2019	24/09/2019	2
Prestressed and Advanced Concrete Structures	8	26/08/2019	27/08/2019	2
Effective Teaching Methodology for Engineering mechanics	4	03/01/2019	05/01/2019	3

Engineering mechanics Syllabus revision for A.Y. 2019-20	3	27/07/2019	27/07/2019	1
ISTE Approved National Conference on Role of Information technology in Social Innovations 2019	30	26/02/2019	27/02/2019	2
IoT using eSim (by IIT Bombay RC)	12	21/09/2019	21/09/2019	1
AICTE UKIERI Leadership Development Program.	1	19/06/2019	21/06/2019	3
AICTEUKIERI Leadership Development Program	1	13/10/2019	20/10/2019	8
Machine Learning using Raspberry Pi	11	13/06/2019	17/06/2019	5
FE subject "Basic Electronics Engineering " Orientation Program by SPPU	4	22/07/2019	22/07/2019	1
AICTE ISTE Induction/Refresher program on Recent Trends and Opportunities in AI with IoT Perspective	1	04/06/2019	09/06/2019	6
Faculty orientation workshop on BE revised syllabus	1	13/12/2018	14/12/2018	2
1 Week FDP on Outcome Based Education An Effective Teaching Learning Practice Assessment	1	11/06/2019	16/06/2019	6
Machine Learning and Deep Learning	1	03/05/2019	23/05/2019	18
Infostretch Industrial Internship	1	03/06/2019	07/06/2019	5
RPA Virtusa: Automation Anywhere Training	5	17/12/2018	21/12/2018	5
AICTE Sponsored 2 weeks Pedagogical OBE	20	04/11/2018	15/11/2019	11

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
4	7	1	2

6.3.5 - Welfare schemes for

Teaching	Non-teaching	Students
• Employee Provident Fund scheme is	• Employee Provident Fund scheme is available for non teaching staff	• Insurance policies- Amartya Shiksha Yojana and Group Personal Accident cover is available through National Insurance Company Ltd. • Earn and learn scheme of

available for teaching faculty members. • Management supports the education of the children of regular teaching faculty by providing 50 Concession in tuition fees if they are studying in Akurdi Campus.

members. • Management supports the education of the children of regular non-teaching faculty by providing 50 Concession in tuition fees, 100 concession in certain cases if they are studying in Dr. D Y Patil Educational Complex at Akurdi, Pune. • Management is financially supporting girl child marriage of all non-teaching staff by providing amount of 11000/-.

Savitribai Phule Pune University is available to the students for financial support. • Rajashree Shahu Maharaj Scholarship provided by State Government to the students to supports them financially. • Social Welfare Office, Government of Maharashtra provides a scholarship to reserved category students (Other than OBC) as 100 tuition fee reimbursement and 50 Tuition fee reimbursement to OBC category. • National Scholarship scheme of Central Government through which every year 04 students get scholarship as 50 tuition fees. • GOI Post Metric Scholarship is implemented for the students • Dr. Punjabrao Deshmukh Wastigraha scheme is made available to the students through State Government for concession in hostel fees. .

6.4 - Financial Management and Resource Mobilization

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

• Financial audit is conducted regularly every year and audited reports are submitted to the appropriate regulatory authority. • Interim audit is conducted in January for the duration April to December. • Final Audit is conducted till 31st March 2019 for finalization of the audited reports and statements.

6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
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6.4.3 - Total corpus fund generated

33004903

6.5 - Internal Quality Assurance System

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/ Grants received in Rs.	Purpose
Management	2350/-	fundamentals of RADAR” by Mr. Rupak Berry, Commander(Retd.) Indian Navy on 14/10/2019 for TE & BE students
Management	2350/-	Expert lecture on “New Trends, Transforms in Computer Networks” by Mr. DhanajayNaldurgkar,Neeyamo Enterprise Solutions Pvt, Ltd on 03/10/2019 for BE students
Management	2350/-	Expert lecture on “Networking and Next Generation Technologies in communication”, Ms. RakhiSonawane, Tata Communication on 04/04/2019 for BE students
Management	2350/-	Expert lecture on “Opportunities in Satellite Communication” by Mr. KrishMehekarkar, Institute of Satellite Telecommunication Pvt. Ltd
Management	2300/-	A seminar on “Digital Signal Processor” by Mr. SujitWagh, Chairman, Gyanshila Foundation, Pune for SE students on 26th March 2019
Management	2000/-	A seminar on “Industrial approach in electronics” by Mr. Sanjay Chaudhari, Director Electronics Study centreNashik on 22nd August 2019
Management	600/-	Industrial Visit to Vidyawani,SavitribaiPhule Pune University,Pune of SE students on
Management	7200/-	Industrial Visit to GMRT, Khodad, Narayangaon on 01/03/2019
Management	500/-	Industrial Visit to PARC Robotics Pvt. Ltd, Talawade Rd, Rupeenagar, Talwade, Pune on 01/02/2019
Management	89092	RESEARCH & DEVELOPMENT EXPENSES
Management	84911	Seminar & Workshop Expenses
Management	27670	SUPRA SAE INDIA ,
Management	515376	TANTROSTAV 2018
Management	58478	TED X EVENT

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Dr. D Y Patil Institute of Engineering, Management Research, Akurdi, Pune.	Yes	IQAC
Administrative	Yes	V. S. Potdar and Company, Bhandarkar Institute Road, Pune. (Chartered Accountant)	Yes	Dr. D Y Patil Pratishthan, Akurdi, Pune.

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

1. Feedback regarding process of academics, progress of their wards and placements are discussed.
2. A common digital platform is formed for the interaction between faculty members and parents.
3. Information Technology organized workshop on App Development by Mr. Akshay Gupta, Raja software, Parent of Mr. Prasun Kumar, Student of Third Year IT.
4. Mr. Vishwas K. Lokhande, Parents of Mr. Akash Lokhande, Student of BE Mechanical, provide Machining work services to team SAE BAJA in Toolroom and Engineering Services, Pune.

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

1. Visit to Meher Retreat - Institute has organized Full day visit for support staff to Meher Retreat to help them build team spirit, coordination and develop their personality on 20th Sept. 2019.
2. Class IV employees attended Gardening workshop at Empress Garden CAMP, from 6 April 2019 to 23rd June 2019.
3. Campus Level Staff Development Programme, "Nurturing the Blooming Buds" (POSH) organized on 14th September 2019.

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

1. Established Centers of Excellence at various departments in collaboration with various Industries.
2. Conduction of Research meet under Research Development Cell.
3. Established IIT Bombay Remote Centre at the Institution and Institution's Innovation Cell.

6.5.5 - Internal Quality Assurance System Details

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

6.5.6 - Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Student Development Program	14/01/2019	14/01/2019	16/01/2019	500
2019	Academic Audit	17/06/2019	17/06/2019	21/06/2019	187
2019	Poster Presentation	20/06/2019	20/06/2019	20/06/2019	56
2019	Industry-Academia Research Meet 2K19	13/07/2019	13/07/2019	13/07/2019	142
2019	MOODLE based feedback from students	17/09/2019	17/09/2019	28/09/2019	1540
2019	One day outing for Non teaching	20/09/2019	20/09/2019	20/09/2019	190
2019	AICTE FDP	04/11/2019	04/11/2019	15/11/2019	92

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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
Nirbhaya Kanya Abhiyan	07/02/2019	09/02/2019	160	0
One Day Faculty Development Program on prevention on Sexual Harassment "Nurturing the Blooming Buds"	14/09/2019	14/09/2019	220	270

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

Yes, green audit of the college is done. An integrated irrigation system is used for lawn grass plantation. We plants seasonal flowers to enhance the beauty of campus. The widespread rooftop area of the college is being effectively utilized during the rainy season , wherein the water being collected is directed to the rainwater harvesting plant that is being implanted and operated near the civil department wing of the college . The wastewater that is being generated from the

toilets of the college is guided to the wastewater treatment plant which effectively makes it possible to use the treated water for various chores. The power consumption of the college has been impressively made environment eco friendly by the installation of solar panels over the rooftop of the campus cafeteria. The solar panels installed have saved the electric power by up to 21600 KWs. Solar water heaters have been maintained in the hostel buildings of the college as well which has helped in the usage of renewable energy sources.

7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	No	0
Rest Rooms	Yes	2
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
2019	1	1	03/01/2019	20	4 Week Entrepreneurship Development Programme	To Enhance Entrepreneurship skills among students.	35
2019	1	1	14/01/2019	1	Marathi Bhasha Sanvardhan Padhrwada	To enhance and imbibe culture in youth	139
2019	1	1	27/02/2019	1	Marathi Bhasha Gaurav Diwas	To enhance and imbibe culture in youth	104
2019	1	1	21/06/2019	1	5th International	Health awareness.	120

					Day of Yoga		
2019	3	3	09/08/2019	1	Competitive exam awareness session	Guidance for competitive exam	90
2019	1	1	18/08/2019	1	Flood Relief	Kolhapur Flood Relief	5
2019	1	1	30/08/2019	1	Donation to flood affected people	Sangli, Kolhapur flood relief: one day salary of all teaching staff.	486
2019	1	1	30/08/2019	1	TEDx Event	Innovative ideas about research and entrepreneurship	104
2019	2	2	14/09/2019	1	Prevention on sexual Harassment	Awareness among the faculties and students about sexual harassment	694

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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)
Academic Discipline and Code of conduct	10/10/2019	IQAC Chairman and Coordinator conducts monthly meeting to inculcate ethical practices like behavior, timely reporting, prohibition of malpractices, media interactions, safety and discipline etc in various stakeholders. Col. B. K. Bhonde (Retd.), has been appointed as a chief campus security officer and the security instructions are passed/issued from time to time for strict maintenance of good discipline and ethical values

7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Collection and Donation of useful things to Zep foundation	26/01/2019	26/01/2019	10
Republic Day Celebration	26/01/2019	26/01/2019	900
4th and 5th International Day of Yoga	21/06/2019	21/06/2019	400
Independence Day celebration	15/08/2019	15/08/2019	775
Water Conversation by Er.Satish Khade	16/08/2019	16/08/2019	600
CampusOlx -Entrepreneurship Development Cell activity	22/08/2019	27/08/2019	60
Prevention on sexual Harassment	03/09/2019	04/09/2019	529
Jal Shakti Abhiyan: vanpuri, Purandar	23/09/2019	23/09/2019	36

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

Four Wheeler vehicles and Bullet motorcycles of the students are prohibited in the campus area.

Two wheeler without helmet and more than two people on the bike are prohibited.

Campaign for student awareness about the electronic waste recycling is carried out every year.

A plant is being gifted to the guests of various activities that are being arranged by various departments for impactful awareness among students.

Water Harvesting.

Efforts for carbon Neutrality.

7.2 - Best Practices

7.2.1 - Describe at least two institutional best practices

1) Stakeholders participation in students activities to enhance employability All co curricular activities of the students like BAJA, SUPRA, Electronz, Tantrotsav and Hackathon are supported by Industry mentors to enhance employability. Program Outcomes like Modern Tools and Techniques, Safety, Project Management and Finance, Individual and Team work, Technological upgradations for lifelong learning are developed in students. Students participation in Internship, apart from regular academics, gives them confidence and motivation through stipend. CO-Learning strategy is adopted for internship, which helps students to learn newer methods, cutting edge technologies and employability opportunities in the future to build upon. Learning outcomes of academics are

showcased/demonstrated by students to outside world. Critical thinking skills, soft skills, convincing abilities are developed in students, which in turn help them for placements to enhance employability. 2) Teacher Guardian Scheme with Gnomio MOODLE: Teachers as Teacher Guardian works as a friend, philosopher and guide for their batch students. For a batch of twenty students, a teacher is assigned the role of Teacher-Guardian. In nonresidential Engineering complex, connect with the students 247, is possible only with ICT. Gnomio MOODLE enables dynamic interactive database management system with a capability of personal information tracking, storage of all types of run time data with easy to access any time anywhere, encouraging methods through certification etc. makes it most suitable and effective for Teacher Guardian System. Teacher Guardian keeps the track of every students day-to-day activities such as records of personal information along with pre-engineering and engineering record, session attendance, Individual Counseling and mentoring record, monthly minutes of meeting, students achievements and other related information through discussion forum of students in the specially designed course under teacher guardian on dypcoeakurdi.gnomio.com is devised as per industry 4.0 The impact of above system observed were 1. This scheme helps to reduce unproductive wastage of time that otherwise can be utilized for learning by students. 2. Practice of aptitude and placement questions. 3. The students learning time trends are observed.

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

<https://www.dypcoeakurdi.ac.in/about-us/best-engineering-colleges-post-graduation-pune-university>

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

Centre of Excellence Institute has imbibed the culture to provide help to students and to keep themselves updated with industry knowledge and needs. To support with this, all departments have established centre of excellence in collaboration with various Government, Private, Core and IT Industries. This type of collaborations provide opportunities to students like Internship, Sponsorship, Recruitment's, publication, Product and Patent development, workshops, Conclave, seminars and Events etc vis-à-vis industry experts deliver their expertise to our students with this Center of Excellence. Center of Excellence provides the platform for the students to nurture their ideas and showcase their talent to their stakeholders. It also showcases the talent pool available in the domain of Center of Excellence which can be further nurtured and developed by other participating students very easily. The students can then identify areas of domain expertise to be inculcated and developed continuously. The success story encourages slow learners and

nonparticipating learners thereby improvising active engagement in learning. The quests for quality enhancement in all facets relevant to the center of excellence are observed. Students and faculty members continuously in search of new ideas, pedagogical activities and Innovations.

Provide the weblink of the institution

<https://www.dypcoeakurdi.ac.in/about-us/best-engineering-colleges-post-graduation-pune-university>

8.Future Plans of Actions for Next Academic Year

To organize IEEE conference for all the departments. To achieve certification for ISO for all the courses. To accomplish in NIRF and other ranking agencies at National Level. To strengthen placement for Hard Core branches like Mechanical, Civil and Production To have at least 5 International MoUs. Students will be motivated and technically supported in AVISHKAR and HACKATHON competition. To adopt Mahagoan Village in MAVAL taluka, District Pune under NSS. Organic farming awareness, tree plantation, Dam building under Jal Yukt Shivar Yojana and Digital and Computer awareness among students.