



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	DR D Y PATIL EDUCATIONAL ENTERPRISES CHARITABLE TRUSTS DR D Y PATIL GROUP OF INSTITUTIONS DR D Y PATIL SCHOOL OF ENGINEERING
Name of the head of the Institution	Dr. Ashok Kasnale
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02067077922
Mobile no.	8652577266
Registered Email	principal_dypsoe@dypic.in
Alternate Email	ashok.kasnale@dypic.in
Address	Dr. D. Y. Patil Knowledge City, Charholi(Bk.)
City/Town	Pune
State/UT	Maharashtra

Pincode	412105																		
2. Institutional Status																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Urban																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Riyaj Latifuddin Kazi																		
Phone no/Alternate Phone no.	02067077922																		
Mobile no.	9881839335																		
Registered Email	iqac_dypsoe@dypic.in																		
Alternate Email	riyaj.kazi@dypic.in																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	http://www.dypic.in/dypsoe/aqar.html																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.dypic.in/dypsoe/calender.htm 1																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B+</td> <td>2.61</td> <td>2018</td> <td>03-Jul-2018</td> <td>02-Jul-2023</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B+	2.61	2018	03-Jul-2018	02-Jul-2023
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B+	2.61	2018	03-Jul-2018	02-Jul-2023														
6. Date of Establishment of IQAC	19-Jul-2016																		
7. Internal Quality Assurance System																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC	Date & Duration			Number of participants/ beneficiaries															

IQAC Meeting on Criteriawise Presentation by Criteria Coordinatos [CR-IV to CR-VI]	03-Oct-2019 1	11
IQAC Meeting on Criteria-wise Presentation by Criteria Coordinatos [CR-I to CR-III]	30-Sep-2019 1	11
IQAC Meeting on Presentation of Action Plan by Cell Coordinators	14-Jun-2019 1	16
IQAC Meeting on Plan of Action for A.Y. 2019-20	10-Jun-2019 1	12
IQAC Meeting on Restructuring of IQAC	06-Jun-2019 1	6
Feedback from Stakeholders	06-Jul-2020 15	1252
Participation in NIRF	29-Nov-2019 10	260
R & D Cell- Received Rs.43.76 lakhs for multidisciplinary major research project from DBT New Delhi.	10-Jun-2019 1000	15
R & D Cell-Received Rs.1 lakh for minor research project to Mr Niraj Jadhav from SPPU under Aspire Scheme	17-Jul-2020 720	3
R & D Cell-Organized two days workshop on Outcome Based Education (15-16 October 2019)	15-Oct-2019 2	148
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. Saniya Mukram Ansari & Dr. S. M. Khairnar	Water Cooperation India EU	DBT	2020 1000	8190000
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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 :	5
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	Yes
If yes, mention the amount	250000
Year	2019

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

NIRF participation

AISHE 201920 (Code: C46648)

AICTE -CII survey participation

Online/ MOOC / FDP/ Courses by teaching faculties

EDC, TBI, IPR and IIIC Cell functioning

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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
Meeting for discussion on plan of Action prepared by IQAC for A. Y. 2019-20	Meeting was conducted on 10/06/2019. The plan of action was discussed and suggestions given by members of IQAC Cell are cosidered in the final version.
Approval of Plan of action	The updated plan of action is discussed and approved on 14/06/2019
Defining PO's, CO's, PEO's and Its Mapping	Defined and Mapped
To submit research proposals and	Research proposals submitted and

patents for receiving grantsundefined	received grants
Review of result analysis of Semester II of A.Y. 2018 19 and corrective action	Analyzed the results and corrective action taken
Stakeholders feedback	Students feedback taken through students satisfication survey
To organize internal audit	Internal Academic audit conducted.
Conduction of internal examination and continuous assessment	Conducted internal examinations and continuous assessment
To register and complete at-least two relevant MOOC courses or one MOOC course or one FDP or industrial training (not less than 5 days) or online NPTL certificate courses (minimum 4 weeks) by all teaching faculty per year	Faculties have registered and completed MOOC Courses/FDP/Workshop and webinarss
To publish minimum two papers by each faculty with the name of institute in affiliation.	Faculties have published papers in UGC Approved Journals and other reputed Journals and conferences
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Council	08-Jul-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	17-Jan-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	Enterprise Resource Planning (ERP) Software for automation of academic and non academic processes is used in the institute to maintain and analyze the data related to various processes of institute Currently academic and administrative modules are in operational. Modules currently operational are: 1] Students 2] Time
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Table 3] Attendance 4] Employee 5] Assignments, 6] Performances 7] Fees 8] Leave 9] Question Bank 10] Payroll 11] ID Card 12] Reports 13] Notification 14] Online Exam 15] Settings 16] Timesheet 17] Circular 18] Proctor 19] Examinations 20] Leave Management 21] Library 22] Dashboard 23] Event Attendance

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

Dr. D Y Patil School of Engineering develops and practices its teaching and learning plan of action for effective implementation and delivery of the curriculum through the well-defined processes. The institution follows the curriculum Recommended by Savitribai Phule Pune University. Before commencement of semester director conducts a meeting with all the Head's of department for effective implementation of the curriculum. In turn, Head's of Department conducts the meeting with the faculty members to discuss the teaching load distribution, academic calendar, timetable, preparation of subject course resources, planning of industrial visits, expert guest lectures, Co-curricular and extra Co-curricular activities. The students are also informed in advance about the curriculum and semester academic calendar through notice-boards and on website. The execution model of teaching and learning is shown below in figure 1.1.1 For effective implementation of the curriculum, the following process is developed and deployed Once DYP SOE receives the academic calendar from SPPU, Internal academic calendar is prepared by each department to include academic schedules, Co-curriculum and extra Co-curriculum activities. The Timetable for the entire semester is prepared to indicate specific class and laboratory hours. Every faculty prepares a course plan for the subject handled in line with the university syllabus. Faculty prepares extensive lecture notes from university prescribed text and references. Laboratory manuals are prepared so that students can refer practical's and correlate with theory. Student's attendance for individual course has been monitored through attendance sheet. At regular intervals unit test is conducted to monitor the knowledge gain of the subjects. Academic monitoring committee regularly monitors the classes and takes regular feedback of students, staff, addresses any grievances and conveys it to the Head of the Department for corrective measures. Each faculty maintains daily attendance sheet of both theory as well as practical, projects, etc.. A Guardian Faculty Member is appointed for each batch of the class who is overall responsible for the students well being in academics. If the students are not performing well then the GFM get in touch with the parents through telephone or SMS on a regular basis. Teaching faculty feedback from students is taken

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Recent trend of automobile	GL1	02/05/2020	30	EMP	Yes

with
application
in industry

3D Printing technology with application in industry	Workshop	17/01/2020	30	EMP	Yes
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Xplorica Preparation of UPSC MPSC Examination	GL2	13/05/2020	30	EMP	Yes
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Computer Engineering	07/07/2019
BE	Mechanical Engineering	01/07/2019
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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	Computer Engineering	01/07/2019
BE	E&TC Engineering	17/06/2019
BE	Mechanical Engineering	01/07/2019
BE	Civil Engineering	01/07/2019

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

	Certificate	Diploma Course
Number of Students	164	Nil

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Employability Skill Development by Inspiring Indeed InfoTech	04/07/2019	65
Study Abroad Opportunities, IELTS and Scholarship by IDP Education	05/07/2019	50
Salesforce Career Awareness by CloudalyzeInfoTech	08/07/2019	120
Campus to corporate	09/01/2020	70
A personalized online	27/08/2019	65

learning platform for employability		
Opportunities in Government Job Sector	17/09/2019	71
Introduction to Microsoft Certifications	01/07/2019	33
Time management	01/08/2020	38
Power of mind and future planning	02/04/2020	41
Power of Habit	01/09/2020	34
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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	Mobile Resue Robot(Mythos Technology)	4
BE	Automatic Quality Assessment using Echocardiograms(Doctospek Software's Pvt.Ltd., Karve Nagar, Pune)	4
BE	Security for Mobile Applications using Mobile Sensors(Virtue Sky Technologies)	4
BE	Railway Track Crack Detection(VST INFOTECH)	4
BE	System for Heartbeat and Teperature Monitoring with Location Tracking for Solders (Mythos Technologies)	4
BE	Framework for Detecting Dyslexia (Indeed Inspiring Infotech)	4
BE	Fingerprint vehicle security system (L&D Infotech, Narhe)	4
BE	Android Application to detect and provide Post Accident Services(Mythos Technlogies)	4
BE	Wasserstein CNN : Learning Invariant Features for NIR-VIS Face Recognition (Global Hub Technology)	4
BE	Smart Drone for Delivering Medicines (Softech Data Securities)	4

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The Institute has a structured mechanism to elicit feedback from Students, Parents, Teachers, Alumni Employer to monitor and evaluate the quality of teaching learning and other academic and administrative processes. Structured Feedback is collected periodically from above mentioned stake holders through ERP, Google form, Parent Teacher Meet, Suggestion Box.. etc. Student feedback is reviewed and communicated on real time basis to the faculty members. The feedback analysis is shared and discussed in departmental meeting before the commencement of the ensuing semester with all the faculty members through Head of Department (HOD). This method helps the faculty members to take future corrective measures in teaching and curriculum design through affiliating university. The faculty members having highest feedback score are appreciated and note is given for corrective action to the faculty members having feedback score below 70. Online feedback system is available through college website. Students can also give feedback on infrastructure, laboratories, transport, canteen...etc. through the suggestion box available in the department. The feedback is collected from the parents and teachers on the facilities available in the department/Institute. The alumni is also giving feedback on curricula, training, projects...ec. Feedback Analysis: The feedback received from all these sources are discussed in the departmental/institute level meeting and appropriate actions are taken for overall development of the institute.

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	127	127
BE	E&TC Engineering	60	46	46
BE	Mechanical Engineering	180	41	41
BE	Civil Engineering	60	22	22

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1466	64	102	9	111

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
95	95	9	16	1	7
View File of ICT Tools and resources					
View File of E-resources and techniques used					

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

The institute has a mentoring system to monitor overall development of students. A batch of 20 students is assigned to every faculty. The faculty will monitor and guide the same batch of students till the batch passes out. Along with the faculty mentors, professional counsellors (Dr. Rashmi Patil Prof. Yuvraj Patil) are appointed by the institute to help students in case of any personal issues. The schedule for the mentor-mentees meeting is mentioned in the academic calendar of the respective department. The meetings are also conducted periodically through student council with the Heads and Principal to understand the problems faced by the students for corrective measures. During the Pandemic situation of COVID-19, the meetings are hold using online mode. A file of record is maintained for each batch by the mentor. This scheme of mentoring is adapted for the value additions to the students like –

- Bridging the gap between the teachers and students.
- Creation of a better environment in college, where students can approach teachers for both educational and personal guidance.
- Enhancement of knowledge base for both teachers and students alike, due to effective two-way communication.
- Awareness and support to students for GATE, GRE, Civil Services, IES, and other Govt. PSUs examinations.
- Motivation for higher studies and entrepreneurship.
- Advice and support for improvement in academic performance.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1466	102	15

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
95	48	47	63	15

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Vikram M Ghule	Assistant Professor	Dronacharya Award in AIRC4

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
ME	673224510	4	23/05/2020	11/11/2020
ME	673261210	4	23/05/2020	11/11/2020
BE	673237210	8	27/04/2020	19/11/2020
BE	673261210	8	27/04/2020	19/11/2020
BE	673219110	8	27/04/2020	19/11/2020
BE	673224510	8	27/04/2020	19/11/2020
ME	673237210	4	23/05/2020	11/11/2020

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

Dr. D Y Patil School of Engineering Lohegaon is affiliated to Savitribai Phule Pune University, it follows all the evaluation reforms as prescribed by the University. In addition, the Institute has introduced measures on its own. Following are the major evaluation reforms introduced by the University. • College Examination Officer (CEO) - As per University directives, the Institute has appointed an experienced faculty member as College Examination Officer (CEO) and Associate -CEO. The Examination Committee is headed by Principal, assisted by CEO, Associate CEO and one faculty members from each department. University has introduced the model of In-sem examination for Third year (TE), Final Year (BE) and Master of Engineering (ME) courses and online examination for evaluation of First and Second year engineering courses. As per the University guidelines credit system has been introduced for the PG Programmes. The reforms initiated by the Institute are - conducting class test on each unit, prelim examination, mock online tests, mock written test, mock practicals...etc. During the Pandemic situation of COVID-19, the continuous Internal Evaluation is done using online mode as per the guideline received from the University.

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

The Academic calendar of institute is prepared and then departments prepares their academic calendar which is in adherence with the University calendar. All departments conducts the meetings of faculty before term end of previous semester and discusses the syllabus of the program and identifies specialized faculty in particular domain and calls the subject preferences from the faculty. Based on this discussion HOD distributes the work load approved by the Principal. Faculty prepares teaching plan of topics to be covered in upcoming semester as well as course file before the beginning of next semester. The faculty prepares course file by referring standard course file index. It includes details of session plan, course content, previous year University question papers, home assignments, CO-PO-PSO's mapping... etc. The Course file is evaluated by respective Head of Department and Principal. The students are informed about time table, academic calendar and session plan before the start of semester. Institute conducts Unit Tests and Prelim Exam during the term. The Mock Practical and Orals are also conducted. Students academic performance in these tests is evaluated and used to identify the extra efforts required to

improve results. Continuous assessment is done based on students' performance in the above exams, assignments, attendance etc. Course outcome are evaluated based on survey analysis of course and student's performance in exams. All departments organizes co-curricular and extracurricular activities to supplement the curriculum. All departments carries out result analysis and gives the information to IQAC and seeks the guidelines from it for further improvement.

2.6 – Student Performance and Learning Outcomes

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

http://dypic.in/dypsoe/PO_PSO_CO.html

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
673219110	BE	Mechanical Engineering	193	189	98
673237210	BE	E&TC Engineering	46	45	97.82
673224510	BE	Computer Engineering Engineering	145	142	98
673261210	BE	Civil Engineering	65	62	95

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2.7 – Student Satisfaction Survey

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

<http://dypic.in/dypsoe/survey.html>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	730	Aspire, SPPU Pune	2	1
Major Projects	1095	DBT, India	81.95	44

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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

INTELLECTUAL LEARNING SOLUTIONS PROGRAM	Civil Engineering	08/01/2020
Artificial Neural Networks and its Applications in Civil Engineering	Civil Engineering	02/08/2019
Guest lecture on courses offered by Cranfield university, UK	Civil Engineering	15/01/2019
Interaction with students for guiding them to increase their skills and potential.	Civil Engineering	08/01/2020
Data Science with Python	Computer Engineering	29/01/2020
Career Guidance for Research Project Development	Computer Engineering	17/01/2020
Internship Aptitude Test for Advanced Courses	Computer Engineering	14/02/2020

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
Best Teacher	Prof. Uday Kakade	Ajeenkya D.Y.Patil Group	22/12/2020	Best Teacher
Best paper	Khushal Patil, Prem Kakade, Shubham Taywade, Deepak Panchal, Prof. Vandana Chavan	Innovation 2020 E-Conference	22/04/2020	Best paper
Dronacharya Award	Prof. Vikram Ghule	AIRC 4	08/02/2020	Dronacharya Award

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Technology Bussiness Incubation Center	Technology Bussiness Incubation Center	Nil	NA	NA	21/12/2019
IPR-Cell	IPR-Cell	PSP-IP	TCSC Cell	Consultancy	01/01/2019

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
3	2	1

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

Name of the Department	Number of PhD's Awarded
Engineering Science	2
Electronics Tele-Communication Department	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical	4	1
International	civil	16	0.5
International	E TC Engineering	9	1
International	Computer	73	0.5
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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
Civil Engineering	2
Mechanical	6
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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
Behavior of Reinforced Cement Concrete Multistory Building under Blast Loading'	Prof. Prasad Gayake	IRJET-e-ISSN-2395-0056 Vol 3 Issue 3 March 2020 IF-7.34 Paper ID-F TP732605.	2020	2	DYPSOE Pune	Nil
Structural analysis of bubble deck slab	Koshti R.D.	IJSED , Paper ID I JSRDV81308 62	2020	2	DYPSOE Pune	Nil
Effective Parking Management System	Prof Pragya Sharma	IJSRD-IS SN:2321-06 13 Vol. 8, Issue 2,2020	2020	2	DYPSOE Pune	Nil
Assessment of quality of water	Prof.Swapnil Bijwe.	IJTSRD Volume 4, Issue 4, May June-	2020	2	DYPSOE Pune	Nil

of Mutha river from Khadakwasl a Dam to Sangam Bridge.		2020				
comparative analysis and design of RCC elevated service reservoir of circular shape for Ahmadabad village .	Prof. Amol varpe	IJSRD- ISSN: 2321-0613	2020	2	DYPSOE Pune	Nil
Revit in Mechanical , Electric al, Plumbing (MEP) for Facility Management of College Hostel Building	Sanjay M. Karodpati	International Journal of Progressive Research in Science and Engineering Volume-1, Issue-2, May-2020	2020	2	DYPSOE Pune	Nil
Incorporating Green Building Techniques To Existing Building Using Autocad	Prof. Aakanksha Ingale	"International Research Journal of Engineering and Technology (IRJET), Volume 7 Issue 5, May 2020.	2020	2	DYPSOE Pune	Nil
E-Tendering A secured process and challenges faced in it for Civil Engineering Entrepreneur	Koshti R.D.	IJFEAT, Issue 4 Volume 4 Title 11 ISSN 2321-8134	2020	2	DYPSOE Pune	Nil
Stormwater Management using	Prof. Aradhna Ganvir	"International Research Journal of	2020	2	DYPSOE Pune	Nil

Bioswales		Engineering and Technology (IRJET), Volume 7 Issue 5, May 2020.				
Design of water distribution system of ADYPU campus.	Prof. Prasad Gayake	IRJET-V715799	2020	2	DYPSOE Pune	Nil
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Design of composite I-Beam section to prevent web-flange junction failure and improving its axial load carrying capacity	Dr Sayyad, F.B.	International Journal of Innovative Technology and Exploring Engineering	2019	4	Nil	Dr. D. Y. Patil School of Engineering, Pune, India
The mechanics and snap in force estimation of cantilever snap fit joint of lock plate by FEA	Dr Sayyad, F.B.	International Journal of Innovative Technology and Exploring Engineering	2019	4	Nil	Dr. D. Y. Patil School of Engineering, Pune, India
Double loop decoupled proportional controller for dynamic and kinematic	Dr Sayyad, F.B.	International Journal on Emerging Technologies	2019	4	Nil	Dr. D. Y. Patil School of Engineering, Pune, India

model for a ground						
Micromechanical modelling of SiC reinforced in 8090Al-Li alloy metal matrix composite	Dr Sayyad, F.B.	International Journal of Advanced Science and Technology	2020	4	Nil	Dr. D. Y. Patil School of Engineering, Pune, India
Evaluation of Trends and Techniques of Flexible, Wearable and Waterproof Antenna for Wireless Communication: A Survey	Ramiz Shamlik and Sanjay Koli	Lecture Notes in Electrical Engineering Vol.570, Springer, Singapore	2019	4	Nil	Dr. D. Y. Patil School of Engineering, Pune, India
Transformation of Video Signal Processing Techniques from 2D to 3D: A Survey	Sanjay Koli and Ramiz Shamlik	Lecture Notes in Electrical Engineering Vol.570, Springer, Singapore	2019	4	Nil	Dr. D. Y. Patil School of Engineering, Pune, India
Loss Differentiated Channel Aware Rate Adaption for IEEE 802.11n Wireless Links	R. G. Purandare, S. P. Kshirsagar and Dr. S. M. Koli	An International Journal - Wireless Personal Communication (WPC), Springer U.S.	2019	4	Nil	Dr. D. Y. Patil School of Engineering, Pune, India
Automatic Accident Detection Techniques using CCTV Surveillance Videos: Methods, Data Sets	Shilpa Jahagirdar and Sanjay Koli	International Journal of Engineering and Advanced Technology (IJEAT)	2020	4	Nil	Dr. D. Y. Patil School of Engineering, Pune, India

and Learning Strategies						
Emergence and Functionality of 3D Videos	Rameez Muneer Shamlik and S. M. Koli	International Journal of Engineering and Advanced Technology (IJEAT)	2020	4	Nil	Dr. D. Y. Patil School of Engineering, Pune, India
Identification of Sugarcane Foliar Diseases: Methods and Datasets	Swapnil Dadabhau Daphal and S. M. Koli	International Journal of Engineering and Advanced Technology (IJEAT)	2020	4	Nil	Dr. D. Y. Patil School of Engineering, Pune, India

[View File](#)

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	22	102	56	62
Presented papers	102	Nil	Nil	Nil
Resource persons	Nil	Nil	4	Nil

[View File](#)

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Fit India Movement	DYPSOE	3	16
Celebration of Mahatma Gandhis 150th Birth Anniversary	DYPSOE	7	50
Tree Plantation	DYPSOE	20	10
Blood Donation	DYPSOE	30	170
Savitribai Phule Jayanti	DYPSOE	25	50
Road Safety Campaign for the DYPSOE Students	DYPSOE	2	50
Cyber crime and	DYPSOE	3	30

cyber safety			
Road Cleaning at Degugaon	DYPSOE	3	30
Indrayani river side area cleaning	DYPSOE	3	30
Tree plantation at malhargadh vitthalwadi, Dehugaon	DYPSOE	3	30
Celebration of the 5th International Day of Yoga	DYPSOE	3	30
Continuous Contour Trenches formation at Shree Bhandara Dongar	DYPSOE	3	30
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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
Special Camp 2019-20	Participation Certificate	Grampanchayat Maval	28
View File			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Covid help activity	PMC	Social Activity	1	1
ZILHA PARISHAD SCHOOL, HARANTALE	Civil Dept. SOE	Distribution of stationary and shoes to school children on occasion of Honorable Chairman's birthday	1	25
View File				

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Industrial Visit to LNDINFOTECH and A3 Logics India Ltd., Jaipure	Students and Staff	Selfsupport basis	5

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 Program	Internship	DOCTOSPEK Softwares Pvt. Ltd. Pune	08/11/2019	30/06/2020	Rupali Waghmare, Rajeshree Gh anwat, Pooja Khaire, Komal Jagtap
Internship Program	Internship	VIRTUSKY IT Pvt. Ltd., Pune	14/12/2019	30/06/2020	Amey Shimpi, Charudatt Pawar, Sanket Sakore, Sejwal Lad
Internship Program	Internship	MYTHOS Technology, Pune	11/11/2019	30/06/2020	Bharti Mekhla, Bhartiya Relanchal, Beauty Kumari, Samadhan Chavan
Internship Program	Internship	Techoyug Technology LLP, Pune	06/12/2019	30/06/2020	Prabharkar Satpute, Kuld eeps ingh Rajput, Satish chavan, Prajakta Jagdale
Internship Program	Internship	Softtech Data Security, Pune	08/11/2019	30/06/2020	Neha Shinde, Onkar Saswade, Priti Panchal
Internship Program	Internship	Source Code Technology	08/11/2019	30/06/2020	Pratik Deore, Rutuja Khadabharad, Priyanka Patil, Harshala Yeolekar

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
Yogeshwar Associates, Dadadji vasti Lohegaon, Pune	20/03/2019	To train student in handling survey work using the high ended equipment like total station and radar related to road, highways and building.	5
Stalwart BIM studio, Gangadham, Pune	20/03/2019	To conduct following software training program to make student employable	35
Dr Nanasaheb parulekar sakal charity trust (Referred by APG learning)	21/08/2019	share knowledge, new technologies, business activities, placement guidance	82
CADCAMGURU Solutions Private Limited, Pune	22/11/2019	To provide industrial training to students and staff, To provide mentoring to students and to ptepare them for interviews	36

[View File](#)

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
4131976	1932772

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

Existing	490	10	150	14	14	0	0	150	0
Added	0	0	50	0	0	0	0	50	0
Total	490	10	200	14	14	0	0	200	0

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

200 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
Virtual Lab	https://portal.coepvlab.ac.in/vlab/

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
15928020	13701052	14228376	12224976

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

The dedicated classrooms and laboratories are allotted as per the requirement of individual department. Every department has its own computer labs as per requirements. The laboratories are maintained by means of annual maintenance contract. Laboratory assistants are maintaining dead stock register and consumable materials. Annual physical dead stock verification of laboratory Equipments and consumables is held .They also issue it to other laboratories and departments by making entry in the issue book. The demand is made for required consumables by laboratory assistants approved by faculties. Class rooms, staff rooms and laboratories cleanliness is maintained by dedicated housekeeping staff. The institute has central library besides one at each department. There is a library committee which frames policies. The central librarian prepares a list of books and display the updated list semester wise and sends to the department. He also arranges book exhibition annually for the college which becomes a source for new books. There are three Kindles in library which are added with new books periodically. At the end of the semester librarian prepares a report about how many books got issued, returned or misplaced. The copy of departmental project and seminar reports are kept in central library. The departments maintain the master time table, Laboratory time table, weekly review of number of lectures and practicals conducted by teachers, Provisional and final list of defaulters, record of parents visits and students feedback reports is also prepared. The defaulter list of students is displayed on notice board and also on college web site for promulgation. The monthly activity report is made by each department and put on college website. The institute has a seminar hall and auditorium common to all. The requisition for the same is required to be given centrally to principals office. The common infrastructure can be availed by putting a request of utilization through proper channel. The maintenance of support facilities is done through maintenance department which has dedicated pool of plumbers, electricians and carpenters. The institute has huge sports complex having all the indoor and outdoor games. The institute has dedicated sports coach, to facilitate teachers and students with sports, recreation, health checkups etc. He also arranges

competitions at college and university level thus providing healthy and spirited environment. In the prevailing covid-19 pandemic the Institute has provided Learning Management System (LMS) i.e. a digital platform on which all on line classes/assignments/test are conducted. The discussion on projects seminars are also conducted on LMS. Teachers have uploaded comprehensive study material on LMS which student can watch at their suitable time place. Due to Pandemic situation the Institute has conducted Practicals on Virtual Lab. This has given to the students basic understanding of the practicals. The main stakeholders i.e. students parents shown interest responded positively towards LMS based teaching learning process. The institute has adequately sanitized the environment for conducting routine activities during covid-19 pandemic. There are adequate hand sanitizing machines at the institute besides sanitization tunnel at entrance of the institute.

<http://dypic.in/dypsoe/new.html>

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	Scholarships and freeships	855	35411024
Financial Support from Other Sources			
a) National	0	Nil	0
b) International	0	Nil	0
View File			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Bridge courses	13/10/2019	174	Industrial Visit to Katraj Dairy, Pune
Bridge courses	10/10/2019	190	Industrial Visit to Hydropower Station, Dimbhe Dam
Bridge courses	04/10/2019	174	Educational tour at Dr.D Y Patil Institute of Engineering and technology, Pimpri, Pune
Bridge courses	05/09/2019	163	Industrial Visit to Auto Cluster Development Research Institute, Pune
Bridge courses	30/08/2019	61	Seminar on Industrial Requirements by Azuko Technical

			Institute
Bridge courses	08/07/2019	150	Salesforce Career Awareness by Mr.Niranjan Mankame for TE BE Students
Bridge courses	18/07/2019	62	Microsoft Certification by Mr.Sandeep Jethani for TE Students
Bridge courses	25/07/2019	55	Guest lecture on various softwares
Bridge courses	30/01/2019	110	Seminar on GATE Examinations by ICE(Mr.Sandeep Gaikwad)
Bridge courses	05/07/2020	130	Study Abroad opporlunities, IELTS and Scholarship,, by IDp Education
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	A lecture on GATE exam preparation	103	Nill	Nill	Nill
2019	A lecture on preparation for personal interview and Group discussion	Nill	97	Nill	Nill
2019	A session on employability skill development	Nill	121	Nill	Nill
2019	A session on preparation of MPSC and UPSC exams	58	Nill	Nill	Nill
2019	A session on Discipline and career	Nill	40	Nill	Nill

counseling

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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
Nil	Nil	Nil

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
A One Salasar Pvt. Ltd.	270	9	Nil	Nil	Nil

[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	Nil	Nil	Nil	Nil	Nil

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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	3

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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
Intercollegiate lawn tennis Event ,Pune district zone for men organized by Savitribai phule pune university 3	Zonal	10
Intercollegiate lawn tennis Event ,Pune district zone for women organized by Savitribai phule pune university 3	Zonal	8

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Cly Modelling	National	Nill	1	71845805C	Manthan Kalpande
2019	Western Vocal Solo	National	Nill	1	71920260E	Priyanka Sagar
2019	Cly Modelling	National	Nill	1	71845805C	Manthan Kalpande
2019	Skit Team	National	Nill	1	Nill	Skit Team
2019	Best actress	National	Nill	1	71920032G	Ananya C hattopadhy ay
2019	Western Vocal Solo	National	Nill	1	71920260E	Priyanka Sagar

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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)

Yes, Institute has Student Council of the following members 1. Chairman - Principal 2. Staff Advisor: Dean Academics 3. President - Final Year Student 4. General Secretary - TE 5. Members (Three) - FE SE Students The main aim of the student council @ DYPSOE is to provide platform to develop leadership skills by organizing and executing the various activities and representation on various administrative bodies. Every department has an active student association consisting of student members. The student members of the association are elected through interviews. The student association comprises President, Secretary, Joint Secretary, Treasurer and student council members. The association is monitored by senior faculty members who are responsible for the smooth conduct of the association meetings and events. The student association plays a dominant role in many curricular co-curricular activities which includes Special Lectures by experts, Seminars, Workshops, Symposium, National Level Conference and Intercollegiate meet to develop the personality and skills of the student's ability. Eminent speakers and industrialist deliver speeches on topics relevant to current employability scenario and requirements of industry. Student members of the associations also observe important days like National Festivals, Birth/Death Anniversaries of important leaders, International Women's Day, International Yoga Day, Sports Day, Teachers Day, Fresher's Day, Farewell Party, Joy of giving Week, World Literacy Day, etc. They also organizes cultural festivals and annual social gathering Eternity every year. They are also members of various administrative bodies of institution like IQAC, III Cell, EDC Cell, Alumni Cell, Grievance Cell...etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, Name of Alumni Association : Alumni Association of D. Y. Patil School of Engineering, Charholi Bk Address : Dr. D. Y. Patil Knowledge City, Charholi Bk, Via Lohegaon, Pune 412105 Registration No : Maha/ 1392/2017/Pune of date 5/10/2017

5.4.2 – No. of enrolled Alumni:

327

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Organized by : Alumni Association of Dr. D.Y. Patil School of Engineering, Pu
 2. "Alumni Meet 2K 20" organized by Civil Department on 31.01.2020 at Seminar Hall ne Targeted Audience : B.E. Passed out 2018-19 1. "Alumni Meet of 2018-19 Pass out Batch "organized on 06.02.2020 at Mechanical Department Room No 128.
 3. "Milap 2K 20" Alumni Meet Event organized by Computer Engineering Department on 06.02.2020 4) Alumni Meet organized by ETC Department on 06.02.2020 .

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The institution follows the decentralised administration to a considerable extent. Institute delegates adequate and systematised authority to the departments to work towards decentralised governance system. There are various committees involving faculty which are constituted to manage different institutional activities. Committees are formed for the various curricular, co-curricular and extracurricular activities to be conducted during the academic year. The departments are encouraged to arrange various activities with the support of Management for the benefit of Students and Faculty, also the management has extended enough financial powers to Head of the Institute and Department Heads. Regular meetings are conducted with the academic and the nonacademic staff by Principal. The suggestions and opinions of the staff members are considered. HOD's are delegated with the academic and administrative work. The departmental meetings are conducted by the HOD's with the teaching staff focusing on improving the academics, co-curricular and extra curriculum activities. Various works are imparted to the faculty, timetable, teaching plans, lesson plans, course material, work dairy which is reviewed by the HOD's at the end of the month. In addition to the academic responsibility shouldered, full-time teaching staff also takes up administrative work and are on the functional committees that cover all aspects of governance of the college. Thus, role of faculty plays a vital role in institutional achievements. As stated earlier, through participative management, the faculties are involved in various decision making bodies of the institute, such as, Local Management Committee, Internal Quality Assurance Cell, Academic Monitoring Cell and Grievance Redressal Cell. All these committees meet and the major decisions taken are to remove delays and ensure total transparency in the procurement of items.

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
Admission of Students	The admission in the college is offered by the central admission process (CAP rounds) and system as decided by the apex bodies including

DTE, AICTE, and Savitribai Phule Pune University. The college also offers Facilitation Center for the professional course admissions under DTE, Maharashtra. Institute level admissions are on first come first serve basis. Reservation policy is strictly followed as per government rules. Attempts are made to admit students comprising all socioeconomic backgrounds. Admission Advertisement is published in local Newspaper with highlighting features of college. Admission committee guides student and parents.

Industry Interaction / Collaboration

The dedicated team of faculty members is formed along with TP cell of college to fetch collaborative interactions with the industries working in the field of courses offered. The students are regularly sent for internship in addition to industrial training mandated under SPPU syllabus. The faculty members are also promoted to interact with industry staff members are properly credited through the performance based appraisal policy of college for interaction with industries. 'Memoranda of Understanding' (MoU) are made by various departments with industries for professional development of the students and staff members through the collaborative work. The industry people are requested to become part of examination system to evaluate the academic performance of the students. The industry experts with proven track in the subject approved by the University are normally deputed as resource persons for students. That benefits teachers as well.

Human Resource Management

The institute has recruited adequate number of faculty members, technical staff the class four staff members as per the guidelines mandated by the apex bodies.

Teaching and Learning

The process is monitored by the higher authority time to time through frequent meetings with teachers and also by requesting the feedback from the students. Meetings to discuss academic results of subject from respective department are also routine part of practice. Suggestion box department wise are available for anonymous feedback to improve on the

system practices. In the meeting after rigorous discussion the proper suggestions to improve on the teaching learning practices are communicated to the concerned person for implementation and the loop is closed during the next meeting in same academic year or semester.

Curriculum Development

Being affiliated to University and non-autonomous college, we are not authorised to frame Syllabus by ourselves as such. As and when the opportunity is available the faculty members of respective subjects are deputed as subject experts by the college on University committee. College also allows staff members to contest the elections for various positions in the University bodies including Board of Studies elections. Also college provide platform for Curriculum development of university by hosting workshops and seminars at college as per the university guidelines.

Examination and Evaluation

Being affiliated with SPPU we are not the deciding authority. The teachers are promoted to be active member of central assessment program (CAP) of university regularly. The senior faculty members of college are also given 'On Duty leave' for exam related work like paper setting, online as well as practical and oral exam in campus off the camps. The college hosts university exam for all subjects offered as per scheduled by SPPU with adequate on site facilities necessary to conduct the examination effectively. Every single decision and policy observed by the college is student centric and is in their academic interests precisely.

Research and Development

The Institute has Research and Development Cell for promoting, strengthening and stimulating research and consultancy related activities. Administrative help, academic assistance and financial support is given to faculty and students for implementation of research projects, design and development of vehicles for various competitions such as SAE BAJA, Supra, Go-kart, Aero design etc. Every department has identified the thrust areas and available infrastructure is used optimally to obtain desired

Research outputs. Institute has received grants for various research projects from government and non-government agencies. Also, the institute regularly conducts workshops and Seminars on Intellectual Property Rights (IPR) and industry academia practices. The institute motivates faculties and students to publish their research work in peer reviewed journals and conferences. Institute has also stated code of ethics to check malpractices and plagiarism in research. There is significant boost in the research publications in reputed national and international journals and conferences. Faculty members and students are motivated for research activities and encouraged to file patents. Institute has well defined R D incentive scheme and also framed consultancy policy to encourage faculty members for research consultancy. Institute supports students to participate various technical and research activity/competitions to inculcate research component amongst them.

Library, ICT and Physical Infrastructure / Instrumentation

Institution has an adequate number of books, computer labs, internet connectivity, scientific instruments, and classrooms and play ground. E Library is made available for students. The purchase in library every year is also done in accordance with SPPU syllabus. Students and teacher are facilitated with user ID and password to access e journals. All labs classrooms are well equipped for interactive teaching learning. Up gradation as well as updating of all labs and classrooms is done in accordance to revised syllabus and Industry requirement. Every year the purchase is intended. For technical specifications the teachers are authorised and purchase is monitored by the management. All kind of maintenance work in college is monitored undertaken by workshop.

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

E-governance area	Details
Planning and Development	All the mandatory disclosures as per apex bodies are in place
Administration	Institute always work together to achieve betterment in administration by

	maintaining the utmost transparency in all the courses offered.
Finance and Accounts	In order to maintain transparency all the payments made or received are done online or through cheques. In order to meet the daily expenses to be incurred, petty cash facility is available with certain financial freedom delegated to the Principal.
Student Admission and Support	We follow the CAP round process laid down by the DTE Maharashtra and the other apex bodies. Information and status of admission is always updated online. College supports the admission process by hosting facilitation center.
Examination	The necessary Infrastructure and human resources are well in place at college for organizing the university examination either online or the manual examination. The state of the art system to support the entire examination process is established at the college, including dedicated server for examination work. Receiving the question papers, submission of student's performance evaluation report, remuneration bills towards examination work are observed using online system. The authorities believe e-governance help in transparency and trust worthy system of work.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Gaurav Tiwari	Linux	-	100
2020	Ajita Mahapadi	IOT	-	1100
2020	Chaitanya Bhosale	2 Days State Level Seminar on Cloud Computing Upcoming Technologies	-	500
2019	Chaitanya Bhosale	Linux	-	100
2020	Yogesh Mali	STTP on Software as a Service	-	1500

2019	Amruta Chitari	Linux	-	100
2019	Jayashree Chaudhari	Linux	-	100
2019	Pallavi Shimpi	Linux	-	100
2019	Dr.Sunil Rathod	AI- Search Methods	-	1100
2019	Dr Pankaj Agarkar	Linux	-	100
View File				

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	5 Days FDP on Python with Django	-	07/10/2019	11/10/2019	5	Nil
2020	MOOCs and Moodle Challenges and Opportunities in Higher Education	-	13/12/2019	13/12/2019	194	Nil
2019	-	One Day Linux Workshop	22/08/2019	22/08/2019	Nil	16
2019	-	Basics of computer fundamental for peon and sweeper	30/08/2019	30/08/2019	Nil	30
View File						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Symposium on Internet of	1	02/11/2019	02/11/2019	01

Things				
5 Days FDP on Python with Django	18	07/10/2019	11/10/2019	05
Linux	6	23/08/2019	23/08/2019	01
Cyber Security FDP	1	19/08/2019	24/08/2019	06
Python	1	28/04/2020	04/05/2020	07
1week FDP on Recent Research Development in Materials Engineering and Mechanical Design	1	01/06/2019	07/06/2019	07
STTP on Assessment on Evaluation under OBE1	1	10/06/2019	14/06/2019	05
NPTEL - E waste management	1	01/06/2019	01/11/2019	12
NPTEL AI-Search Methods	1	20/06/2019	30/06/2019	10
PPS FDP	1	25/07/2019	26/07/2019	2
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
65	95	98	98

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Employee's Provident Fund Medical and maternity leave is provided to staff. Loan benefits from Ajeenkya Employees Credit Coop society Ltd. Medical treatment at Dr D Y Patil Dental College Lohegaon on subsidized rates. Sports facility for staff. Free Yoga classes and meditation sessions.	Employee's Provident Fund Medical and maternity leave is provided to staff. Loan benefits from Ajeenkya Employees Credit Coop society Ltd. Medical treatment at Dr D Y Patil Dental College Lohegaon on subsidized rates. Two set of uniform is given to nonteaching staff every year free of cost. Sports facility for staff. Free Yoga classes and meditation sessions.	Medical treatment at Dr D Y Patil Dental College Lohegaon on subsidized rates. Free Yoga classes and meditation sessions.

6.4 – Financial Management and Resource Mobilization

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

The management has maintained a very transparent financial system in the institutions. There are well defined processes for sanction of budget to expenditure. An internal approval system for all expenses is in place. Accordingly bill/voucher is recommended by the Head of the Department and approved by the management. All the bills/vouchers are audited by an Internal Auditor on a routine basis. Proper record of all the expenses is maintained by the accounts department. An external auditor appointed by the trust, executes the statutory audit. Statutory financial audit is conducted in two sessions, one in the month of October/November for the period of April to September and second in the month of April /May for the period of October to March. Finalization of the account is completed in June/July and audited statements are prepared in June/July duly signed by the Principal, and chartered accountant. Then audited report is submitted by chartered accountant. No violations in approval and utilization of budget.

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
Indian Council of Social Science Research (ICSSR)	250000	National seminar entitled MOOCs and Moodle-Challenges and Opportunities in Higher Education
View File		

6.4.3 – Total corpus fund generated

500000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Committee of Senior Faculties from other Institutes	Yes	IQAC Internal Assessment Committee
Administrative	Yes	Institute Appointed Chartered Accountant (Sadanand Shetty Company)	Yes	Admin office

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

Parent teacher meet • Feedback / Suggestions from parents if any • Providing contacts for Industrial Visits / Expert lecture / etc. • Providing leads / contacts for placement of students.

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

Institute conducts training programme for Lab Assistant Training in respective

departments every year. Also computer training is provided to peons and class IV employee's to make them aware about computer literacy. Also some soft skill sessions are arranged to improve their communication skill.

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

1. Standardisation of feedback forms. 2. Introduced Student satisfaction survey (SSS). Analysis of SSS was shared with the respective department for preparation of action plan in order to improve overall quality of the department and institute. 3. The institute has started Connect (individual industry institute Connect) program second semester of 201819. This year it is made mandatory for third year students to do internship after the end sem. examination under Connect program. 4. Started Technology Business Incubation Centre.

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
2020	Parent Teacher Meet	27/02/2020	27/02/2020	27/02/2020	30
2019	Ingeniuos 2k19	19/09/2019	19/09/2019	19/09/2019	175
2019	Centre of Excellence [Data Securities]	16/07/2019	16/07/2019	16/07/2019	48
2019	Microsoft Certifications	18/07/2019	18/07/2019	18/07/2019	33
2020	Microsoft Certifications	09/01/2020	09/01/2020	10/01/2020	70
2020	Centre of Excellence [CAD CENTRE]	18/08/2019	18/08/2019	18/08/2019	22

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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
Gender equity promotion	23/09/2019	23/09/2020	56	6

programs

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

Tree Plantation - Date: 22/02/2019 - No of participants- 33 Indrayani river side area cleaning - Date: 20/02/2019 - No of participants- 33 Road Cleaning at Dehugaon - Date: 19/02/2019 - No of participants- 33 Continuous Contour Trenches formation at Shree Bhandara Dongar - Date: 21/02/2019 - No of participants- 33 Percentage of power requirement of the University met by the renewable energy sources - NIL

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	4
Provision for lift	Yes	500
Ramp/Rails	Yes	4
Braille Software/facilities	No	Nil
Scribes for examination	Yes	4
Special skill development for differently abled students	No	Nil

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
2020	1	1	23/01/2020	1	Road Safety Campaign for the DYP SOE Students	Road Safety	52
2019	1	1	29/08/2019	1	Fit India Movement	Fitness	19

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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)
Code of conduct (handbooks) for various stakeholders	23/07/2019	Students Dress Code: both boys and girls have dress code of Trouser and Shirt in summer season and Trouser, Shirt and Blazer in winter season.

Students are not permitted to wear revealing clothes in the campus. Students Attendance: Every student must have to attended minimum 75 of the total number of lectures conducted in the class by the faculty and 100 of the total number of practical's conducted in the laboratory. Students are required to wear the Identity cards is mandatory.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Teacher's day celebration by Computer Dept	05/09/2019	05/09/2019	200
Helping Hands Collection for Flood Affected People	13/08/2019	13/08/2019	350
Parents Meet by Computer Department	18/07/2019	18/07/2019	250
Guru Pournima Celebration 2019	16/07/2019	16/07/2019	350
Celebration of Mahatma Gandhis 150th Birth Anniversary	02/10/2019	04/10/2019	57
Blood Donation	22/12/2019	22/12/2019	200
Savitribai Phule Jayanti	01/01/2020	01/01/2020	75
Cyber crime and cyber safety	18/02/2020	18/02/2020	33
Celebration of the 5th International Day of Yoga	21/06/2020	21/06/2020	33
Discipline and Carrier Couselling sessions	10/07/2019	19/02/2020	451

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

1. Tree Plantation 2. Use of public transport facility 3. Use of recycled water for gardening 4. Use of LED light 5. Use of ERP 6. Plastic Free Campus 7. Green Campus

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. **Project Based Learning:** The one of the best practice in first year engineering is the implementation of Project Based Learning (PBL) in order to enhance the employability of students also to enhance their practical problem solving abilities and equip them for success in the modern world. The PBL is implemented through Lab experimentations, design experiments, minor mini projects, industrial sponsored projects, internships and various cells initiatives (EDC, III, R D, TBI). The student preparing the projects spanning the areas from soft skills technical skills and interview skills for enhancing technical skills and by virtue of which our students are representing the institute presenting their innovative ideas at various project competitions at state national level. More profoundly said entrepreneurship, innovation and knowledge are interrelated, due to which institute cultivate students toward entrepreneurship.

2. **Think- Pair- Share Activity for Slow Fast Learners:** In first year classrooms faculty have to deal with different types of students some are very intelligent who learn very fast and some are quite weak who learn very slowly. Therefore we determine the abilities of the students in the class. Based on the ability determined, we observed that some students need only guidance and some students need a hard work and regular attention. Generally on the basis of their learning speed, students are classified in two groups advanced learners and slow learners. In these groups, students think, pair and then share the outcome of task given by the faculty. Each type of students has different learning attitudes and learning habits. Our faculty has adapted a teaching methodology such that he/she may not lose the attention of the slow learners and bore the advanced learners. We keep records based on student progress and observation. This activity helps directly for improvement in the academics.

3. **Remedial Classes for weaker students:** The environment in the first year engineering provides an ecofriendly atmosphere conducive for the development of the average below average students. Remedial classes are conducted for first year students to improve the performance of weaker students in all subjects. These classes are conducted in three stages. During remedial classes subject content are again taught with more numerical with simplification and student's difficulties are solved. These classes facilitate one to one interaction between teacher and students. It has resulted in increased transition rate. Various teaching-learning tools are used for content delivery of syllabus. Blended M-Tutor and MOOCs along with Coursera, NPTEL, Virtual Labs, were conducted for quality delivery of the few contents of different courses.

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

<http://dypic.in/dypsoe/new.html>

7.3 – Institutional Distinctiveness

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

The College recognizes the need for and desirability of encouraging the broad utilization of the results of research by scholars and acknowledges the importance of the publications in bringing innovative research findings to practical application. The institute has the vision - Empowerment through quality education and to achieve this, the institute is continuously putting efforts for satisfying all the stake holders. R D Cell: The Institute has Research and Development Cell for promoting, strengthening and stimulating research and consultancy related activities. Administrative help, academic assistance and financial support is given to faculty and students for

implementation of research projects, design and development of vehicles for various competitions such as SAE BAJA, Supra, GoKart, Aero design etc. Every department has identified the thrust areas and available infrastructure is used optimally to obtain desired Research outputs. Institute has received grants for various research projects from government and non-government agencies. Also, the institute regularly conducts workshops and Seminars on Intellectual Property Rights (IPR) and industry academia practices. The institute motivates faculties and students to publish their research work in peer reviewed journals and conferences. Institute has also stated code of ethics to check malpractices and plagiarism in research. There is significant boost in the research publications in reputed national and international journals and conferences.

Faculty members and students are motivated for research activities and encouraged to file patents. Institute has well defined R D incentive scheme and also framed consultancy policy to encourage faculty members for research consultancy. Institute supports students to participate various technical and research activity/competitions to inculcate research component amongst them. Entrepreneurship Development Cell (EDC Cell) has been established to support and conduct the activities for the students those are interested to become entrepreneur and have innovative ideas with business/startup potential. In this regard ED Cell has signed MoUs with various organization and also conducted good number of activities for strengthening entrepreneurship. Bloom's Taxonomy: Unit tests are conducted on every unit and Home Assignments are given for every subject at the end of every unit to inculcate self-study practice among the students. Unit tests and Assignment questions are framed based on learning levels of Bloom's taxonomy such as remembering, understanding, applying, analyzing, evaluating and creating which help students to understand the questions clearly and teachers to evaluate students' learning level effectively. IPR Cell: Intellectual property plays an important role in providing a competitive edge to any Institution. The DYP SOE recognizes the importance of generation of intellectual property by its teachers and students. The college is committed to do all that is within its powers and obligations to encourage the creativity and innovation of its people, which can lead to generation of intellectual property (IP). This cell provides support and guidance to the engineering students and staff in protecting their inventions and creations. The cell has conducted many workshops and seminars for promoting IPR activities.

Provide the weblink of the institution

<https://www.dypic.in/dypsoe/new.html>

8.Future Plans of Actions for Next Academic Year

The plan of action for the academic year 2020-2021 include the following: . 1]To enhance the number of smart class rooms in the academic departments. 2] To introduce fully e-based system for academic departments, different administrative processes like, admission, academics administration, etc. 3] To strengthen the liaison among the stakeholders like, students, teachers, parents, employers, alumni etc. 4] To enhance collaborative research among the departments and to take initiative for Inter-institutional collaboration 5] To conduct more number of seminars, conferences and workshops of National and International importance at our campus. 6] To fulfill our social obligations. 7] To arrange staff development programme for non-teaching staff. 8] To protect the environment. Conduct an Environmental Audit. 9]To strengthen industry linkages. 10]To strengthen National and International linkages. 11] To strengthen alumni engagement. 12] To improve the ratio of PhD faculty members keeping in view the requirement of both Indian and International accreditation. 13] To submit major research proposals to various funding agencies for fetching research grants. 14] Initiate e-documentation for IQAC 15] To increase campus placement number. 16] IEEE / Science Direct Journals in the library. 17] Language lab 18] Appraisal

system for teaching non teaching. 19] 2F 12 B recognition.