YEARLY STATUS REPORT - 2020-2021

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. Mrs. P. Malathi
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	2027653054
• Mobile No:	9823152302
• Registered e-mail	principal@dypcoeakurdi.ac.in
• Alternate e-mail	viceprincipal@dypcoeakurdi.ac.in
• Address	Sector 29, Nigdi Pradhikaran, Akurdi, Pune
• City/Town	Pune
• State/UT	Maharashtra
• Pin Code	411044
2.Institutional status	
• Type of Institution	Co-education
• Location	Urban
• Financial Status	Self-financing

• Name of the Affiliating University	**Savitribai Phule Pune University**
• Name of the IQAC Coordinator	**Dr. Mrs. Preeti Patil**
• Phone No.	**02027653054**
• Alternate phone No.	**02027653057**
• Mobile	**8329747183**
• IQAC e-mail address	**iqac@dypcoeakurdi.ac.in**
• Alternate e-mail address	**hod_it@dypcoeakurdi.ac.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.dypcoeakurdi.ac.in/naac
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.dypcoeakurdi.ac.in/downloads

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.06**	**2017**	**27/11/2017**	**26/11/2022**

6.Date of Establishment of IQAC	**16/02/2017**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. Vinay Kulkarni, Department of Mechanical Engg.	**Consultancy**	**InspaTech Engineering**	**2021; one year**	**300000**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**	
• Upload latest notification of formation of IQAC	View File	

9.No. of IQAC meetings held during the year	4	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	No	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	View File	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	Yes	
• If yes, mention the amount	187000	

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

Civil Department organized Porgram on "Outcome Based Education " in Collabotaion with AICTE-ISTE received funding of Rs. 94000

Computer Department Received funding of Rs. 93000 for Refresher Course on AI

Received recognition as an Excellent/ Outstanding University in the 2020 ACI Award for University Student Activities Program under the Guidance of IQAC

Department of Civil Engineering organized "International e-Conference on Sustainable Development in Concrete Technology ICSDCT 2021" on 19-21st August 2021

Start of new Under Graduate program in Robotics and Automation.

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

Plan of Action	Achievements/Outcomes
To achieve effective online Teaching and Learning due to COVID – 19 Lockdown	**Digital Infrastructure such as MS Teams and collpoll were implemented and faculty members have to conduct lectures in MS Teams and need to upload attendance, notes ,assignments in Collpoll. All internal exams need to be conducted centrally via Collpoll.**
Conduct Activities under IIT Nodal Center	**Under IIT Nodal Center-153 Institute has conducted Virtual Labs for all students for various subjects. Students and Faculty members participated in workshops organized by IITB under NMEICT.**
To Promote Student Development Programs	**Students undergone with online courses such as Coursera courses, NASSCOM Courses. Various Workshops for recent trends were organize by departments in order to enhance students knowledge**
To Strengthen Industry Support	**Departments of Instrumentation and Control received DeltaV DCS System with two engineering workstations from Emerson India for DCS Centre of Excellence.**
To enhance Stakeholder Connect	**Departments conducted Parent Teacher Meet in online Mode. Alumni interaction is conducted by departments..**
Safety Measures has to be taken during COVID	**COVID Cell is implemented with team of faculty members and Non Teaching staff to prevent infection and to maintain hygiene in the Institute.**
Motivate Students to participate in National/International Level Events	**Students Won various Prizes at State, National and International Level**

Organize co-curricular and Extra Curricular activities to enhance students technical skills	Institute has organized various Activities in Association with Students Association and Reputed chapters.
Organize events under Industry collaboration with Industry	Department of Computer Engineering organized online training on Block Chain, Quantum Computing, and Enlighten 360 Cloud under Center of Excellence for Cloud Computing and AI in collaboration with ESDS, Nashik on 1st March 2021
Develop Innovative Approach amongst Students	Innovation and Incubation cell of DYPCOE in association with Ministry of Education's Innovation Cell(MIC) and Savitribai Phule Pune University (SPPU) is organized Session on Innovation and Start up Ecosystem.
Organize FDP/STTP/Workshop/Seminar/Webinar	Institute has organized various events in association with recognized bodies like AICTE, ISTE, SPPU
Institute must grab Honors and Recognitions at National and International Level	Institute Received recognitions and awards from Government and Non Government bodies
Encourage faculty members to actively participate in Research and Development	159 Patents has been published in last three years out of which 3 patents were granted.

13.Whether the AQAR was placed before statutory body?

Yes

- Name of the statutory body

Name	Date of meeting(s)
Governing Body	28/02/2022

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2021	**28/12/2021**

Extended Profile

1.Programme

1.1	**425**
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	[View File](#)

2.Student

2.1	**3709**
Number of students during the year	

File Description	Documents
Data Template	[View File](#)

2.2	**476**
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	[View File](#)

2.3	**1050**
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	[View File](#)

3.Academic

3.1	**208**
Number of full time teachers during the year	

File Description	Documents
Data Template	[View File]

| 3.2

Number of Sanctioned posts during the year	**183**

File Description	Documents
Data Template	[View File]

4.Institution

| 4.1

Total number of Classrooms and Seminar halls	**44**
4.2

Total expenditure excluding salary during the year (INR in lakhs) | **50250936** |
| 4.3

Total number of computers on campus for academic purposes | **848** |

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Institute is affiliated to Savitribai Phule Pune University (SPPU).The final draft of the approved curriculum is circulated by the university to all the affiliated institutes which is developed and approved by the Board of studies of the respective stream. The Board of studies for every stream is constituted by the SPPU, which includes senior faculties from affiliated institutes, representative from industries and various organizations related to academics and research. Curriculum is revised once in every four years. Latest revision in curriculum for all disciplines of Engineering under SPPU was done in the year 2019

For effective implementation of curriculum, Institute practices the following action plan,

1. Academic calendar is prepared at Institute and Departmental level in line with the academic calendar of University. Due to the Covid 19 pandemic, there were slight variations (10 %) in the University Calendar and Institute calendar for the commencement of the semesters. Rest all the academic activities were in line with the SPPU Calendar. Institute had started the new semesters before the date mentioned by the university.
2. Subject allocation is done at the department level by considering the competency level and the preferences given by the individual faculty members.
3. Faculty are encouraged for registering and attending various FDPs , Seminars , workshops required for upgrading them as per requirement of curriculum .
4. Experimental set-ups in all the laboratories are tested and maintained regularly to conduct practical sessions.
5. Academic Time Table (Master Time Table, Department Time Table, Class and Laboratory time table and Individual Time table) is prepared, distributed and displayed, with duly signed by the authorities, before the commencement 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, curriculum Gap. Content beyond syllabus, planning for gap fulfillment, Model Question papers, Model Answer Papers, Unit Test Papers and MCQ's (if applicable) etc. It is checked and verified by HOD, Department and College Academic coordinators on regular basis during the semester.
7. After commencement of classes faculty members executes the teaching plan and maintains the record of the following for each subject assigned to them:-

- Theory and Practical's attendance and continuous performance.
- Communication with the parents about their ward's performance, through SMS, Phone calls, letters and parent teacher meet.
- 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, Oral-Viva, Tutorials, Assignments, Seminars, Preliminary examinations, Re-tests, Mock Assessments.

8.Daily academic monitoring is conducted by academic coordinators to ensure smooth conduction of academic Sessions as per schedule.

9. Departments conducts regular meetings to ensure effective conduction of academic sessions

10. During Covid 19 pandemic period class room teaching was conducted through online teaching platforms like Microsoft Teams, Google Meet and many more.

11. During the Pandemic period, few of the possible practical Assignments were performed by students using virtual laboratory platform offered to institute by IIT Bombay for Experiential Learning.

12. Student's performance is assessed through offline mode however assessments were also done using online methods like quizzes , presentations and many more during Covid 19 pandemic time.

File Description	Documents
Upload relevant supporting document	[View File](View%20File)
Link for Additional information	https://www.dypcoeakurdi.ac.in/images/Downloads/Academic_calender_2021-22_SemI.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

1. **Department academic activities are conducted as per academic calendar which is in line with Institute and academic calendar of University. Due to the Covid 19 pandemic, there were slight variations (10%) in the University Calendar and Institute calendar implementation for the commencement of the semesters.**
2. **If there is revision in curriculum, the faculty attends the necessary FDP / workshops as per the revised curriculum.**
3. **Academic Audit is conducted under the leadership of Dean Academics. Dean appoints a team for the audit of all the departments. The final Audited reports of all the departments are submitted to Dean Academics for observations and necessary action.**
4. **Internal assessment is done in offline or online mode by conducting Class tests, Unit tests and prelim examinations. During Pandemic,assessment activities like Assignments, Quizzes, Internal examinations are conducted through Learning Management Systems, Coll Poll and Microsoft Soft forms forms**

File Description	Documents
Upload relevant supporting documents	[View File]()
Link for Additional information	**Nil**

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	**A. All of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	[View File]()
Any additional information	**No File Uploaded**

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

12

File Description	Documents
Any additional information	[View File]()
Minutes of relevant Academic Council/ BOS meetings	[View File]()
Institutional data in prescribed format (Data Template)	[View File]()

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement

for year: (As per Data Template)

215

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

1165

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

1165

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

University has included few courses in curriculum related to Professional Ethics, Gender, Human Values, Environment and Sustainability as audit courses. These courses are offered by the department to the students. Audit courses are selected by students based on their choice and it is mandatory by the university to complete the audit course for the program completion.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

70

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

290

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution	**A. All of the above**

from the following stakeholders Students Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	[View File](#)
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	**No File Uploaded**
Any additional information(Upload)	[View File](#)

1.4.2 - Feedback process of the Institution may be classified as follows	**A. Feedback collected, analyzed and action taken and feedback available on website**

File Description	Documents
Upload any additional information	[View File](#)
URL for feedback report	https://drive.google.com/file/d/1oeJjaCRE1BA8xYvMyXDqEJq7QMkUoCpw/view?usp=sharing

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

952

File Description	Documents
Any additional information	[View File](#)
Institutional data in prescribed format	[View File](#)

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

397

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Students admitted for various programmes under D. Y. Patil College of Engineering, Akurdi Pune are from different social background with varying intellectual skills.

The curriculum is received by SPPU to all the affiliated institutes. This plays a vital role in the student's development professionally. In addition, students participate and showcase their various talents in various co-curricular activities.

D. Y. Patil College of Engineering provides equal opportunities to all the students, depending upon their learning levels. Generally, the students are roughly categorized as advanced learners and slow learners, based on their academic performance in every course through internal assessments and final assessments. The students doing better in academics are motivated to get involved in additional activities. To name a few activities are as follows:

1. Google developer students club: It is a community based groups of students interested in Google developer technologies. Students from all the undergraduate programs with an interest in growing as a developer are provided an opportunity to learn and skill themselves. By joining a GDSC, students multiply their knowledge in a peer-to-peer learning environment and build solutions for local businesses and their community.

2. Website Development with Python (Django): To nurture technical knowledge of students to cope up with the recent trends and technologies Department of Information Technology organized a one week workshop on Website Development with Django Framework in collaboration with Geniobits Private Limited in association with D. Y. Patil College of Engineering, Pune from 26-July-2021 to 30 -July-2021. The workshop basically deals with web development using Django.

3. Software development: Students of Information Technology program developed software for determining CO-PO attainment and finding discrimination index under the guidance of Prof. Amita Jajoo. The students from second year engineering with an interest of software development and advanced learning capabilities were provided an opportunity to develop a software application. The students have successfully developed and have launched the software for faculty member's use in the Institute. All the bugs were removed and the software is launched by giving access on Institute website. (https://adiii013.github.io/College-attainDI/)

4. Software training:

DYPCOE has state of art technology Infrastructure that is established in various department as Centers of Excellence (CoE) to train the advanced learners and interested students on various technological skills for their professional development.

Example-

- Advanced learners and students with interest, are given additional training for application design and development of software in the Center of Excellence established in the Department of Civil Engineering. Students are trained using the software issued to us by Bentley systems.
- Advanced Learners and students with an interest in cyber security has completed certification on " Penetration testing in web applications" under the Centre of Excellence in Information Security that is established in Department in Information Technology and supported by Hackers Era.

Flowchart showing Process of identifying Advanced learners & slow learners is attached in Link for Additonal Information.

5. Employability and Skill Development Training: To enhance preparation of students for placements in various IT companies as well as Core companies, Institute arranges training programs for 3rd year students in aptitude, group discussion and Personal Interview. The content of the training program is mentioned below. These training help students to enhance their confidence and overall personality for placements.

Students completes 80 hours Aptitude & Life Skills Company-Specific Training Program with pre training brush-up and post training evaluations.

Aptitude

Life Skills

Company Specific

Quantitative ability

Group discussions

Sample patterns

Logical & Analytical ability

Personal interviews

Mock tests

Verbal ability

Resume building

Interview insights

Activities for Slow Learner Students:

The slow learner students in academic performance are given special attention by conducting remedial lectures for them. Students can resolve their difficulties and doubts related to the subject during these remedial lectures. Further, teacher guardians & advanced learners provide them additional counseling and guidance for their problems.

File Description	Documents
Link for additional Information	https://drive.google.com/drive/folders/15CLUFiew_TiI7A0HKTJpdGjcFohNjxc_?usp=sharing
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
3709	208

File Description	Documents
Any additional information	[View File](#)

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Student's centric methods such as experiential learning, participative learning and problem solving methodologies are very well adopted by all the departments under various programmes. Various activities performed under these are as follows:

Participative learning:

- Flipped class room: group of students are given topics for study and later explaining / presenting to other class
- Quiz: quizzes based on content of syllabus
- Crossword puzzles: pedagogical activity for understanding theory in different learning method
- Center of Excellence: participation of students for various skill development courses
- B & R automation

Experiential learning

- Virtual lab: Students are provided additional facility of virtual Lab in the institute to perform practical assignments using Virtual platform received from IIT Bombay.
- Projects: students have undertaken projects involving experimentation in respective field of engineering
- B & R automation
- Internships: working on sites / industries during third year has given students technical experience

Problem solving methodologies

- Consultancy: students are involved in the consultancy work for industries and preparing reports
- Live projects: Projects addressing live problems from industries are performed at BE level and students provide solutions to these problems.

- **B & R Automation**

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	**Nil**

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

COVID pandemic has given an excellent opportunity to the teachers to enhance teaching learning methodology through ICT based tools. Some of them are listed as follows:

- **You tube channels**
- **Websites**
- **Collpoll notes**
- **MS Team platform**

File Description	Documents
Upload any additional information	[View File](#)
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://dypcoeakurdi.collpoll.com/

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

208

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	[View File](#)
Circulars pertaining to assigning mentors to mentees	[View File](#)
mentor/mentee ratio	[View File](#)

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

208

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

30

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

9

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode.

Write description within 200 words.

Continuous Internal Evaluation (CIE) is conducted commonly for all the departments in the form of unit tests, progressive assessment for practical assignments and term work.

Practicals / lab work are conducted as per the curriculum defined by Savitribai Phule Pune University (SPPU). Course Outcomes (COs) for theory lectures and Learning outcomes (LOs) for each practical assignments are planned before start of academic session. These COs and LOs are ensured at the time of conducting practicals.

Institute has adopted the ERP system-Collpoll which also included module for internal assessment through unit tests and Insem examinations. These exams are conducted through MCQs based on the guidelines given by SPPU and the marks obtained by the students are submitted to University. Hence, utmost care is taken to conduct the examinations in secured way. Periodic Unit tests are conducted throughout the semester to prepare students for University semester examinations.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

As per the point discussed in 2.5.1, the Institute has developed an excellent mechanism to deal with the grievances from students related to internal examinations.

- The process of internal evaluation is explained to all the students at the time of regular practical conduction.
- All the internal marks given for the practical assignments are communicated to all the students immediately after completion of the assignment / practical / lab by the concerned teachers.
- If students have any query related to examination, they discuss and resolve with the respective Subject teachers or department Exam Coordinator. College Examiner Officer guides the students in case for any further problems.
- Final marks for term work are also displayed through Collpoll and students issues are immediately resolved before entering the marks to SPPU portal.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	**Nil**

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

For the effective implementation of teaching – learning process, all the course outcomes are defined by Savitribai Phule Pune University. These are disseminated on SPPU portal www.unipune.ac.in and also on the institute website www.dypcoeakurdi.ac.in. Subject Teacher discusses, these COs, PSOs and POs with the students before commencement of the Syllabus content during the Lecture. All POs, PSOs and COs are published on website for individual programmes. At the end of every semester, attainment of COs and POs are calculated for all the courses by the Subject Teachers.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	**Nil**
Upload COs for all courses (exemplars from Glossary)	[View File](#)

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

- **Blooms taxonomy analysis of PO Statement is made for setting students target level.**
- **CO statements are then revised at required Blooms Taxonomy.**
- **CO (Knowledge) - PO (Application of Knowledge) is framed as Question/Activity for dissemination in students. With the help of DI, it is ensured that, application of knowledge, CO-PO is disseminated in students.**
- **Based on this observations and action plan are made for further improvement**
- **For example, if treatment plant is in curriculum, application of it is taken as PO**
  - **Treatment plants knowledge PO1**
  - **Treatment plants problem analysis PO2**
  - **Treatment plants design development PO4**

- Treatment plants modernization PO5
- Treatment plants safety PO6
- Treatment plants warranty sustainability PO7
- Treatment plants IS Standard PO8
- Treatment plants maintenance work PO9
- Treatment plants performance report annual or monthly PO10
- Treatment plants cost PO11
- Future improvement in treatment plant PO12

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

1050

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

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

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

2903000

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

3

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.aicte-india.org/content/inviting-proposals-under-modrob-scheme-institutions-approved-aicte-rural-areas

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

45

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

96

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

24

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

D.Y. Patil college of Engineering realize that the purpose of education is not just preparing the students to earn a livelihood but more so to make them good citizens and above all, good human

beings.

Institute always try to inculcate the value of caring and sharing through education.

For this our Institute carryout various extension activities like,

1. Ganesh Festival Nirmalya disposal Abhiyan
2. Eco friendly Ganesh Utsav
3. Vruksharopan Abhyan
4. Fort Cleaning and Tree plantation at Tikona, wherein institute try to maintain environmental balance and cleanliness.
5. Towards our social responsibility, Institute also carry out Leprosy center visit & Donation activity. where campus team organized visit to Bhandarwala Leprosy Hospital on occasion of 85th Birthday of Honorable Padamashree Dr. D Y Patil and distributed Covid-19 Precautionary materials such as Mask, Sanitizer, Sanitizer bottles and Hand pump for disinfection.
6. To help Underprivileged students, Institute faculties From Information Technology Department carried out Computer infrastructure awareness session in Z P Prathamik Shala, Kunwada.
7. To create awareness about E waste, E waste collection Drive was organized by Electronics and Telecommunication Department.
8. On the occasion of National Safety Day, Mechanical Engineering Department has organized" Awareness session regarding safety measures with Quiz, slogans and many more events.
9. On the occasion of national Yoga Day" Yoga event" is organized in college to create awareness about health & Yoga.

These extension programs help students to make themselves aware about the various issues related with the society and community. Awareness is created about various societal problems and finding solution for them. This process builds comprehensive development of student like, improvement in leadership qualities, increase patriotism and nationalism, understand the importance of cooperation and teamwork etc. Also, these programs are based upon the basic human values to help community which is also the strength of our Institute.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

18

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	View File

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

19

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

894

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

254

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

58

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The Institute encompasses a well maintained lush green campus spread over 31580 Sq meters of land ensuring adequate availability and optimal utilization of physical infrastructure for teaching learning activities.

Classrooms: The Institute having adequate number of well-furnished, well ventilated, spacious classrooms equipped with LCD projectors for conducting classroom activities. The college is having ICT Classrooms where the provision of Wi-Fi connectivity and internet access is available.

Seminar Hall: The Institute has two seminar halls. These are the venue for various events organized at Institute/State/National/International events hosted by the Institute.

Laboratories: All the laboratories are well equipped with state of the art equipment and facilities. All the laboratories are established as per AICTE and SPPU norms. These labs are utilized for conducting laboratory sessions as per the requirements of the curriculum. Laboratories are also utilized for project based learning, project design and related hands on trainings as a part of contents beyond the syllabus.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://drive.google.com/drive/folders/1OQwFWRc1pnLI1KUkA8ndKSGeLA1ThPXy?usp=sharing

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The Institute has a well maintained campus spread in a serene green land. The organization encourages students to participate in various sports and cultural activities. The Institute has a spacious and well equipped sports facility, where students can play indoor games like table tennis, chess, carom etc.

Qualified Physical Director is appointed to take care of day to day sports activities of the institution. Various teams are formed to

take part in the intercollegiate, University and at state level competitions. Institute also encourages students to participate in the few international competitions. Students also regularly participate in outdoor games like volleyball, cricket, kabaddi etc.

Cultural Activities: The Institute inspires students to take part in various cultural events. Institute supports to organize Technical fests, Annual Sports, Annual Day, Farewell functions, etc. to showcase their talents. Students participate in the intercollegiate competitions like dance, skit, mimicry, etc., The Institute level cultural committee is appointed to cater the requirements of these activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

44

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

44

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

50250936

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Koha is an Open-Source Integrated Library System (ILS). Koha is web-based multilingual Integrated Library System to cater to the automation needs of medium to large libraries around the world. It is implemented by the Librarian in the central Library of D.Y.Patil College of Engineering in 2015. The version of Koha ILMS is 3.20.

Name of the ILMS software

Nature of automation (fully or partially)

Version

Year of automation

KOHA LMS

Fully automated

3.20.02.000

2015

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	**Nil**

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

1237169

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

160

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

IT facilities have been updated on regular basis. The Necessary IT Infrastructure is upgraded and purchased as per the requirements. Computer labs are well-equipped with adequate computers supported by leased lines for internet connectivity. It is also equipped with necessary licensed system software and application software. The entire campus is connected with dedicated LAN Infrastructure. Computer labs are well connected to the internet which helps students and faculty to carry out their academic and other work. Lab assistants are available to support students and faculty for Lab maintenance and Technical Support.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Number of Computers

964

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution	A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

17054449

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Laboratory Maintenance:

The respective lab In charges and Lab assistants of all the laboratories performs regular checking of all the equipments for their proper functioning on the regular basis. The testing report is prepared in case of any maintenance required for the equipment. Experts will verify and confirm the test report. The appropriate vendor is identified and the maintenance of lab is ensured.

Maintenance of Library Facilities:

The books and journals are properly maintained. Book binding is carried out on regular basis for damaged books to avoid further damage. Stock verification is done as a part of regular monitoring and control. Pest control is done on regular basis for maintaining books protection from termites. Library Committee is formed to ensure following process.

- **Procurement of new books & renew of journals and recommendation for additional books**
- **Updating and maintaining of all library records**
- **Addressing issues and grievances of users**
- **Update and upgrade the library contents, periodically as per updates in curriculum**

Computers: The Institute has an adequate number of computers with internet connections and utility software's. Computer systems, UPS, Servers are maintained by outsourced technicians, Lab Assistants and Lab-In Charges.IT infrastructure is maintained by the concerned departments, Institute System in charge.

Classrooms, Conference Hall: Classrooms and Seminar hall are provided with enough seating capacity and LCD projectors. Cleanliness of class rooms and Seminar hall is maintained on daily basis. Working condition of audio system, LCD projectors etc. are ensured.

Laboratory: Laboratories are regularly maintained by the Laboratory Technical Staff. Records of equipment's are maintained in Dead-stock Register (DSR) as per the process. Equipment's are maintained properly, calibrated and serviced periodically. Major breakdown maintenance if required, is carried out by external agencies.

Maintenance of other support systems:

Housekeeping staff exists for regular cleanliness of corridors, washrooms, classrooms, laboratories and premises is done by external agencies. Sanitization of washrooms is done on regular basis. Green campus is maintained by the gardeners of external agencies. Solar Panels and power backup facilities like Generators are maintained by Internal Electrical maintenance department. Clean and hygienic drinking water is available in the Institute. Water coolers are maintained and cleaned on regular basis. Overhead water tanks and water coolers are cleaned periodically. Quality of drinking water is checked by measuring pH and Hardness. Sports facilities are maintained by the sports committee.

The below mentioned points are inspected before start of every semester.

1. Classroom facilities such as lights and fans, LCD projector and sound system, availability of internet connections are inspected before start of every semester.

2. Working condition of computers, devices, and equipment's is ensured.

3. Working condition of machines in the workshop is ensured.

4. Stock checking activity is done prior to start of new semester.

5. House-keeping committee of the Institute inspects the facilities like toilets, classrooms, corridors.

6. Food committee supervises the cleanliness and hygiene in the canteen and monitors the food quality.

7. Library committee collects specific needs of the students and staff.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	**Nil**

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

2493

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

5

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above

File Description	Documents
Link to institutional website	https://www.dypcoeakurdi.ac.in/events
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

677

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

677

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student	A. All of the above

grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

752

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	**No File Uploaded**

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

17

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

15

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

14

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at univer sity/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

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. FARENHEIT is a grand cultural event of the college conducted by the students in which various targets such as Acting, Singing, and Dancing etc. are performed. In IQAC, Two identified Students represents and participate in the overall development of the Institute. Over all, Identified Department students represent and participate 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- Curricular and Extra Curricular activities. Students from various departments are the members of Innovation Cell, Entrepreneurship Development Cell and Competitive Exam Cell. Few identified Students are actively involved in various statutory committees of the institute such as Grievances Redressal Cell, Anti Ragging committee etcUnder 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. FARENHEIT is a grand cultural event of the college conducted by the students in which various targets such as Acting, Singing, and Dancing etc. are performed. In IQAC, Two identified Students represents and participate in the overall development of the Institute. Over all, Identified Department students represent and participate 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- Curricular and Extra Curricular activities. Students from various departments are the members of Innovation Cell, Entrepreneurship Development Cell and Competitive Exam Cell. Few identified Students are actively involved in various statutory committees of the institute such as Grievances Redressal Cell, Anti Ragging committee etc

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution

participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

8

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

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 the 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. Institute is proud of all the Alumni working in various reputed organizations across the globe.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	**E. <1Lakhs**

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision

Empowerment through Knowledge

Mission

To educate the students to transform them as professionally competent and quality conscious engineers by providing a conducive environment for teaching, learning and overall personality development, culminating the Institute into an International seat of excellence.

The governance of the Institution is driven by the Governing body of the Institution as well as major committees namely College Development Committee and IQAC.

Principal as head of the Institution with the team of Heads of the departments, Dean Academics and College Exam officer(CEO) look after the routine Academic activities of the Institution. The Principal and Registrar look after the overall administrative activities of the Institution.

The Principal and heads of the department and the registrar office are responsible for providing facilities for teaching learning activities of the Institution. IQAC is particularly monitoring the academics and emphasizes upon improving the quality of teaching learning activities. Several co-curricular and extracurricular activities are conducted for the overall development of the students. The Institution provides ample opportunities to the students for their overall personality development and placement. The alumni of the Institute have reached influential positions in renowned Industries Nationally and Internationally.

File Description	Documents
Paste link for additional information	https://www.dypcoeakurdi.ac.in/governance/governing-body
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Dean positions are created such as Dean-Academics and Dean-Research & Development, Dean-Students Affairs for effective implementation and monitoring of Academic activities, Research & Development activities and Students activities respectively.

As per the requirements of the Savitribai Phule Pune 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 SPPU, Pune. Student Welfare Officer is responsible for students' affairs and related activities and liaising with the Director Board of Student Development in Savitribai Phule Pune University.

The Director of Physical Education position is responsible for all sports and physical activities of students.

Institute has also established IIT Bombay Remote Centre and responsibility has been assigned to Remote Centre coordinator for ensuring participation of students and faculty for upgradation of their skills through various programmes conducted by IIT Bombay using this facility.

In addition to these positions, Heads of the Department are responsible for smooth conduction of academics, curricular, co-curricular and extra-curricular activities of the department.

The 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. In addition Library In charge, Training Placement Officer, Hostel Rector are responsible for their respective portfolio.

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

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	[View File](#)

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

To increase academic performance of the students, effective implementation of Outcome Based Education (OBE) is implemented and hence Department of Civil Engineering conducted a refresher program on OBE in December 2021 sponsored by AICTE-ISTE

Report on OBE refresher program conducted during 13-18 December 2021.

Objectives:

- To Introduce Institutes and Universities about the importance of Outcome based Education.

- Address NBA criteria related to Outcome based Education.

- Analyse the assessment and attainment of various outcomes in the academic institutes and Universities.

This program was sponsored by AICTE-ISTE. Resource persons across the nation delivered their experience and knowledge about OBE in the 6 days program. Everyday quizzes were conducted and on the last day the final test was conducted. Feedback of resource persons were

`collected from participants and overall it is observed satisfactory.`
`The entire program was conducted successfully in online mode.`

`Outcomes: Participants were able to frame Course Outcomes, Program`
`Educational Objectives, Program Specific Outcomes and were able to`
`assess and attain the same.`

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

`Policies:https://www.dypcoeakurdi.ac.in/images/Downloads/Generalpoli`
`cy.pdf`

`Administrative`
`Setup:https://www.dypcoeakurdi.ac.in/images/DYPCOE_organogram.pdf`

`Appointment and Service Rules:https://www.dypcoeakurdi.ac.in/images/`
`Downloads/CodeofConduct_forFacultyand_Staff.pdf`

`Procedures: 1.https://www.dypcoeakurdi.ac.in/images/Downloads/Codeof`
`Conduct_forFacultyand_Staff.pdf`

`2.https://www.dypcoeakurdi.ac.in/images/Downloads/Code_of_Conduct_fo`
`r_students.pdf`

File Description	Documents
Paste link for additional information	https://www.dypcoeakurdi.ac.in/governance/institute-policies-procedures-and-code-of-conduct
Link to Organogram of the Institution webpage	https://www.dypcoeakurdi.ac.in/images/DYPCOE_organogram.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Teaching

1. Management supports the education of regular teaching faculties ward by providing 50% concession in tuition fees if they are studying in any Institute of Dr. D Y Patil Educational Complex at Akurdi, Pune.
2. Group mediclaim and accidental policy for teaching faculties.
3. Special leave to employees on their birthdays (for unmarried) and marriage anniversaries for married employees
4. On duty leaves to the faculty members for attending as well participating in conferences and seminars and Qualification Improvement
5. Maternity Leave for Eligible women employees.
6. Gratuity scheme for eligible employees.

Non Teaching

1. Management supports the education of regular Non-teaching staff's ward by providing 50% concession in tuition fees if they are studying in any Institute of Dr. D. Y. Patil Educational Complex at Akurdi, Pune.
2. Group mediclaim and accidental policy for Non-teaching Staff..
3. Non-teaching staff members are benefited by the Employee Provident Fund scheme as per applicable to them.
4. Management is financially supporting girl child marriage of

    all nonteaching staff by providing amount Rs.11000/-.
5. For the non-teaching staff who passed away in Pandemic due to Covid-19 welfare fund of 2 lakh was given to his family and job is given to their family member in the Institute.
6. Special leave to Non-teaching staff on their birthdays (for unmarried) and marriage anniversaries.
7. Maternity Leave for Eligible women Non-teaching staff.
8. Gratuity scheme for eligible employees.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

16

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

7

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

108

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The Institute has performance appraisal system for the assessment of teaching staff. The appraisal form is based on the annual performance of the faculty members on the basis of three vertices like Teaching Learning performance, Institute/ Departmental contribution and research and development activities.

Performance appraisal system for teaching staff is on the basis of role as a teacher. In this category, the performance is appraised through his/her effective teaching methodologies in teaching, course delivery, use of ICT methodologies, etc. Besides, student feedback and pass percentage of the course are also considered.

The institute undertakes a wide range of activities besides academics, for which faculty members are assigned additional duties and responsibilities. The performance of the faculty is also evaluated based on contribution in various responsibilities like role as Teacher Guardian, Contribution to Department, Institute and Campus level activities. The planning and execution of short term, semester and academic activities are involved in this section. With the motive to enhance and upgrade their knowledge through their participation in conferences, workshops, publications in Scopus indexed journals, book publication, sponsored projects consultancy, research supervision, awards, honors, fellowships etc.

The assessment of Appraisals is done by the concerned Head of Departments and then the Campus Appraisal Committee finally evaluates the performance of the faculty members.

Performance appraisal system for non- teaching staff:

Performance appraisal system for non- teaching staff : Performance Appraisal System for non-teaching staff is reviewed based on performancelike Punctuality, Job Knowledge and Skills, Sincerity, their Behavior and Self Motivation for the service under authority. The system is transparent and the appraisal with comments of the Head of the Department is then analyzed by the Principal.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	[View File](#)

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

On the financial budget and actual financial figures quarterly basis we are conducting an internal financial review/audit every year. A financial audit by the external auditors is conducted regularly on

half yearly basis every year. The audited financial reports are submitted to the appropriate authority. The final audit is conducted based on financial statements as on 31st March every year and submitted to the regulatory authority as a regular process.In case of any audit queries raised in audit by the auditor it is resolved by Account officer immediately.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

2115000

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

D.Y. Patil College Of Engineering, Akurdi is operating under the charitable trust Dr. D. Y. Patil Pratishtan. It has a strong track record of 37 years in the educational sector. The trust has a comfortable capital structure and it is supported by a healthy networth. The mobilization of funds mainly comes through the fees received from our students. In respect of eligible students under the scholarship category, scholarship fees amount we receive from the Social Welfare Department of the State Government through a direct benefit transfer system.

Every year we prepare a financial budget in advance in the month of January for the next financial year. With the help of a financial budget we ensure the review and control of revenue expenditure viz-a-

viz capital expenditure to be incurred throughout the particular year.

The Institute always maintains adequate liquidity and manages educational expenses in broad classification such as salary and non-salary expenses. Our institute ensures a significant increase in revenue and operating profitability for every year. So that the development of the college leads towards the benefit of students and staff.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Internal Quality Assurance Cell (IQAC) is committed for making students employable, skilful and competent though Outcome Based Education. IQAC appraises that NAAC is not just for accreditation but also its roadmap for excellence. Effective implementation of NAAC strategies is beneficial for institutes and its stakeholders.

Following are the significant measures IQAC promoted in 2021.

1] Effectiveness of Online Teaching-Learning and Evaluation Process - In advent of newer technologies, ICT enabled systems in Industry 4.0 practices faculty members are trained and made competent for usage of MS Teams, Collpoll and its usage to record lectures/practical's, noting learning outcomes at the end of lectures/practical's, preparations of videos aligned with learning centric MOOCs (Initiative by Swayam), additions of reflection spots, delivery of lectures in 9-10 minutes segments with inclusion of reflection spots, utilization of MS Forms effectively through Jobs in POs approach. Rubrics based evaluations in collpoll, industry-based teaching learning process and certifications, innovative teaching learning practices like game pedagogies, technical puzzles such as crosswords, quizzes in higher order thinking skills as per AICTE examination reforms guidelines, helped students to learn any time any where making learning more interesting. Problem based learning, projects and internships-based evaluations for experiential learning with augmented reality and hackathon-oriented

scenario-based learning created productive interests in students

2] Stakeholder's participations - Why I am teaching this subject - Students taken admission to professional course to accomplish their dreams. Usefulness of the subject taught, in industry, government jobs, entrepreneurial opportunities were studied by teachers and delivered to students for creating interest in learning. For example, If a teacher is teaching PDA (Push Down Automata) to students, before class, PDA related opportunities (Alexa Echo Dot) in placement, higher education and entrepreneurship is studied though naukri.com and its Blooms Taxonomy related requirements are analyzed. This is further useful to frame CO, CO-PO and CO-PSO mapping and attainment. This helped students to practice active engagement in learning and active learning of students

3] Practicing Innovative Pedagogies - Teachers are promoted to create effective innovative pedagogies to cater the needs of net generation students. These pedagogies are then practiced, evaluated, improvised and promoted to publish in education technology conferences, journal papers and also copyrights.

4] Faculty Competence - Significant changes were made in faculty appraisal, making it more aligned with Accreditation and Ranking requirements. More focus and orientation is towards fetching sponsored research grants, consultancy from industry, publications in UGC care listed journals, development of e-content, faculty efforts in fetching awards from various regulatory and statutory bodies were promoted. Framing Program Specific Outcomes (PSOs) aligned with alumni profiles made improvised contributions of alumni in developing employability of present students though T-shape professionals.

These measures not only helped in increase placements of students but also it improved the median salary fetched by them.

File Description	Documents
Paste link for additional information	https://www.dypcoeakurdi.ac.in/naac
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Dean Academics has system where in he has Academic coordinators for every department who will take care of Academic planning like load distribution and execution till the end of every semester along with Heads of the Departments. First academic calendar is prepared and according to that time table will be prepared and time to time assessment is done through unit tests. Feedback for every subject is taken for improvement and at the end of semester Academic Audit will be conducted by department academic coordinator. In this whole process the execution of academics is monitored and learning outcome are found in the form of Academic results and placement statistics.

- Academic Calendar
- Timetable
- Academic Monitoring
- Unit Test
- Feedback system
- Academic Audit

Institution faculty are updating their learning outcomes in form of research and development activities (pedagogical and domain specific) in vidwan profiles and make it visible to stakeholders for fruitful

File Description	Documents
Paste link for additional information	https://dypcoeakurdi.irins.org/
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.dypcoeakurdi.ac.in/naac
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Institute strongly believes in holistic development of the students along with inculcating the values in them which will help them to be a good individual. In the view of the same , to make students aware of gender equity and to promote the same amongst the students as well as employees of the Institute a gender equity program was organized on 28th Oct 2021 in online mode. Dr. Sanjeev Kumar Patil, Doctor, Actor, Director and writer was the resource person for the program. The speaker addressed the various tips on health awareness, promoting equal participation of men and women in making decisions, traumatic experiences to personal issues and enlightened on the protection of individual from sexual offences at workplace. Through this session, the students were able to develop problem solving skills which to an extent will help them to deal with particular issues in real life.

The Institute has an Internal Complaint committee (ICC) formed as per regulating authority to ensure diverse complaints experienced by stakeholders and are resolved in a fair, impartial, and consistent procedure. This ICC organized various programs for women on health and safety management, also addressed cyber security, social crimes and laws to protect women. The Institute has various technical and cultural clubs like Vihang art circle, BAJA SUPRA, Go-Kart, National Students Service Scheme, Students Council wherein both men and women are equally selected without any differentiation to their gender as a member of each club. These clubs have participated and organized various events like Stress Management, International Yoga day, Virtual sports, International Women's Day celebration and Marathi Bhasha din etc for the safe, secure and healthy atmosphere in the

campus.

The Institute has a proportionate ratio of women and men employees. Also the college has an open and transparent system of faculty recruitment and promotion purely on the basis of merits. Some of the female faculty members hold the higher administrative and academic positions in the Institute.

File Description	Documents
Annual gender sensitization action plan	https://drive.google.com/drive/folders/1C8v-056H9uLYTqBh_k1RuBNQ7hhgAfMR?usp=sharing
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://drive.google.com/drive/folders/1C8v-056H9uLYTqBh_k1RuBNQ7hhgAfMR?usp=sharing

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/power efficient equipment	B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Waste generated in the form of solid is collected at different places using special labeled containers in dry and wet form in the institute. Some form solid waste is converted to manure by composting procedure in the college and remaining is handover to local authority.

Liquid waste generated in college is collected with sewerage system and treated in sewage treatment plant of capacity 2,00,000 lit/ Day with modern technique MBBR.

Biomedical waste generated in college and girl's hostel is disposed in incinerator.

E waste which generated in college is collected and handover to the authorized agencies for disposal.

The fertilizer (Manure) developed in the college is used for gardening purpose while treated waste water is used in garden only.

Following activities carried out during the year 2021 for the management of non-degradable waste.

Title of the programme

Period (from)

(DD-MM-YYYY)

Period (to)

(DD-MM-YYYY)

Participants

E-waste collection Drive organized in association with IETE students Forum of E&TC department and CESA of civil Engineering dept. and Kuldeep e-waste Disposal

27/09/21

02/10/2021

80

Webinar on "Green Logistics Awareness" by Mr. Thomas Rais, Czech Republic, Vice president, Logistics Region, and Mr. Devendra Maral, Head of preseries logistics, Skoda AUTO Volkswagen India as IEEE day celebration

07/10/21

07/10/21

223

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	[View File](#)
Geo tagged photographs of the facilities	https://drive.google.com/drive/folders/197DS PR91dH12-aWS_9nEm7BsSxrYoqAh?usp=sharing
Any other relevant information	[View File](#)

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Any other relevant information	[View File](#)

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. **Restricted entry of automobiles** 2. **Use of Bicycles/ Battery powered vehicles** 3. **Pedestrian Friendly pathways** 4. **Ban on use of Plastic** 5. **landscaping with trees and plants**	A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	[View File](#)
Any other relevant documents	[View File](#)

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the	A. Any 4 or all of the above

following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	[View File](#)
Certification by the auditing agency	[View File](#)
Certificates of the awards received	**No File Uploaded**
Any other relevant information	[View File](#)

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment   5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen   reading

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Policy documents and information brochures on the support to be provided	[View File](#)
Details of the Software procured for providing the assistance	**No File Uploaded**
Any other relevant information	[View File](#)

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

To share the importance and benefits of Yoga for daily life and in

order to keep ourselves healthy and fit, a one-day activity was conducted on International Yoga Day. The other important days such as Republic Day and Independence Day are celebrated every year in the campus. Various Online expert lectures pertaining to topics like "Aquatic Ecosystem", "Healthy Life" was conducted along with a National level quiz competition on the occasion of Gandhi Jayanti.

18 students projects were identified related to farming, sanitation, air and sound pollution, greenery and cleanliness and were submitted under the Social Entrepreneurship, Swaachata, and Rural Engagement Cell's National Level Project Competition, initiative by the Ministry of Education.

International World Environment Day was celebrated to raise awareness on the problems faced in the environment such as air pollution, plastic pollution, illegal wildlife trade, sustainable consumption sea-level increase. Various aspects of pollution, its causes, and solutions were also discussed.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

- On the occasion of Republic Day and Independence Day that is celebrated in the campus. The Dignitaries addresses values, rights, duties and responsibilities of the citizens during such occasions.
- A Yoga Session by Ms. Sheetal Pugaliya was organized on 30th Jan 2021 for students and faculty members at DYPCOE, Akurdi..
- A National Level Quiz Competition on the occasion of Gandhi Jayanti through IETE Students Forum was organized on 2nd Oct 2021. 218 students from various colleges participated. Certificates were issued to the student participants.
- A webinar on Stress Management through Yoga and Pranayama was organized on the 13th October 2021. Dr. Neelangi Sardeshpande, Health researcher was the speaker for the occasion. She addressed the participants to enjoy the liberty to pursue their own preferences. Total 100 participants attended the program.

- **On 5th June 2021, The World Environment Day was celebrated at DYPCOE by creating awareness about the problems such as plastic pollution, air pollution, illegal wildlife trading and food Protection. More than 100 students actively participated in the session.**
- **Such programs addresses to create constitutional awareness in students and faculty members**

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	View File

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff   4. Annual awareness programmes on Code of Conduct are organized

B. Any 3 of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

- **DYPCOE practices in celebrating all commemorative days and festivals of Nation. As it was Pandemic period in the year 2021, few commemorative days were celebrated using online platforms.**

- We celebrated "Marathi Bhasha Samvardhan Pandharwada '' through an online event named "Marathi Pustak Samiksha" from 14/1/2021 to 28/1/2021.
- We celebrated "International Yoga Day 2021" on 22 June 2021, using virtual media. It was a 3 day event for students and faculty members.
- On the occasion of Guru Purnima a fun segment program was conducted by MESA (Mechanical Engineering Student Association) for all faculty members on 23th July 2021. It included various fun games for faculty members like Geo guesser, Rapid-fire, Dialogue Guessing, Scribble, Mimicry etc.
- On the occasion of International Youth Day on 12th August 2021 a small energetic yoga event was conducted for all the students and faculty members of the Mechanical Engineering Department.
- A magnificent Virtual Sport's Event was organized on 29th of August, 2021 on the occasion of National Sports Day, by MESA where from SE; TE & BE participated with great fervor and manifested their athletic and analytical skills with an unimpeachable finesse.
- An event named as Salam-ae-Gandhi was organized on the occasion of Gandhi Jayanti by IETE Students Forum on 2nd October 2021. The Objective of this program was to inculcate the principles of truth, wisdom, love for the country and selflessness amongst the students.
- Central Library has celebrated "Reading Inspiration Day" on 15 Oct. 2021, as a tribute to Bharat Ratna Dr APJ Abdul Kalam, on his birth anniversary. Library had also organized "Samvidhan Divas" on the occasion of "Indian Constitution Day".

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

1. Holistic Development of Students for Higher Package Jobs

Institute provides 100% placement assistance to all the students. Several practices in the Institute by the faculty members have resulted in good placements with higher package. This practices include:

- Outcome Based Education for Teaching Learning process
- Students and faculty members have completed certifications and value added programs for gap fulfilment with respect to Industry requirements
- Faculty has been playing a vital role in guiding and mentoring students to select the right choice of courses (Value added and Certification courses) and further council them to prepare for placement and higher education selection process
- Institute offers soft skill training programs using language lab software support
- Institute offers employability skills development training programs from high repute third party vendors during their third year
- Alumni are strong assets of the Institute. Departments and Training & Placement cell have arranged consistently various activities for the students to cater upcoming need of the Industry in advanced technologies.
- Technical activities are organized for the students under various Professional Bodies and Students Association to groom the students and make them technically competent.
- Institute has offered honour courses to the students of third year for domain specific specialization for their under graduate programs.
- Google Developer Student Club is established in the Institute since 2020 to train and learn technologies of Google platforms to the students of all departments.

2. Formulation of PSO mapping and attainment aligned with Alumni Profiles

Program Specific Outcomes (PSOs) are required to be formulated and then mapped, attained for dissemination of skills and competency in students. PSOs should not be derived from POs and should be beyond POs as per National Board of Accreditation norms. PSOs are formulated as per outcomes (placement/higher education/entrepreneurship) through course outcomes. CO-PSO model is attempted as CO (knowledge) – PSO (Application). Blooms Taxonomy Action verb are practiced as outcomes are paid for doing something and not just having capability. During this study it was observed that more than 95% of alumni are working in Higher Order Thinking Skills (HOTs) in Industry 4.0 era. PSOs are therefore required to be

framed essentially in HOTs. T-shape engineer is plotted to easily segregate core and broad statements to integrate core statements for formulation of program specific outcomes. Model integrated with T shape Engineer; Discrimination Index ensures that students have learned through questions as indicated in Direct Attainment. In this best practice, a model is presented for mapping and attainment by considering alumni profiles to align students learning outcomes with alumni relevant skills and competencies. Students' responses during indirect survey validates the interests created in students for learning through a presented model.

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Due to industry revolutions, faster technological developments in software and allied artificial intelligence integrations, pandemic like covid-19, placement scenarios and entrepreneurship/business opportunities are changing rapidly.To achieve this, we are making CO as a knowledge and CO-PO as application of knowledge. We examine whether CO-PO is possible through curriculum or curriculum gaps. Further, we are identifying outcome opportunities for each PO and specific to each program. To align alumni profiles through PSO, the strategy is implemented with the formation of a question bank to develop students for technical recruitment. By doing CO-PSO we are aligning students' profiles with alumni profiles. For attainment of CO-PO and CO-PSO, we are doing statistical analysis and calculating discrimination index.

The blooms taxonomy level for Program outcomes are identified from PO statements and mapped with technical questions in CO-PO. If the discrimination index is more than 40%, observations are made and further action plan is created else CO-PO mapping is revisited for modification. This will be implemented through an action plan for next year's CO-PO and CO-PSO questions.

As in all, micro level analysis is performed by each and every faculty for each and every student to prepare them technically for placement, higher education and to create students technical expertise as per alumni profiles.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1. Apply for NAAC cycle 2.

2. Apply for NIRF 2023.

3. Participation in AICTE Initiatives like Lilavati Awards, AQIS, SPICES etc.

4. Participation in SPPU Awards.

5. Research publications in SCOPUS index/ UGC Care list Journals.

6. Active MoU's with Industries and Research Organizations.

7. Organization of Co-Curricular and Extra-Curricular Activities for students.