Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**PADMASHREE DR. D Y PATIL INSTITUTE OF ENGINEERING, MANAGEMENT AND RESEARCH**
Name of the head of the Institution	**Anupama V Patil**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**020-27654470**
Mobile no.	**9730043149**
Registered Email	**principal@dypiemr.ac.in**
Alternate Email	**anupamav4@gmail.com**
Address	**D. Y. Patil Educational Complex, Pradhikaran, Akurdi, Sector 29, Nigdi, Pimpri-Chinchwad, Maharashtra 411044**
City/Town	**Pune**
State/UT	**Maharashtra**

Pincode	**411044**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed and grant-in-aid**
Name of the IQAC co-ordinator/Director	**Prof.K.M.Narkar**
Phone no/Alternate Phone no.	**02027656566**
Mobile no.	**9730043149**
Registered Email	**iqac@dypiemr.ac.in**
Alternate Email	**manisha.bhende@dypiemr.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.dypiemr.ac.in/naac-sar#

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.dypiemr.ac.in/student-support/academic-calendar

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B++**	**2.92**	**2019**	**01-Apr-2019**	**31-Mar-2024**

6. Date of Establishment of IQAC	**15-Mar-2017**

7. Internal Quality Assurance System

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

Four days workshop on Java Application Development in association with CSI	25-Jun-2018 3	131
Workshop on IOT Using Python	13-Jul-2018 4	94
Workshop conducted by Chemsys Process Engg Pvt Ltd	14-Jul-2018 1	112
Workshop on PCB Layout and Designing	23-Aug-2018 2	58
Workshop on MATLAB and Simulink for Analog Communication	11-Jan-2019 2	34
[View File]()		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File]()
10. Number of IQAC meetings held during the year :	**3**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File]()
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

• Institute applied for ISO Certification • Extensive use of ICT in the TeachingLearning Process • Innovation Incubation Cell has been strengthened • Through IIPC Cell Industry institute interaction has been increased. • Students and faculty are encouraged to enroll in NPTEL courses.

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

Plan of Action	Achivements/Outcomes
Extensive use of ICT in Teaching Learning Process	Effective implementation of Gnomio Moodle ICT tools such as Kahoot, Google Classroom etc.
To strengthen Innovation and incubation cell activities	Winners and runner ups in various competitions at national level such as Hackathon
To strengthen Industry institute interactions	Till date we have ninety plus collaboration with many industries and promoting them to internships, sponsored projects, visits etc.
To strengthen Club and Student Chapter activities such as Robotics, Go-kart, CSI, ISTE, IEEE, ICHE	Students and Faculties participated Various activities such as Go-kart competition (Vehicle Design and manufacturing) held at Bhopal and ISTE workshops.
To strengthen Social, Co-curricular and Extracurricular activities	Students participated in various events of social awareness such as students presented Pathnatya at Auto-cluster, Chichwad Pune
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	29-Mar-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	14-Feb-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	DYPIEMR is using Smartschoolmis ERP system for effectively managing

activities in college. Smart School is a collective and competent solution for information management in an educational organization. A versatile MIS (Management Information System), designed by putting together the best of cloud technologies, it provides efficiency and effectiveness in strategic decision making concerning any educational organization. Our MIS professionals help organizations to maximize the benefit from investments in personnel, equipment and educational processes. Being fully cloud based, it requires zero changes to your hardware configuration which is already deployed at the institute. Smart School MIS houses an adept report generation utility that lets you look at all your data from both large and fine combed perspectives, owing to the inbuilt generation of various reports, employees and students performance records. This plays a key role in not only identifying the strengths and weaknesses of the organization but also help to improve its academic work processes and operations. Thus, the MIS is capable of giving you an overall picture of the organization in lesser than 1015 clicks. Needless to say, it acts as a systematic planning and communication tool. Relevant and crisp MIS reports can aid in nickofthetime critical decision making and also helps to construct your action plans effortlessly, from the scratch. The availability of students and employees' data and their feedback can help the organization to align its academic work processes according to the needs. The effective management of students data can help the institute to perform effective decision making and promotional activities. MIS can certainly help an organization to gain a competitive advantage, which is an institutes ability to do something better, faster, cheaper, or uniquely when compared with rival institutes in the education system. Module: 1. Attendance Management System 2. Feedback Management System 3. Online Examination System 4. Syllabus Coverage System 5. Learning Material Distribution 6. Teacher Guardian System 7. Student Information System 8. Faculty Information System 9. Student

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

DYPIEMR is affiliated to Savitribai Phule Pune University (SPPU) and follows the syllabus prescribed by it. However, the Institute plays a role in the development of the curriculum by participating in the proposal drafting and finalizing of the curriculum. Institute has a structured strategy plan and meticulously follows this for the effective implementation of the curriculum: 1. Based on the inputs from IQAC/AMC (Academic Monitoring Committee), Institute and Department Academic Coordinators, HODs prepare the Academic Calendar for every semester in line with SPPU Calendar and is distributed to the time table coordinator of all departments. 2. Based on the expertise and choice of faculty members the subject load is distributed and the teaching plans and course files are prepared. 3. The Academic calendar is displayed on the notice board as well as on the Institute website. 4. Resource planning is done before the start of the semester and procurement of hardware, software and consumables is done accordingly. 5. Faculty members are encouraged to participate in Orientation Workshops, FDPs to enhance teaching, training and content development skills. 6. Course and Module coordinators plan and monitor the content delivery and course outcomes. They also identify the curriculum gaps and content beyond the syllabus and suggest measures to address them. 7. Reports of academic activities prepared by the faculty are audited by Departmental Academic Coordinators and Institute Academic coordinator. 8. Guest Lectures, Industrial visits, Workshops etc. are organized to bridge curriculum gaps and to cover content beyond the syllabus. Deployment action: 1. The faculty uses ERP to maintain records of attendance, lesson plans and to upload course material. 2. Institute conducts proficiency test for FE students to identify slow and advanced learners. An action plan is prepared to help the slow learners to address the course pre-requisites. 3. The effective implementation of the curriculum is ensured by supplementing classroom teaching with expert lectures, in house and industry supported projects to nurture innovativeness among students. 4. Assignments, tutorials, unit tests, online tests, mock orals and practicals are conducted to judge the understanding of the students. 5. Continuous assessment is carried out to assess the laboratory skills of the students and mid-term and end-term submission is done as a part of continuous evaluation. 6. Internal and external feedback of faculty is taken every semester to appreciate the efforts taken by the faculty, as well as to identify and suggest the areas of improvement. 7. Extra theory/practical classes are conducted for direct second year students. Remedial classes are conducted for slow learners. 8. Guest faculty/Industry experts/ Industrial visits are invited/ arranged to deliver the lectures, seminars and workshops for students to keep them updated about the industry trends and practical exposure. 9. In order to bridge the gap between student and teacher the Institute has adopted Teacher Guardian scheme. Regular meetings are conducted with students to counsel them about their academic performance and personal difficulties. These are communicated to parents by means of letters/ SMS/Phone calls. 10. Institute and Department Academic Coordinators regularly monitor the academics.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of	Duration	Focus on employ	Skill

	Introduction		ability/entrepreneurship	Development
Vehicle design of SUPRA/ BAJA	03/09/2018	25	Employability	Skill Development
ANSYS (APDL and Workbench)	09/07/2018	84	Employability	Skill Development
HyperMesh	23/02/2019	180	Employability	Skill Development
Python	28/01/2019	60	Employability	Skill Development
Industrial Automation	23/07/2018	8	Employability	Skill Development
Data Science using Python	03/01/2019	12	Employability	Skill Development
Python Programming	08/08/2018	15	Employability	Skill Development
Redhat System Administrator	11/09/2018	30	Employability	Skill Development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Civil , Mechanical, Chemical, Computer, Electronics and Telecommunication.	02/07/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil Engineering	02/07/2018
BE	Mechanical Engineering	02/07/2018
BE	Chemical Engineering	02/07/2018
BE	Computer Engineering	02/07/2018
BE	Electronics and Telecommunication Engineering	02/07/2018

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

	Certificate	Diploma Course
Number of Students	523	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
HyperMesh	23/02/2019	20
Python	28/01/2019	20
Industrial Automation	23/07/2018	10
Vehicle Design of SUPRA/BAJA	03/09/2018	20
ANSYS(APDL Workbench)	09/07/2018	43
AutoCAD	29/09/2018	45
ETAB	03/09/2018	49
ROBOTICS	13/07/2018	61
JLTP	02/01/2019	30
APART	04/01/2019	170
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Internships - Civil , Mechanical, Chemical, Computer, Electronics and Telecommunication	244
BE	Field Projects - Civil , Mechanical, Chemical, Computer, Electronics and Telecommunication.	181
[View File](#)		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
Alumni	Yes
Parents	Yes

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

Feedback Obtained

Feedback is an essential element of the learning process. So to monitor the teaching-learning process in the institute the questionnaire is designed to take feedback on the curriculum. The questionnaire consists of five major sections 1 Course content 2 Teaching-learning Process 3 Curriculum / Syllabus/ Evaluation Process 4 Libraries and Infrastructure The activity of Institution in the above four sections are being analyzed to create a quality profile for the institutional vision and goals. The feedback from stakeholders like students, alumina, parents, and teachers are taken every end of the semester. The Feedback forms are designed by authorities. All the feedbacks are taken online after the feedback is received from respective stakeholders. These are

analyzed by respective coordinators. The report including suggestions and improvements are prepared and discussed in departments, principal and IQAC meetings. According to suggestions from the stakeholders, the remedial plan has been prepared and actions are taken accordingly. The analysis of student feedback clearly depicts that they are well satisfied with the curriculum development and revision. Students highly appreciated the infrastructure facilities such as laboratories, libraries, and other facilities. Few of the expressed the need for more ICT facilities. Also, some of them asked to provide more industrial exposure, Internships guest lecture from industry personnel. According to the suggestions received from students, departments arranged industrial visits, expert lectures, and soft skill sessions. The feedback from teachers revealed the validity and adequacy of the syllabus and it is quite helpful in re-framing the course contents according to social needs. Various suggestions related to the modification of the curricular content are noted for further necessary actions. The modifications are conveyed to the Board of studies of Savitribai Phule Pune University through syllabus revision workshops from time to time. At the time of parent feedback analysis, it is observed that parents are fully satisfied by College infrastructure, Faculty and work environment. It is evident that the parents believe that their wards develop good soft skills and ethical values during their course of study. They have expressed towards the institution have been fulfilled especially from the employability point of view. From the received suggestions institute arranged some vocational and skill development training for the students. The alumina feedback report reveals that the majority of the alumina are happy and proud to be a part of this institution. The alumina appreciated the academic initiatives taken by the university to restructure and update the curriculum as per current needs. They suggested arranging more industrial, software training and adding on Courses for students to make them industry-ready. The suggestions have been discussed in the Department, IQAC meeting and the same conveyed to the Board of Studies at the time of Curriculum Revision Workshops. Employers feedback is in progress and suggestions will be forwarded to the concerned board of studies members for revision in syllabus in AY 2019-20.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Electronics and Telecommunication Engineering	63	85	65
BE	Chemical Engineering	63	72	62
BE	Civil Engineering	126	150	100
BE	Mechanical Engineering	186	210	161
BE	Computer Engineering	126	185	128
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2.2 – Catering to Student Diversity

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

Year	Number of	Number of	Number of	Number of	Number of

	students enrolled in the institution (UG)	students enrolled in the institution (PG)	fulltime teachers available in the institution teaching only UG courses	fulltime teachers available in the institution teaching only PG courses	teachers teaching both UG and PG courses
2018	2377	0	115	0	115

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
115	115	13	24	6	12
View File of ICT Tools and resources					
View File of E-resources and techniques used					

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

Students from diverse academic backgrounds and abilities are admitted every year. In order to enhance theoverall performance of all the students, it is first necessary to assess their learning levels and identify slowand advanced learners. Special efforts are made by the Institute to track the performance of the studentsthrough various ways and means to help the slow learners to improve and the advanced learners to excel. Learning levels of the students are assessed through the following means 1.Performance in qualifying and entrance examinations 2.Performance in the proficiency test on Physics, Chemistry, Mathematics, English and General Aptitude conducted after the admission in the first year. 3.Analysis of the internal tests conducted by the Institute, laboratory work, continuous internal evaluation, SPPU examinations in the previous year, etc. 4.Monitoring by Teacher-Guardian (TGs) To improve the performance of slow learners the following measures are adopted 1.Remedial/Extra lectures 2.Individual attention 3.Regular counseling and mentoring by TGs 4.Assignments to boost their confidence and enhance self-learning skills 5.Communication to parents about the performance of their wards 6.Additional help in solving assignments and previous University question papers The progress of advanced learners is monitored regularly and they are mentored to excel through the following means: 1. Regular counseling and additional guidance by the course faculty 2.Projects sponsored by Industry as well as internships in industry/research organizations 3.Platform to showcase their skills through the various activities in the Institute 4.Awards to toppers 5. Motivation to appear for competitive examinations like GATE, CAT, GRE, etc. 6.Encouragement/Guidance to publish research papers and to file patents 7.Guidance for higher studies and research 8. Add-on courses on latest technologies 9.Encouragement to register for NPTEL certification courses, project competitions like Avishkar, Hackathons, etc.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2377	100	1:23

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
102	115	0	19	19

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies

2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	680224510	II/2018-19	29/05/2019	24/07/2019
BE	680261210	II/2018-19	29/05/2019	24/07/2019
BE	680237210	II/2018-19	29/05/2019	24/07/2019
BE	680219110	I/2018-19	13/12/2018	24/02/2019
BE	680250710	I/2018-19	13/12/2018	24/02/2019
BE	680224510	I/2018-19	13/12/2018	24/02/2019
BE	680261210	I/2018-19	13/12/2018	24/02/2019
BE	680237210	I/2018-19	13/12/2018	24/02/2019
BE	680250710	II/2018-19	29/05/2019	24/07/2019
BE	680219110	II/2018-19	29/05/2019	24/07/2019

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

DYPIEMR is affiliated to the prestigious SPPU and hence we are very vigilant and proactive in adopting all the reforms of SPPU. For instance, SPPU appealed that the Institutions under its banner should do away with the traditional method of examination and assessment and instead come up with new and transparent evaluation system. Accordingly SPPU introduced one such transparent evaluation system, which caters to the contemporary needs of the society and matches the product outcomes to the global standards. In accordance to this, students' performance in various courses is monitored on a continuous basis through a robust and transparent continuous evaluation system. The students are informed about the assessing parameters and the entire evaluation process rights during the commencement of the session. Every attempt is made to align the assessment process with OBE by using direct and indirect assessment tools viz: • Attendance • Unit Test marks • Assignments • Performance in mock oral and practical examination • Prelim marks • Attentiveness in class • Timely submission • Interaction in class etc. • Online Practice Examination SPPU has introduced online examinations for the first year, second year and midterm examinations for third year and final year students as a part of the 2012 evaluation pattern. However, it did not include the feature of independent passing in it. The final evaluation for a course was based on total marks of online and end semester examinations without considering independent passing. Later on, in the SPPU 2014 revised evaluation scheme, independent passing was made mandatory for both the examinations and in the 2015 pattern, the credit-based evaluation was introduced. Institute has consistent practice to conduct unit tests, assignments, tutorials which are part of formative assessment. Term work marks are allotted by maintaining Continuous Assessment Sheet (CAS) by each faculty/teacher to evaluate the performance of students during practical sessions. Seminars, mini-projects, and final year projects play an important role in assessing the learning outcomes of the students. These projects are evaluated continuously through periodical reviews. After these reviews,

suggestions are given for further improvements. Students maintain "Project Diaries" with the record of their project progress. Mock practical examinations are conducted to give the preliminary experience of University practical examination to students. Remedial/ Makeup classes are introduced for students in view of improving performance at the same level as that of regular students.

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

Being affiliated to the parent University- SPPU, the Institute strictly abides by the academic calendar of SPPU. To add on to this, the Institute devises its own academic calendar prior to the commencement of each semester which is in tandem with the SPPU academic calendar. This calendar is shared with all the faculty members and students of this Institute before the commencement of academic session. Based on Institute's academic calendar, each department devises its academic calendar showcasing events planned by the individual department. A standard procedure is followed by all the departments to devise this calendar in order to maintain certain uniformity. The academic calendar includes co-curricular and extra-curricular activities viz: industrial visits, expert lectures, seminars/ workshops/ conferences, etc. Dates proposed by SPPU for the commencement and conclusion of the semester, in-semester, end-semester, and online examination are reflected in the institute's calendar and are strictly adhered to. Academic Monitoring Committee and the Departmental Academic Coordinators discuss and plan various academic, co-curricular, extra-curricular and social activities in accordance with the SPPU calendar, post which, these activities are included in the academic calendar of the Institute. Each faculty prepares his/ her Teaching plan in concurrence with the academic calendar of the Institute. The Institute and Departmental Academic Coordinators (DAC) ensure smooth conduction of lectures and practical sessions. Attendance of students is monitored and absenteeism of students is communicated to parents via SMS and phone call. Cumulative attendance and defaulter student lists are displayed every month as per the procedure. Internal examinations are conducted by all the departments on the dates planned in the academic calendar. Results of internal assessments are declared, displayed and communicated to students within the scheduled time frame. Meetings of the Principal and HODs are conducted to review the syllabus coverage and related academic activities. The HODs, in turn, organize departmental meetings and initiate the required steps for syllabus completion.

2.6 – Student Performance and Learning Outcomes

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

http://download.dypiemr.ac.in/NAAC_2018/AQAR_1/Criteria_2/2.6/2.6.1/2.6.1-Link-COs.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
680237210	BE	Electronic and Telecomunication	54	51	94.44
680261210	BE	Mechanical Engineering	204	186	91.17
680224510	BE	Computer	143	140	97.9

		Engineering			
680250710	BE	Chemical Engineering	66	62	93.93
680219110	BE	Civil Engineering	141	136	96.45
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2.7 – Student Satisfaction Survey

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

http://download.dypiemr.ac.in/NAAC_2018/AQAR_1/Criteria_2/2.7

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Projects sponsored by the University	180	Gokhale Institute of Politics Economics	1	1
Major Projects	730	ISRO-UoP Joint Research Program	10	8
		View File		

3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Project Management Tools	Civil Engineering	20/02/2019
3D Printing: Design Manufacturing	Mechanical Engineering	27/09/2018
Product Design and modeling	Mechanical Engineering	10/09/2018
Four days workshop on Android Application Development in association with ACM	Computer Engineering	27/08/2018
One day workshop on Red Hat Linux Programming in association with IRT Pvt.Ltd.	Computer Engineering	18/08/2018
Simulation and Control of Multi-domain Systems Using MATLAB and Simulink	E TC Engineering	14/08/2018
Innovation and IPR in academics	All Department	18/09/2018
Copyrights and Trademarks	All Department	12/12/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Tech Tornedo 2019 Technical Event	1.Nikhunj Saraf 2.Abhinav Jha 3.Anuj Iyer 4.Pranjali Taware 5.Rohan Atale 6.Rutuja Mehetre 7.Tejas Madavgane 8.Samrat Sahana Fatima	SNDT ACM CHAPTER	23/02/2019	Technical
Voice/Textual Bot Mobile App	1.Vaibhav Andhare 2. Rohan Atale 3.Anuj Iyer 4.Muzasarali Badger 5.Sneha Amin 6.Rutuja Deshpande	SIH – 19	02/03/2019	Software
Patient Profile Management System For Rural Areas	1.Nikhunj Saraf 2.Tejas Mandavgane 3.Aditya Porwal 4. Dinesh Mittal 5.Vaishnavi Patil 6.Shraddha Jadhav	SIH – 19	02/03/2019	Software
Eco-coatch -Designed a LHB Railway Coach on CATIA which solves the problem of plastic littering on the tracks as it has integrated setup of plastic shredding and storage.	Mr.AYUSH SATISH AGRAWAL	IEEE SS12 PROJECT COMPETITION AND MAKER FAIR 2018	08/09/2018	Research

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

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

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

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	10	0.53
International	Computer Engineering	10	0.62
International	ETC Engineering	7	0.54
International	First Year	3	0.75
International	Mechanical Engineering	11	0.55
[View File](#)			

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

Department	Number of Publication
Computer Engineering	3
ETC	5
[View File](#)	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
DESIGN AND FABRICATION OF AUTOMATED PNEUMATIC SHEARING MACHINE TO CUT ALUMINIUM SHEET	YOGESH JANGALE	International Journal of Mechanical and Production Engineering Research and Development	2018	2	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi-44, Pune, India	2
Macroporous WO3: Tunable morphology as a function of glycine	Dr. V. B. Patil	Ceramics International	2019	4	Department of Physics, Savitribai Phule Pune University, Pune, Ma	3

Title of the Paper	Name of Author	Title of journal	Year of publication	(col)	(col)	Institutional affiliation	(col)
concentration and its excellent acetone sensing performance						harashtra 411007, India	
Status of carbon capture and storage in India's coal fired power plants: A critical review	Mr.Keval Nikam	Environmental Technology Innovation	2019	7		Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi-44, Pune, India	8
Surface Fictionalization of MnFe2O4 nanoparticles with ethylenediamine for hypothermia application	Dr. V M Khot	Asian Journal of Chemistry	2019	6		Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi-44, Pune, India	7

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Macroporous WO3: Tunable morphology as a function of glycine concentration and its excellent acetone sensing performance	Dr. V. B. Patil	Ceramics International	2019	1	4	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi-44, Pune, India
Status of carbon capture and storage in India's	Mr.Keval Nikam	Environmental Technology Innovation	2019	1	8	Dr. D.Y. Patil Institute of Engineering, Management

				and Research, Akurdi-44, Pune, India

View File

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	15	0	0	0

View File

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Marathi Bhasha Din	National Service Scheme	5	120
YOUTH EMPOWERMENT PROGRAMME	YOUTH EMPOWERMENT PROGRAMME	35	530
150th Gandhi Jayanti Report October 2018	National Service Scheme	6	50

View File

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Swachata Abhiyan	Recognision	Indian Centrel Railway	50
NSS Camp	Recognision	Grampanchayat	50
Orphange Activity	Recognision	Nachiket Balagram, Akurdi	52

View File

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Making Of Ganesh Idol From Shadu Soil	Environment Conservation Association(ECA)	Making Of Ganesh Idol From Shadu Soil	15	90
Kerla flood donation	Rotract Club	Kerla flood donation	7	234

View File

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Virtusa Head start Program	Dr. Mrs. A V Patil	22869	1
ISTE FDP	Mr. Yogesh Jangale	1500	7
Quality Enhamcement and evaluation workshop for CEO	MR. Chetan Pawar	1000	3
KOHA Workshop Lonawala	Mr. Gopal Knodawale	1700	3
Virtusa Train The Trainer Program	MRs .Mili Lal	54200	5
National Conferenece	Mrs. Suvarna Patil	41149	2
View File			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Sharing of Research Facilities	Virtual Lab	College of Engineering Pune	01/06/2018	13/10/2018	600
Sharing of Research Facilities	Virtual Lab	Amrita University Kollam	14/08/2018	31/12/2019	600
Internship	Internship	General Motors India Pvt Ltd Pune	28/05/2018	27/07/2018	10
industrial Visit	Field trip	SAR Industries	13/08/2018	13/08/2018	110
Center of Excellence	placement	Virtusa Polaris	18/06/2018	12/06/2019	50
View File					

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Enviromental conservation association	01/06/2018	Making of ganesh idols from shadu soil.	95
Virtusa	15/06/2018	2018 Train the	96

		Trainer Pre-Placement Training Technical Training CodeCham-Code Challenge Check Your Aptitute 2MinT Tech Trek 2019 pre-Placement Training Technical Training COE project	
NASCCOM	11/04/2018	Technical Training	88
PMS Robotics Research Centre	23/02/2019	1.Value added course :Program Techniques data base management 2.Two final year sponsored projects for the year 2019-20 2018-19	12

View File

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
105	0.94

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added

View File

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
e-Granthalaya	Fully	3.0	2013

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	10195	3618779	1031	480110	11226	4098889
Reference Books	576	685961	0	0	576	685961
e-Books	9000	211810	6316	211810	15316	423620
Journals	40	112440	34	92526	74	204966
e-Journals	5052	1856404	2507	211810	7559	2068214
Digital Database	5	2054644	2	211810	7	2266454
CD & Video	737	0	15	0	752	0
Library Automation	1	0	0	0	1	0
Weeding (hard & soft)	0	0	0	0	0	0
Others(specify)	1	5000	0	0	1	5000

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	523	15	523	13	84	14	402	63	0
Added	40	0	40	0	0	0	0	37	0
Total	563	15	563	13	84	14	402	100	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Audio-Video System	https://www.youtube.com/channel/UC4YmXloYijid3FKvLoXMDCA

Audio-Video System	https://www.youtube.com/watch?v=lO5llCeaDqo
Audio-Video System	https://www.youtube.com/watch?v=hgtlNPwdl9q
Audio-Video System	https://www.youtube.com/watch?v=z2dWfFZlhdw

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
192	178.23	130	120.63

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

The Institute adopts standard established systems and procedures for maintaining the physical, academic and support facilities. There are Institute level committees that look after the various aspects of the utilization and maintenance of the physical, academic and support facilities. 1.General civil maintenance and upkeep of civil infrastructure is carried out at the campus level. 2. Minor maintenance of furniture items and metal fixtures is carried out by the workshop department and the minor electrical maintenance is looked after by the Electrical Maintenance coordinator and his team. 3. The maintenance of water coolers, Air conditioners and fire extinguishers in the Institute is carried by external agencies through annual maintenance contract. 4. Sports ground is maintained regularly, especially during the execution of the annual events. 5. Security of the Campus is assigned to external agency. 6. The canteen committee monitors hygiene and quality of food regularly. 7. Emergency exits and firefighting system are provided to counter situations like fire hazard and natural calamities. 8. Maintenance of the campus garden is looked after by the gardeners. 9. The maintenance and housekeeping of the classrooms, laboratories, library, and the Institute as a whole are taken care by external agency and non-teaching staff. 10. Repair and Maintenance of laboratory equipment's/instruments are initiated by the respective Laboratory In-charge as and when required. The purchase committee handles the repair/maintenance/calibration request appropriately. As a part of a regular practice laboratory in charge, along with laboratory assistant, ensures proper working of all equipment at the beginning of each semester. 11. The classrooms, laboratories, seminar halls, and library facilities are utilized regularly by the students for the learning process and timetables indicate the regular utilization of the respective facilities. 12. All the computer-related facilities including hardware, computer peripherals, UPS and generator are maintained by lab assistants and electricians of the Institute. 13. Anti-virus software is purchased and is renewed annually for the smooth working of all the computers in the Institute

https://www.dypiemr.ac.in/governance/policies-procedures-code-of-conduct

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees

Financial Support from institution	Employees Working in D Y Patil Pratishthan and Poor Needy Students	3	131818
Financial Support from Other Sources			
a) National	0	0	0
b)International	0	0	0
		View File	

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Career Counseling	02/07/2018	2149	Mr. Achintya A. Paradkar, Design Engineer TATA Technologies, Pune Venus Technology Mr. Shikanth T.S. General Manager Engineering Development, MINDA Group Mr. Achintya A. Paradkar, Design Engineer TATA Technologies, Pune Mr R Vaidyanathan, Relationsh
Bridge Course	02/07/2018	580	Mr. Riyaz Qureshi, Instructor at IRT Pvt ltd. Mr Asish Shahane, Mr Neel Shah , Predii Pvt Ltd Mrs. SwarupaPatil, Trainer, Pune Mrs. Mily Lal, Assistant Professor,DYPIEMR, Pune Mr. Vishal Shinde, Lead Engineer, HCL,Technology, Pune Mr. JaydeepChougul
Personal Counseling	02/07/2018	1172	Dr. Sapana Sharma, President, Association of Counselors and Psychtherapists, Nagpur Mr. Dinesh Nathani, Founder, Synergy with Energy, Pune

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	Guidance for competitive examinations and career counselling	832	2149	8	274

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
11	11	20

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
127 (List Attached)	435	271	9 (List Attached)	9	9

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	6	BE	Chemical	IIT Kanpur	M.Tech
2018	7	BE	Mechanical	CDAC, Pune	PG DAC
2018	3	BE	Civil	ANZPTC, Australia	Master of Construction & Infrastructure management
2018	5	BE	Computer	Lakehead University, Canada	MS in Computer
2018	1	BE	Electronics Telecommunication	CDAC ,Mumbai	CDAC

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

Items	Number of students selected/ qualifying
GATE	5
GRE	2
Any Other	1
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Cultural	Institute	220
Cricket	University	15
Swimming	University	1
Chess	University	4
Shooting	All India	1
Kabbadi	University	9
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Gold Medal	National	1	0	313802517052	Pragati Naikare
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The Student Council is formed in the institution every year for the participation of students in academic and administrative bodies/committees. The Institute has an active students' council comprising of General Secretary, Sports Secretary and Cultural Secretary. The Principal is Head of this council and one faculty member is appointed as the Student Development Officer. The council provides a platform to the students to plan, execute and express their views for various student activities like "Mrudang, Kurukshetra and College Magazine- Kaleidoscope" for the overall development of the students as well as the institution. This also helps in building up leadership qualities and teamwork. Through this council the students can participate in many extra-curricular and co-curricular activities like expert talks, quiz competitions, group discussions, debates, robo racing competition, robo war, CAD war, project exhibition, coding competition, model exhibition, etc. for their holistic development. The Institute has following bodies on which the students have their representation. Academic Bodies • ISTE (Indian Society for Technical Education Students Chapter) • NSS (National Social Service) • CSI (Computer Society of India Students Chapter) • COMPSA (Computer Engineering Students Association) • ACM (Association of Computing Machinery Students Chapter) • MESA (Mechanical Engineering Students Association) • CESA (Civil Engineering Students Association) • IE (Institution of Engineers Students Chapter) • IIChE

(Indian Institute of Chemical Engineers Students Chapter) Administrative Bodies • Internal Quality Assurance Cell: Function of this cell is to plan, guide and monitor quality assurance and quality enhancement in all the academic activities. • Anti – Ragging Committee: To prevent ragging within campus premises and create awareness amongst students about consequences of harassment and ragging on the students. • Cultural and Social Committee: This committee plans and organizes cultural and social activities at institute level. • Alumni Association: It has been formed to strengthen the bond between alumni and Institute and thus contribute for the overall progress of the institute. • General Grievance Cell: This cell takes into consideration general grievances of the students and to take proper action regarding their issues. • Magazine Committee: This committee gives an opportunity to the students to showcase their talents such as sketching, painting, poetry, writing, etc. This exercise assimilates societal values in students. • Student Development Cell: This cell gives an opportunity to poor and needy students to work in the Institute for which they are paid according to the norms set by University. • Student Council: It Acts as Moderator between the students of all the departments. It looks after the needs and requirements of students and to communicate the same to the faculty advisors. • Internal Complaint Committee: To provide moral support to the students to raise their grievance, if any to bring transparency in the process. • College Development Committee: This committee is formed to contribute to the overall development of the Institute. • Students Club: Institute has clubs like Rotract, Astronomy, Arts Circle, Cyber Security and Environmental Club.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

 Yes

The Alumni Association was formed on 27/12/2017 (Registration number MH/1855/2017/Pune) to create mutually beneficial lifelong relationships between DYPIEMR and its alumni. It is registered under the Societies Registration Act 1860 and as per the jurisdiction of Pune Region. The alumni association is formed with the following objectives in mind. • To foster the bonds between the Alumni and the Institute. • To extend help to the students of the Institute through alumni for placement and industrial training. • To act as a bridge between the Institute and the industries for interaction on new developments in different disciplines of engineering. • To assist the Institute to promote R D activities, testing, and consultancy. • To extend help to the Institute authorities in every possible way for the overall progress of the institution. Through these offerings, we hope to keep the alumni connected to the DYPIEMR family and part of a legacy of engineering excellence at DYPIEMR and also to interact with the alumni in several events in the near future. Alumni Association plans to share the experience of alumni by means of guest lectures and training programs.

5.4.2 – No. of enrolled Alumni:

515

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Meeting was Conducted on 9 March 2019.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

Participative Management and decentralization are ensured at all operational levels i.e. GB, LMC / CDC, IQAC, various committees cells, etc. through the representation of stakeholders. Inputs from faculty, students and all stakeholders are considered for policy decision making and its implementation at the department and Institute level. The departments are encouraged to arrange various activities for the benefit of students and faculty, and all necessary resources are provided to conduct such activities. DYPIEMR has constituted 21 committees in addition to the committees as mandated by the statutory authorities. This facilitates democratization and decentralization of the decision-making process and helps to improve the efficiency of the organization. The management provides leadership to the faculty and supporting staff by involving them in the decision-making process, thereby, building an organizational culture based on trust and participative management. Management of the Institute believes in decentralization and participative management and hence roles and responsibilities of various bodies/cells/individuals are well-defined. Practice 1. Library Functioning: The Central Library has always been striving hard to meet the expectations of its users. The library plays a very critical role in supporting the academic programs of the Institute. It identifies, evaluates, procures, processes and then makes learning resources available to the faculty and students for their teaching, learning and research assignments. The requirements arising due to change in syllabus or enhancement in technology are submitted by the departments to the library. Library Committee conducts meetings during which requirements submitted by the departments are discussed and the procurement plan as per the standard procedure is finalized in consultation with the Principal. Library provides various facilities to faculty and students such as Internet Facility for eResources, Library Blog, Digital Library Services, NPTEL Online Lectures, Book Bank Facility, newspapers, etc. Practice 2.Information and Communication Technology(ICT): Education has evolved over the years from basic reading and writing to the present day. As we move from the era of old technology to highly sophisticated technology, there is a growing need for a skilled workforce at all levels. The education system faces challenges like expanding the reach of education, imparting quality education at affordable cost which cannot be solved by the traditional educational system. It was finalized after taking feedback from various stakeholders that institute must take additional efforts to ensure the more and more ICT facilities. And hence now currently institute has a well-established ICT cell which frequently conducts ICT awareness sessions at the institute level like the use of modern ICT tools such as google classrooms, YouTube, active presenter, Moodle, flipped classrooms, Quizlet, Kahoot, etc

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Industry Interaction / Collaboration	As a measure of quality improvement as well as to bridge the gap between academia and industry, DYPIEMR has established an Industry-Institute Partnership Cell (IIPC). IIPC strives to enhance industry interaction and bridge the gap between academia and

		corporate world by arranging activities like industry visits, internships, sponsored projects, external project evaluation etc. Valuable inputs are obtained from industry experts that help in aligning academic activities with the trends in the industry. Students are encouraged to work in industries as interns during vacations and also to take up industry sponsored projects.
	Human Resource Management	HR management: Institute has appraisal policies to ensure all the teaching and non teaching faculty that if they work sincerely and honestly they will be applauded by the management. • 50 Fee Concession to the ward of teaching and non-teaching staff members of the Institute. • Special leaves are provided to faculties on their birthdays (for unmarried) and marriage anniversary (for married). • A paid leave for qualification improvement is provided to the employee. • Provident Fund scheme for the employee.. • On duty leaves are provided to the faculty members for attending as well as participating conferences and seminars. • Medical leaves
	Research and Development	Education and research are associated with each other and developed by the Research culture exist in the Institute is one of the predominant activitie. An 'Incubation and Innovation Cell' has been instrumental in encouraging the faculty and students for research activities.. Many students have won accolades in various research competitions like KPIT Sparkle, Smart India Hackaton, SPPU Aavishkar Project Competition etc. Many of the faculty member have published their publications in very reputed journals such as scopus, elsivier, etc. As a part of Research and Developoment policy of the institute our student have enrolled in Compititons like BAJA/SUPRA
	Examination and Evaluation	To enhance the performance of the students in the University exams and Internal examination efforts are taken by the subject teachers. Question bank related to important concepts will be given to students well in advance and a discussion on the topics will be done by the subject teachers. Students are informed about the process of

	evaluation by the examiners and are enlightened by the method of expressing the answer and the technical aspects that fetch the score or credits in the course. An overall quality improvement strategy is developed
Teaching and Learning	Emphasis on Outcome Based Education (OBE) in DYPIEMR has always led to improvise quality of the teaching. Under the guidance of IQAC and ISO planning has given an insight for the various methodologies of teaching and making the students Industry ready. Inview of this various steps has been taken such as Genomio software is introduced to all students to enhance the soft skills in the students. Use of ICT in teaching learning process has increased as a result of GNOMIO Moodle and other subsequent tools such as google classroom, kahoot , etc.
Curriculum Development	As we are affiliated to Pune university so we do not have control over curriculum development but however we tried to conduct additional guest lecture/seminar/industrial visit to cover up the curriculum gap.
Library, ICT and Physical Infrastructure / Instrumentation	The Central Library is stacked with adequate number of reference books textbooks and has e-learning resources such as NPTEL videos, e-journals (IEEE, Sciencedirect, ASME and ASCE), etc. Institute Library is a member of the National Digital Library (NDL), DELNET and SPPU Jaykar Library. Its operations are automated through the e-Granthalaya software. To effectively function, the library in DYPIEMR is well equipped with 10949 books comprising of Text books, Reference books and general books. In addition, Journals, Technical Magazines, newspapers, CDs etc. are also available. The library also has subscription to National Digital Library, DELNET, SPPU- Jaykar Library, e-journal facility, subscriptions to various journals, availability of downloaded e-books etc. Institute has a well-established ICT cell which frequently conducts ICT awareness sessions at the institute level like use of modern ICT tools such as google classrooms, YouTube, active presenter, Moodle, flipped classrooms, Quizlet, Kahoot etc

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

E-governace area	Details
Planning and Development	Institute plan the academic activities in advance and publish them to the student online through MIS system , google classroom , Gnomio Moodle so student get to know it in advance about it. Institute send various notices and circulars to the student through google classroom, moodle about unit test/prelium/feedback. etc
Finance and Accounts	Institute is using the Talley.ERP 9, MS office to facilitate the daily work for account and finance. Payment receipts are generated online and database in maintain in soft copy.
Student Admission and Support	All information about institute is available on website. Interested student can post queries online and get the required information. Other facilities like Library is also available online. Use E-Granthalaya and Calibre Version 3.0 Open Source to facilitate e-governing . Institute promote the use of Gnomio Moodle and Smart School MIS system to conduct exams and to share learning resources. website is very friendly to get all the required information about institute or particular department.
Examination	As Institute is affiliated to Savitribai phule Pune university and follows the examination system according to guide lines. Online university examnations conducted for F.E and S.E students. Institute has well equipped computer center to conduct these examination. Internal examinations are also conducted online through ICT tools such as Gnomio Moodle/Smart School MIS/Google classroom/Kahoot/Quizlet etc.
Administration	Institute have taken initiative to promote green measures in administration through use of ERP/MIS. Various operation of office/Library/all Department and Sections are incoporated in MIS.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support

2018	Dr. Mrs. A V Patil	Virtusa Head start Program	NO	22869
2018	MRs .Mili Lal	Virtusa Train The Trainer Program	NO	54200
2018	Mrs. Suvarna Patil	National Conferenece	NO	1000
2018	MR. Chetan Pawar	Quality Enhamcement and evaluation workshop for CEO	NO	1000

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	One Week Faculty Development Program on Security Analystin association with NASSCOMM		15/06/2018	19/06/2018	33	0
2018	Three days Faculty Development Program on Laboratory Practices IV		07/01/2019	09/01/2019	84	0
2018	SUSTAINABLE MATERIALS USED IN CONSTRUCTION		11/06/2018	15/06/2018	33	0
2018	Vibration Measurement and Analysis By Mechanical Dept		04/06/2018	09/06/2018	28	0

[View File](#)

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher

Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Five days FDP onIOT using Python-98-381	11	11/06/2018	15/06/2018	05
FDP on Vibration Measuement and analysis	23	04/06/2018	09/06/2018	06
One week Refresher Course on Machine learning	4	04/06/2018	09/06/2018	06
FDP - Outcome Based Education - An Effective Teaching Learning Practice assessment.	9	11/06/2018	16/06/2018	06
[View File](#)				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
50	65	9	49

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1) 50 percent Fee Concession to the ward of teaching and non-teaching staff members of the Institute. 2) Special leaves are provided to faculties on their birthdays (for unmarried) and marriage anniversary (for married). 3) A paid leave for qualification improvement is provided to the employee. 4) Provident Fund scheme for the employee. 5) Gratuity scheme for employee in gratitude for their services offered to the institute. 6) On duty leaves are provided to the faculty members for	1) 50 percent Fee Concession to the ward of teaching and non-teaching staff members of the Institute. 2) Special leaves are provided to faculties on their birthdays (for unmarried) and marriage anniversary (for married). 3) A paid leave for qualification improvement is provided to the employee. 4) Provident Fund scheme for the employee. 5) Gratuity scheme for employee in gratitude for their services offered to the institute. 6) On duty leaves are provided to the faculty members for	1) 100 percent Fee Concession for the university toppers 2) Insurance 3) Book Bank Facility in which student will get required book for some stipulated time for free. 4) If the student is a ward of employee of Dr. D.Y.Patil Educational Complex akurdi then he/she will get 50 concession in fees 5) Earn and Learn Scheme 6) All scholarships are extended to the student (Government/Non Government)

attending as well as participating conferences and seminars. 7) Medical leaves 8) Maternity leaves- 6 Months maternity leaves are provided to women employee after completing probation of 2 years.	attending as well as participating conferences and seminars. 7) Medical leaves 8) Maternity leaves- 6 Months maternity leaves are provided to women employee after completing probation of 2 years.	

6.4 – Financial Management and Resource Mobilization

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

DYPIEMR maintains high transparency in all financial transactions. All expenses are done in accordance with well-defined procedures laid down by the Management. Every year Institute budget is prepared and submitted to the management for sanction. All expenses incurred are as per the provisions in the budget. The institute has conventional well known mechanisms for conducting internal and external audits for every financial year to confirm financial compliance. Financial audit is carried out twice a year, in the month of October/ November for the period of April to September and in the month of April / May for the period of October to March. An internal approval system for all expenses is in place. Accordingly bills / vouchers are recommended for payment by the Heads of the Departments, Section In-charges and are approved by the Principal. Standard accounting procedures are followed by the Accounts Department and proper records are maintained. Internal audit is carried out by the team headed by the Registrar. The purpose of internal audit is to review the implementation of sanctioned budget, fees received, overall expenses, outstanding receivables and payments etc. External auditors are appointed by the management to carry out the financial audit. External audit is carried out once in a year. Last financial audit was carried out in July/August 2018. No major audit objections were found in the audit report since the Institute follows a good system of internal controls like calling for quotations, preparing comparative statements for purchases, preparation of purchase orders and approval notes. No expenses are allowed without proper approval or sanction from the authorities.

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

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

15975789

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Dr. Sachin Sakhare	Yes	Dr. S.G.Dambhare, Dr. Manisha Bhende, Prof.

					Amit Umbrajkar
Administrative	Yes	Dr. R.V.Bhortake	Yes	Dr. S.G.Dambhare, Dr. Manisha Bhende, Prof. Amit Umbrajkar

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

A parent teacher meet helps to communicate to parents the areas their ward are excelling in and to give them specific ideas of how to improve upon their childs performance in academic as well extra curricular activities. following are the activities and support from parents received 1) Some of the parents agreed to help in training and placement activities 2) suggestion given by parents during parent teacher meet were really helpful to update them for their wards performance such as watsup group to be made with parents and student. 3) Some of the parents are the part of Departmental Advisory Board of the department. 4) some of the parents have their own industry so they have provided opportunity for student to go their for project work/internships/industrial visit.

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

1) Digital awareness Program 2)Computer awareness Program 3) Lecture on Healthy Heart

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

1) Processed for ISO Certification. 2) Innovation and Incubation cell activities has be strengthen 3) Gnomio Moodle server has been in full operation. 4) To strengthen Industry- Institute Partnerships 5) Participation in various competitive events/hackthon/Avishkar etc

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Faculty Orientation Workshop on BE (ETC/Elex) Revised Syllabus 2015 course under the aegis of BoS Electronics,	13/07/2018	13/07/2018	13/07/2018	41
2019	Workshop on "IOT Using Python"	13/07/2018	13/07/2018	28/07/2018	94

| 2019 | Workshop on PCB Layout and Designing | 23/08/2018 | 23/08/2018 | 23/08/2018 | 58 |
| 2019 | Three days Faculty Development Program on Laboratory Practices IV | 07/01/2019 | 07/01/2019 | 08/01/2019 | 84 |

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Being women by Dr.Sapna Sharma for girls hostel students	19/01/2019	19/01/2019	46	0
Youth empowerment programme by Dr.Prakash Amte, Dr.Mandakini Amte Mr.R.K.Pad manabhan,IPS, Commissioner of police,PCMC,Pune	11/12/2018	11/12/2018	80	70
Teacher Guardian faculty Development programme - Being The One	19/09/2018	19/09/2018	60	40
Training Programme For Girl Students Of WomenEmpower ment Programme "My Life…….My Way"	20/02/2019	20/02/2019	116	0
Training programme for S.E students Temptations and challenges of student life by	17/01/2019	17/01/2019	300	227

Dr.Sapna Sharma ,President, Association of counselors and psychotherapists,Nagpur						

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

Percentage of power requirement of the University met by the renewable energy sources
22.60

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Rest Rooms	Yes	2
Scribes for examination	Yes	2
Braille Software/facilities	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	39	39	01/08/2018	100	MOU,SITE VISIT,MHT-CET EXAM	INDUSTRIAL VISIT,FIELD WORK	300
2019	41	41	02/01/2019	120	MOU,SITE VISIT,MHT-CET EXAM	INDUSTRIAL VISIT,FIELD WORK	325
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Road Safety	18/06/2018	Unit I:Introduction to Road Safety Road traffic accidents scenario in India and in world. Road Safety and its importance. Traffic Rules and Driving Behavior. Characteristics of accidents, accidents vs. crash. Unit II: Planning for Road safety Awareness about rules and

regulations of traffic. Assisting Traffic control authorities. Multidisciplinary approach to planning for traffic safety and injury control. Vulnerable road users: crashes related to pedestrian and bicyclists, their safety, provision for disabled. Unit III: Responsibility of Road accidents and Safety measures People responsible for accident prevention: Police, Politicians, Community members, Policy makers, Teachers, Parents, Infrastructure authorities, Drivers and Official road safety body. Reasons of students/ children have accidents. 4 E's of Accidents Prevention: 1. Engineering - by altering the environment 2. Enforcement - by imposing laws 3. Encouragement - by the use of publicity campaigns 4. Education - by gaining and using knowledge. Unit IV: Road Safety Education Introduction to Road Safety Education. 5 P's of Road safety education: 1. Pre-school road safety education 2. Practical rather than theory education 3. Principles of own development as regards to road safety education 4. Presentations on road safety education 5. Place for road safety education in syllabus Unit V: Road Safety Events Discussions on efforts done by Government on Road Safety. Celebration of Road Safety week or Workshop on Road Safety week/ Organization of seminar on Road Safety. This is to be entirely

			organized by students under the mentorship of concerned Head of the Department.
Value Education	18/06/2018		Value Education: Definition, Need, Content, Process and relevance to present day. Concept of Human Values, self introspection. UNIT 2: Salient values for life Truth, commitment, honesty and integrity, forgiveness and love, empathy and ability to sacrifice, care, unity, punctuality, Interpersonal and Intra personal relationship, Team work , Positive and creative thinking. UNIT 3: Human Rights Universal Declaration of Human Rights, Right to Information Act -2005, National Integration, Peace and non-violence, Dr. A P J Kalam's ten points for enlightened Citizenship. The role of media in value building. UNIT 4: Environment and Ecology Ecological balance, interdependence of all beings – living and non-living. Man and nature, Environment conservation and enrichment. UNIT 5: Social values Ethical values Social values - Social consciousness and responsibility, Consumer rights and responsibilities. Ethical values - Professional ethics, Code of ethics of engineers, Influence of ethics on family life, Leadership qualities and Personality development.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Youth empowerment programme by Dr.Prakash Amte,	11/12/2018	11/12/2018	150

Dr.Mandakini Amte Mr.R.K.Padmanabhan,IPS, Commissioner of police,PCMC,Pune			
Training programme for F.E students Synergy with Energy: Explore the Genius within by Mr. Dinesh Nathani, founder ,Synergy with energy,Pune	14/01/2019	14/01/2019	460
Training programme for S.E students Temptations and challenges of student life by Dr.Sapna Sharma,President, Association of counselors and psychotherapists,Nagpur	17/01/2019	17/01/2019	527
Training programme for Teacher - Guardians From Teaching to Mentoring by Dr.Sapna Sharma,President, Association of counselors and psychotherapists,Nagpur	19/01/2019	19/01/2019	76
Personal counseling sessions by Dr.Sapna Sharma,President, Association of counselors and psychotherapists,Nagpur	19/01/2019	19/01/2019	5
Training programme for students of girls hostel Being Women by Dr.Sapna Sharma,President, Association of counselors and psychotherapists,Nagpur	19/01/2019	19/01/2019	45
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

c) E-waste management Institute has developed procedures for e-waste management. Bins are placed department wise to collect e-waste like computer spares, electronic boards, electrical switches etc. This helps to create awareness among staff and students. The collected e-waste is disposed off through authorized agencies for dismantling and recycling.

Rain water harvesting structures and utilization in the campus The rain water harvesting system has been implemented by the Institute which has saved considerable amount of water. The entire campus rain water is collected in the institute harvesting storage which is a rectangular tank that is provided at backside of the Institute. Through the natural slope of building, rain water gets collected and is channelized through gutters to the pre-defined storage destination which is used for gardening. It inculcates a culture of water conservation by storing surface water which otherwise would runoff during monsoon.

Students, staff using a)Public Transport The Institute is situated near Akurdi railway station. The timings of the institute are in line to the train timings making it convenient for the faculty and students to commute by local train. Due to the locational advantage of the Institute being connected by main road, it is having good accessibility of buses. Many of our faculty, staff and students prefer to come using car pool service helping for serving the environment. Every second Saturday of the month is dedicated to the No-Vehicle day and no cars and bikes are allowed in the institute premises. b)Pedestrian friendly roads Campus is well equipped with the pedestrian friendly roads which are concrete make. The same roads are also utilized for vehicles movements but with very low limiting speed of 15 km/hr.

c) Plastic-free campus Institute has taken steps towards creating an eco-friendly campus by prohibiting the use of plastic. The institute does not allow the canteens inside the campus premise to use any plastic utensils. d) Minimal Usage of Paper Our institute has taken initiative towards paperless office by using ERP system and internet access. All the attendance of the classes are taken on the ERP software. Communication with all stake holders is made through services like email, SMS, Google sheets, ERP and other automation software that ultimately reduces the paper work and utilization. f) Green landscaping with trees and plants The institute is equipped with a wonderful green landscaping which is appreciated by all visiting the campus. The green campus has a variety of plantation all around the campus, a special landscaped garden and beautiful fountain. Institute also has provision for sustainable lawn maintenance and landscaping. For maintaining the greenery, sprinklers are used to water the lawns using recycled water. Pimpri Chinchwad Municipal Corporation (PCMC) has awarded First Prize to the educational campus in entire vicinity based on "Best Landscape Design and Best Landscape Maintained Campus" conducted by the officials of PCMC for the last four years. The Institute has taken various measures under the guidance of Institute leadership to keep the campus clean, green and pleasant. Diversity has been very well kept in mind while planting trees in the campus.

To create awareness among students about eco-friendly campus, there are courses in first year engineering and other department on Environmental Science. Institute encourages the students through model/ poster making on recycling the waste. Every attempt is made to make the campus eco-friendly by proper waste management. There are separate procedures for solid waste, liquid waste and e-waste management. a) Solid waste management Institute has provided dustbins at various locations to collect solid waste like paper waste, wrappers and garbage. Housekeeping staff cleans the classrooms, laboratories, Institute premises and empties the garbage dustbins to PCMC vehicle on daily basis. Towards the efforts for carbon neutrality, we do not allow dry leaves and waste papers to be put on fire in the campus. The Institute has carried out plantation drives to make the campus green.

b) Liquid waste management Institute has constructed a 180000 lit capacity of sewage water treatment plant for liquid waste management. An activated sludge process of Moving Bed Bio Reactor has been implemented for the treatment of the liquid waste. The treated water is used for gardening purpose and helps to

maintain the greenery of the campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices-I Title of the Practice:Career Augmentation Training for Students Objectives of the Practice • To improve communication and soft skills • To enhance technical competence of students • To improveemployability The Context One of the core values of DYPIEMR is Focus on Students. Students are considered as the most important stake holders of the institute and all efforts are made for their holistic development so that they become quality conscious technocrats and responsible citizen. Students with diverse socio-economic and academic background are admitted every year. Hence it is necessary to identify their training needs to make them employable at the end of their education in the institute. To achieve this objective, it is necessary to train them to enhance their soft skills and technical competence. The Practice The following efforts are taken by the institute to train the students: • Soft skill training o Professional trainers are hired for training students in Aptitude, Group Discussion, Personal Interview Techniques and Resume Writing o Efforts are taken for the enhancement of interpersonal skills o Personal Interview sessions which include everything like dressing, greeting, gestures, postures, confidence preparation for the anticipated potential questions o Training under strict supervision of Training and Placement Cell o Emphasis on improving communication, listening, negotiation, etiquette, language skills etc. • Technical add-On training o Preparing students for their core technical subjects like Java, DBMS, SQL, C, C, Ansys, S/W Testing o Provide training according to current market trend to meet the requirement of top leading organizations o Students are encouraged to participate in various competitions organized by Industry like: TCS CodeVita, TestiMony, EngiNX, Barclay's Tech Innovation Challenge, KPIT Sparkle, Aakruti by KPIT, Infosys Hackathon, Hackathon Pune by e-Zest etc. o Easier access to the subject experts to seek clarifications o Training sessions are arranged for students with regard to opportunities in higher education and importanceof GATE, TOEFL, GRE etc. • Foreign language Training o Japanese language training program (JLTP) is an initiative for providing students the better placement opportunities in MNC's /top leading organizations looking out for multilingual candidates. This training is initiated by TCS in our Institute under the TCS Hikari Program. Professional trainers are called for giving training to the students. This is N5 level training program. Students get certificates after completion of the training. They get placement opportunity in TCS after clearing N5 exam Evidence of Success • In the last two years, approx 50 students have participated in JLPT • In the last three years,440 students are placed. Placement assistance to the remaining unplaced is still going on • 4 of our students had been selected for Indian Army. TanayKumthekar had secured AIR 42nd rank in Combined Defense Services • As of now, 6 of our students have turned into established entrepreneurs • Observed a significant increase in the number of students who are GATE and GRE Qualified. In 2017-18, 17 students have cleared the national/international exams for higher studies Problems Encountered and Resources required • Mismatch of schedule of the resource persons for the various trainings. • Identification of resource persons and making them available as per the academic schedule. • To remove reluctance of the students to participate in career enhancement and student development training sessions. • Explaining students, the importance of the additional trainings. 2. Best Practices-II Title of the Practice: Industry Institute Participation Cell Objectives of the Practice • To promote participation of industry personnel in the development of curricula student projects. • To arrange industry visits and industrial training for the faculty and students of our institute. • To develop a strong technical workforce that would bridge the gap between industry

requirements and academic orientation. • To facilitate internships, organizing seminars, workshops and expert talks by eminent personalities and leading industrialists. • To arrange the Add-On Courses which allows the students to choose any branch specific or interdisciplinary course apart from academics which strengthen the profile and knowledge of the student. • Memoranda of Understanding between the Institute and Industries to bring the two sides emotionally and strategically closer. The Context The success of the institute depends on the quality of its faculty and students. Better interaction between Institution and industry is the need of the hour. This will have great bearing on the Engineering Curriculum, exposure of industrial atmosphere to engineering students and subsequent placement of young graduating engineers in industries across the country. With the advent of globalization and opening up of Indian economy to outside world, competition among industries has become stiff. To solve their engineering problems they look up now to engineering institutions. Similarly, there is an urgent need to prepare engineering students for jobs in multinational companies, by exposing them to newer technologies and engineering methodologies. These objectives can only be achieved well by bridging the gap between industry and the academic institute. The Practice Considering the need to enhance the professional development of the students, the institution has introduced an Industry Institute Participation Cell. The Industry Institute Participation Cell actively helps the students by providing them necessary guidance from experts to help the budding Entrepreneurs of the institute. The cell makes the students aware about the various entrepreneurship encouragement schemes declared by the state and central government. The industry institute participation of the institute is instrumental in enhancing the quality of education by arranging vocational trainings, guest lectures, industry sponsored projects, industrial visits, faculty trainings through industry institute interaction. To promote Industry - Institute Participation, following practices are being undertaken: • Organizing workshops, conferences and symposia with joint participation of the faculty and the industries. • Encouraging engineers from industry to visit our institute to deliver lectures. • Visits of industry executives and practicing engineers to the Institute for evaluating student projects and exhibits, discussions and delivering lectures on industrial practices, trends and experiences. • Signing Memoranda of Understanding between the institute and industries to provide trainings beyond curriculum and internships for the graduating students. • Faculty members are sent for industrial training as a part of Train the Trainer Programs.Faculties who attend sabbatical training in industries share their knowledge and experience with others in the department and also impart in-house training to the students. • Setting up of Industry Centre of Excellence in the institute for imparting industry oriented training programmes. • Promoting scholarships/fellowships instituted by industries at the institute for students. • Arranging industrial visits for the students to gain practical knowledge and to learn the current trends in technology which enable them to come out with innovative projects. • Encouraging students to participate in industry organized competitions. Evidence of Success • The training has enhanced faculty members' contribution as well as students' placement. • The institute established Virtusa Centre of Excellence on 16th February 2018. In-house trainings were conducted under this scheme. The Institute was awarded the "Best COE" by Virtusa based on the students' performance in the various assessments conducted by them. • Various Memoranda of Understandings were signed between the Institute and the Industry to conduct technical skill development training programs, internships/projects and placements. • Several industry sponsored U.G projects were undertaken by the final year students. Projects are accepted and appreciated during SPPU external evaluation. • On the basis of students' feedback, the guest lectures, workshops and other training sessions conducted by industrial personnel are observed to help students improve their skills and technical knowledge. • Participation of students in

various competitions organized by Industry like: TCS CodeVita, TestiMony, EngiNX, Barclay's Tech Innovation Challenge, KPIT Sparkle, Aakruti by KPIT, Infosys Hackathon, Hackathon Pune by e-Zest etc • Yearly scholarship of amount of Rs. 30,000/- awarded under the Schneider Electric India Foundation Scholarship Program. Problems Encountered and Resources Required • Identification of industrial experts and their availability. • Appointment of faculty coordinator: To organize, coordinate the activities. • The activities need to be planned beyond the students' regular academic engagements. • Traditional reluctance of students to participate in professional development /training. • The college has made the Seminar Hall and Computer Center available for all the sessions and to all the departments.

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

https://www.dypiemr.ac.in/about-us/institute-at-a-glance

7.3 – Institutional Distinctiveness

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

Faculty Enrichment Program Institute vision is to strive for excellence by providing quality technical education and facilitate research for the welfare of society. In-line with the vision, priority and thrust, the institute consistently provides motivation, support and platform for all the faculty members who play a vital role in the development of the institute. The institute organizes Faculty Enrichment Programmes for promoting faculty quality through a three pronged strategy that aims at personal, professional and holistic development of faculty members thereby facilitating their role as educators and mentors responsible for grooming the future citizens with knowledge, attitude and skills. The institute conducts various Faculty Enrichment Programmes with the following objectives: ? To enhance their knowledge and skills ? To inculcate professional ethics ? To acquaint them towards quality research ? To augment their effectiveness in content designing and delivery ? To familiarize them with their social responsibilities ? To implant extra care for students requiring special attention for their improvement In order to produce engineers of professional excellence, and to prepare the students for better career opportunities, the faculty members are expected to have a genuine and sustained commitment to excellence in teaching and learning. The way teaching-learning is conducted in the institution is an important factor for the future of professional career of the students. To meet the demands of technical profession and emerging job market, the institute is offering opportunities to empower the faculty to identify appropriate instructional materials and assessment methods. Continuous process of faculty quality enhancement helps to involve the participants in active, in-depth teaching-learning activities. Experience showed that fostering quality teaching is a multi-level exertion.Support for quality teaching takes place at three inter-dependent levels: ? An Internal Quality Assurance Cell is setup at institute level for proper policy framing regarding development. ? At programme level, different measures such as appraisal and feedback systems are developed to evaluate and enhance the quality of faculty by conducting or attending faculty development programme which will lead to the better content delivery of the courses ? Individual faculties are supported to get enhanced at different level such as higher studies, individual growth etc. The IQAC reviews the appraisal and feedback of the faculty members and suggest the measure required for the improvement. Such feedback and guidance is essential in giving faculty ample opportunity to meet the Institutes expectations. Meetings and discussions are conducted with the faculties about their recent accomplishments and performance. Based on the guidelines, faculty members are encouraged to attend

various FDPs/In-house training sessions. Enhance teaching-learning process and thereby improve the quality of the graduating students is the first priority of the institute. Providing such enrichment programs, institute's consistent exertion is focused in student performance and engagement. Student academic performance has improved over the years, which exhibits effective and innovative teaching methodology of the faculty members. Faculty members have incorporated active learning methodologies through discussions, group work, lectures, laboratory work, workshop exercises, assignments, projects, use of ICT – classroom presentations, video lectures etc.

Provide the weblink of the institution
https://www.dypiemr.ac.in/about-us/institute-at-a-glance

8.Future Plans of Actions for Next Academic Year

1.To Implement of ISO-21000:2018 2.To Prepare for NBA activities 3. To Strengthen Industry Institute interaction cell activities 4. To Strengthen Innovation and Incubation cell activities 5 .To Increase quality publication (Scopus and SCI index) of staff and students. 6.To Increase activities in Entrepreneurship development cell. 7.To Increase funding from external agencies to develop the labs. 8.To submit proposals to funding agencies for Research and Modernization of Laboratories (MODROB) 9.To sign MOU with industries to get Industry Sponsored Projects and Internship, Training of Students. 10.Redefine PEO's and PO's of all Department for NBA preparation. 11.To initiate the Outcome Based Education, Monitor and Implement Effectively in view of NBA. 12.To motivate faculty for Industry-Interaction with objectives to get Sponsored Projects and Placement of Students.