

DR.D.Y.PATIL PRATISTHAN'S

DR. D. Y. PATIL INSTITUTE OF ENGINEERING, MANAGEMENT & RESEARCH AKURDI

COMPUTER ENGINEERING DEPARTMENT **TECH ERA** 2020-21

www.dypiemr.ac.in

ABOUT DEPARTMENT

Department of Computer Engineering DYPIEMR offers of a broad undergraduate Pune university based theoretical curriculum. on foundations of computer engineering, practical applications and designing and implementation of the products and software's. A continued effort on building and improving infrastructure whether physical or intellectual is something that is a part of us.



Mrs. Pratiksha Shevatekar Head of Department

Vision

To produce competent computer professionals having strong fundamental knowledge, technical skills and work ethics.

Mission

- 1. To promote growth of an individual by imparting comprehensive knowledge of tools and technologies.
- 2. To enrich industry-institute interaction in order to provide a platform to know industry demands and motivation for sef employment.
- 3. To bring forth a conducive environment to enhance soft skills and professional skills to cater needs of society.
- 4. To facilitate research and innovation by engaging faculty and students in research activities.

ACADEMIC EXCELLENCE

SEM 1: TOPPERS

B.E.

T.E.

SEM 2 : TOPPERS

B.E.

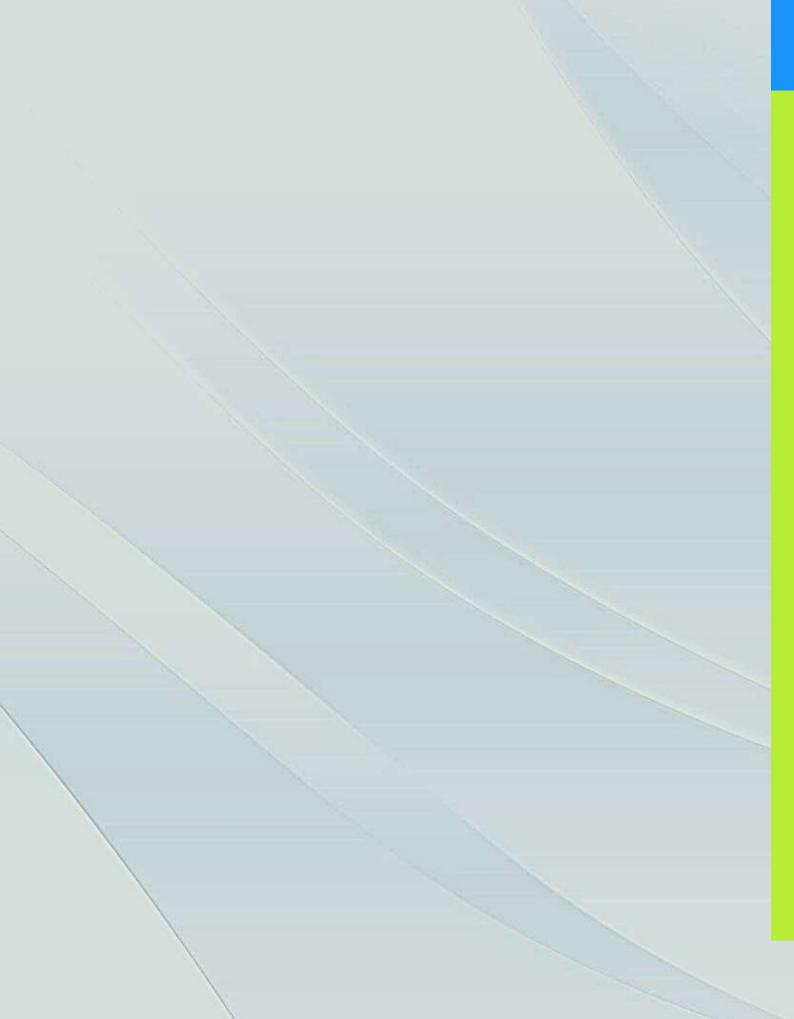
T.E.

S.E.

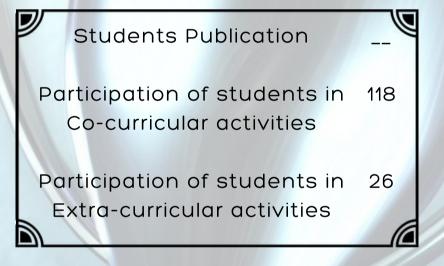
EVENTS UNDER STUDENT ASSOCIATION/CHAPTER

coders club

SOCIAL AWARENESS



STUDENT ACHIEVEMENTS



Companies that visited the institute in the year 2020-21

VIRTUSA , ZYCUS, Evosys ,Sagitech, Value Labs ,Arxxus, TATA Elxsi, Xoriant Solutions Pvt. Ltd, Zensar Technologies, EPAM, TCS, L&T Infotech, SABA,Eternus Solutions, Fiserv, Softcell Technology, JTP,Adrasonic, IBM,Bentley System,Icertis, Technovance, Bitwise,Fusion Stack ,Infostretch, Core Compete,Mindtree, Blazeclan, EClerx, Wipro, DemandFarm, Flextronics, TATA Technologies, Vodafone, Infosys , Go speedy Go, Neeyamo Enterprise, Sanmar Group, Jaro Education, Pratian Technology, TATA Consulting Engineers Limited.



FACULTY ACHIEVEMENTS

	Faculty Publications		A A
	Awards/Certifications		
	Patent	1	
	Copyright	4	
	FDP Attended		
7	STTP Attended		
	Workshop Attended	2	
	Seminar Attended		6
			// 4

Edited by Yash Vijaykumar Shetiya Student

Coordinator

Edited by Mrs. Shivganga Gavhane Faculty Coordinator Verified by Mrs. P.P. Shevatekar HOD Computer



Dr. D. Y. Patil Pratishthan's DR. D. Y. PATIL INSTITUTE OF ENGINEERING, MANAGEMENT & RESEARCH

Department of First Year Engineering

About Department

The Department of First Year Engineering is the largest department in the institute. It achieves the highest standards teaching. The First-Year Engineering Program is the entry point for all beginning engineering students. It is one of the basic and important departments to establish the important link between pure sciences and engineering branches.



requirements before entering departments of their choice. This core curriculum includes courses in engineering mathematics, engineering chemistry, engineering physics, electrical engineering, electronics engineering, engineering drawing, engineering

Mrs. Kavita Joshi Head of the Department

mechanics, workshop practices and computer programming. The First-Year Engineering Program provides students with a firm foundation and initial understanding of engineering and career options.

This department is furnished by well equipped laboratories with sophisticated instruments, computer center and work-shop, which gear up to ensure strong fundamentals.

The main backbone of the department consists of a team of highly qualified and experienced faculty members. Our faculties are dedicated to assist the beginning engineers with the first-year experience. We always strive for excellence. Our policy is to polish our students with new trends, as it becomes easy for them to accommodate themselves anywhere across the industries, in today's globalized world.

Objectives

- To provide a basic foundation to students through fundamental subjects of Science & Engineering along with their practical applications.
- > To create a conducive environment for effective teaching learning process by providing academic guidance, counseling and mentoring.
- To inculcate communication skills, team work, leadership skills and a sense of social responsibility.



List of Toppers

Sem-II, 2019-20

- 1. VIDHIT KHAJURIA: 9.21 SGPA
- 2. OJUS PRAVIN JAISWAL: 9.5 SGPA
- 3. SAHU KAVITA SATYAWAN: 9.34 SGPA
- 4. AARYAN JOSHI: 9.27 SGPA
- 5. PRATEEK SINGH: 9.27 SGPA
- 6. WAKXE RAHUL ANIL: 9.25 SGPA

Sem-I, 2020-21

- 1. AADESH DINKAR GUPTA: 10 SGPA2. SHRUTIKA NITIN DHOKANE: 10 SGPA
- 3. NIKITA SANJAY BIRAJDAR : 10 SGPA
- 4. HRITIK RAJ ARYA : 10 SGPA
- 5. YASH PANKAJ MAHAJAN : 10 SGPA
- 6. SANDESH DAGDU SHEJWAL : 10 SGPA

Faculty Achievements

Publications by Faculties	:01
FDPs attended by Faculties	:01
Workshop attended by Faculties	:06
STTP Attended	:03
Webinars Attended by Faculties	:01
Number Books Published	:05

e-Student Induction Programme



Inauguration and Sarasvati Stavan

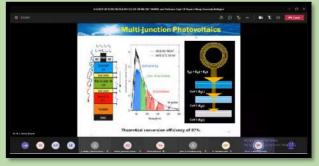


Online Yoga Session



Session on Designing Destiny through Proper Management of Thoughts. Session on Speed Reading and Memory.

Guest Lecture



Solar cell and its applications by Dr. Nilesh Tarwal.

Parent Teacher Meeting



PTM Conducted on 20/03/2021 and 11/06/2021.

Social Awareness



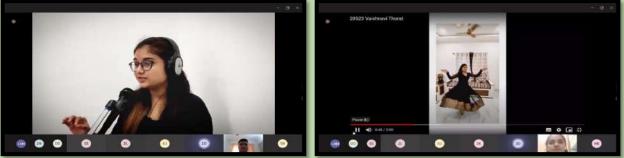
Online Yoga Session



Tree Plantation

Curricular & Co-Curricular Activities:





Singing Competition

Dancing Competition



Instrument Playing Competition

Skit Competition

Students Achievements

- 1. 4th National Engineering Olympiad : 04
- 2. Coursera Certification : 21
- 3. Udemy Cerification : 05
- 4. Other : 07



Coursera Certification

4th National Engineering Olympiad

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Mr. Sudhir Narale Departmental News wire Coordinator

Comstro

Mrs. Kavita Joshi HoD, FE

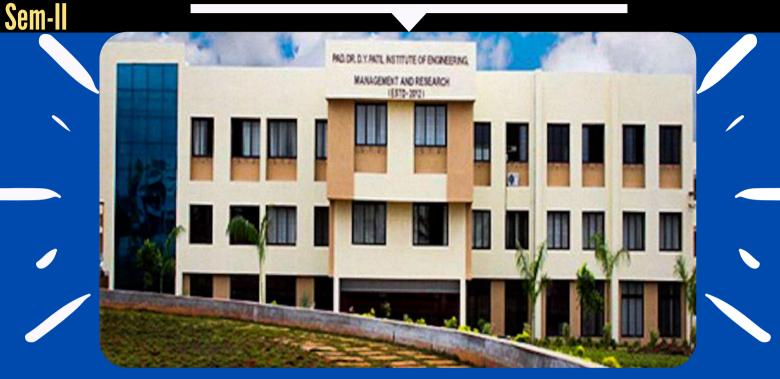


DR. D.Y. PATIL PRATISTHAN'S Dr. D. Y. Patil Institute of Engineering, Management

<u>and Research, Akurdi</u>

<u>A.Y</u> 2020–2021

ELECTRONEWS



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Workshops Activities Clubs of department Project details Guest Lectures Quiz Competition Publication Details Training and internships Project Details ICT Activities Faculty Orientation Workshops Patent Details MOUS Placement Details Toppers

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The Electronics & Telecommunication Department is established in the Year 2013 to meet the needs of increasing demands of E&TC and Embedded Technologies & VLSI. The department is having highly qualified, experienced & dedicated staff along with State of Art Infrastructure & well equipped Labs. The teaching learning process is made Student centric using the latest technologies. The academics go hand in hand with Guest Lectures by Eminent Personalities from the Industry, Alumni students, & Subject Experts from Pune University. The theory is well explained with the help of practical & Industrial Visits to various Industries.

INSTITUTE VISION

To strive for excellence by providing quality technical education & facilitate research for the welfare of society.

MISSION

1. To educate students with strong fundamentals by providing conducive environment.

2. To inculcate research with creativity & innovation.

3. To promote industry-institute collaboration & prepare students for life long learning in context of technological change.

4. To strengthen leadership, team-work, professional & communication skills and ethical standards

HOD MESSAGE

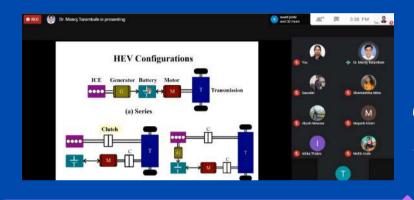
We are pleased to share the news through this newsletter in the Department of E&TC over the past few months. This newsletter records all the activities of department for one semester .We as a whole will strive to enhance our technical leadership in key areas and to build up strategic research areas viz., robotics, Artificial Intelligence and Machine learning. In terms of academic modules, we will continue to enhance and adapt our curriculum to cope with the rapid advances and development in technology in order for our graduates to be ready "to take on the world".My profound thanks to the editor and team of this newsletter for their initiative and interest in publishing it. I look forward to the support of our students, colleagues, and alumni, to work together to take our department to the next level! More importantly, I hope this will be a department we will all take pride in!

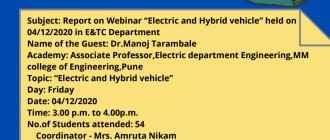
FACULTY CO-ORDINATOR MRS. NEHA TIWARI (ASST. PROF, ENTC)

ELECTRONEWS

EDITOR'S SHANTANU D GAURAV B SHARMISHTHA M

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How Well Do They Pay ?

Event was conducted by	
Mr. Santhosh Sir regarding GATE preparati	ons.

Guest Lecture on the OOPs concept by Miss Sourabhi Desai Alumni of DYPIEMR.

M.Tech in Top new IITs M.Tech in other IITs and NITs

> Direct PhD in Top Col Foreign University –

IRF& Other Colleges



WEBINAR'S



The session was organized by IEEE student branch of E&TC department on 29th June, 2020 at 11am. The session was conducted by Dr. Sudipta Roy, Holistic Homeopath, Wellness adviser, Medical researcher, MD-Powell group of companies

Project Competition was conducted for all TE and BE students from 05/06/2020 to 10/06/2020 in DYPIEMR (Online Platform) under IEEE activity. This program was conducted for all colleges. Total 93 students registered for this competition. External college faculties were called as judge for this event. 3 Winners were declared from TE and BE groups. Certificates were distributed to all the participants.





Webinar conducted on "How Pranic healing helps in study and day to day life" for SE ,TE and BE students on 17/06/20.The objective of webinar to make students stress free during lockdown.It was conducted by Ms..Roshni Hande (Counsellor &Pranic Healing Instructor).

BEST ACTIVITIES

Webinar on "Quadcopter Basics & Applications"





Webinar on "Industrial Robotics & Low-cost automation solutions"

Webinar on "Computational Electromagnetics Techniques using Altair FEKO + Win prop"





Social Activity Conducted in Nachiket Balagram by showing Video on "Safety Measures during COVID-19"

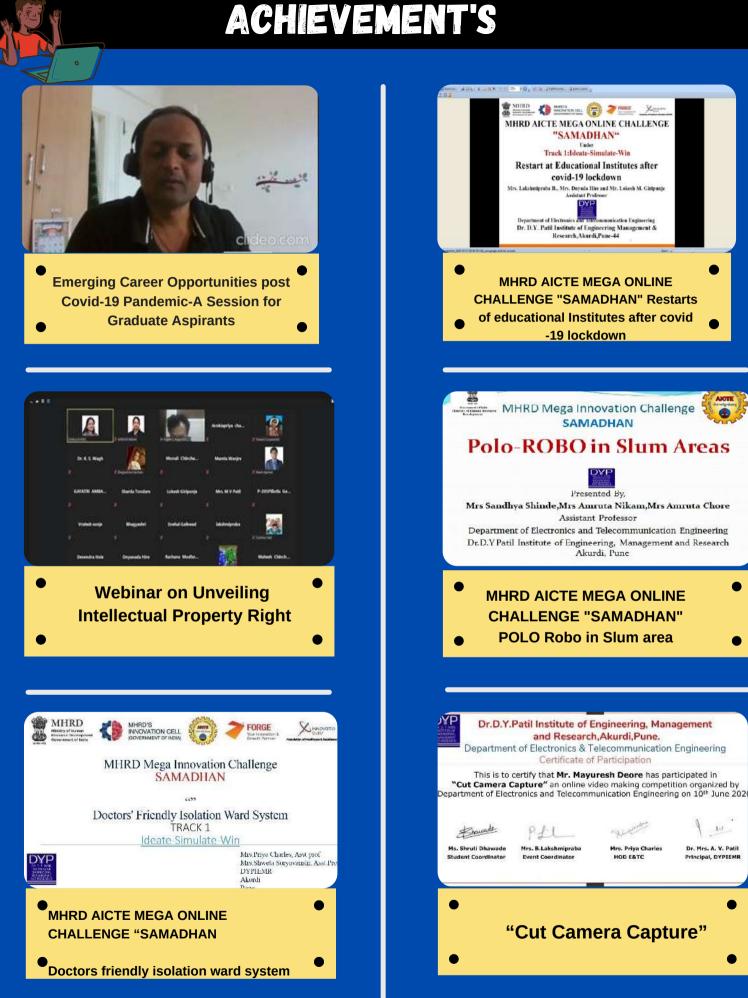
Making and distribution of Safety Face Mask to the needy.











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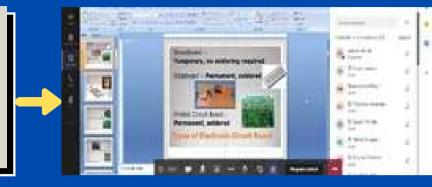
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FACULTY CO-ORDINATOR MRS. NEHA TIWARI (ASST. PROF, ENTC)

ELECTRONEWS

EDITOR'S SHANTANU D GAURAV B SHARMISHTHA M

The Online Workshop on "PCB Designing" was organized by Electronics and telecommunication Engineering from 23/6/2020 to 24/6/2020. **Speaker-** Mr. Vipin Vibhute Co- Ordinator - Mrs. Amruta Nikam



Date	Department	Company
June 2019 till discontinuation	Electronics and telecommunication	Qualden Technologies Pvt.Ltd
June 2019 till discontinuation	Electronics and telecommunication	Automation Al InfosystemPvt.Ltd
15/05/19 to till discontinuation.	Electronics and telecommunication	Myraa Technologies
18/03/19 to till discontinuation.	Electronics and telecommunication	Smart Logic Technologies
03/05/2019 to 03/04/2024.	Electronics and telecommunication	Mahalaxmi Recyclers Pvt.Ltd.Kolhapur
03/05/2019 to till discontinuation.	Electronics and telecommunication	IndEyes Infotech Pvt Ltd.
03/05/2019 to till discontinuation.	Electronics and telecommunication	Ace the power of Five final year students sponsorship
03/02/2019 to till discontinuation.	Electronics and telecommunication	Technofield Solutions
23/02/19 to till discontinuation.	Electronics and telecommunication	PMS Robotics Research Centre
07/09/2018 to 7/08/2020.	Electronics and telecommunication	e-Maestro Academy



LIST OF MOUS AND LACTIVITIES CONDUCTED

Sr.No	Name of Faculty Member	Title of Paper	Name of Conference	National / International	Organizing Institute	Venue	Duration
1.	Mrs Sandhya Shinde	Classification Of Hyperspectral Images With Various Spatial Features	4th INTERNATIONAL CONFERENCE ON SMART COMPUTING AND INFORMATICS (SCI-2020)	International	Department of Computer Science and Engineering Vasavi College of Engineering (Autonomous), Hyderabad, India.	Online	9th- 10th October, 2020
2.	Mrs. D. N. Hire	Content Based Image Retrieval with Geometric Transformations-A review	ICIIIST-2020	International	SKNCOE	Online	12th May 2020

CONFERENCE PUBLICATIONS

INTERACTION WITH OUTSIDE WORLD:

Mrs Sandhya Shinde worked as a Paper Setter M.E. (Electronics) 2017 Course Paper-Image Processing and Computer Vision (504109), M.E. Electronics (Digital Systems) 2017 Course (SPPU)

ELECTRONEWS

Training and Placement

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The Companies Visited To Institute In the Year 2020-2021 are Capgemini,Birlasoft,Ubiso ft,Mindtree,TCS,Neeyamo, Jaro Education,Centium Consulting

Sr.No	Student's Name	Company Name	Package in LPA
1	Saurav Paul	Virtusa Corporation	4
2	Abhishek Kisan Jadhav	Capgemini	3.8
3	Shruti Pravin Dhawade	Capgemini	3.8
4	Sanket Sanjay Kale	Capgemini	3.8
5	Ekta Prasad	Capgemini	3.8
6	Mohit Anand	Capgemini	3.8
7	Aniket sagar	Capgemini	3.8
8	Sidhant Kulkarni	Capgemini	3.6
9	Aditi Sinha	Birlasoft	3.6
10	Amol Tamgole	Birlasoft	3.6
11	Arpita Patra	Birlasoft	3.6
12	Nilesh Yadav	Birlasoft	3.6
13	Sneha Thorat	Birlasoft	3.6
14	Deepti Tiwari	Jaro Education	6.5
15	Chaitnya Harde	Jaro Education	6.5
16	Deepti Tiwari	Mindtree	2.97
17	Tejas Sonar	Mindtree	2.97
18	Monika Bhat	Ubisoft	2.61
19	Rashmi Gupta	Ubisoft	2.61
20	Tejas Sonar	TCS	3.25
21	Saurav Paul	EPAM	6
22	Kalyani Mate	Neeyamo	2.3
23	Siddhant Pathak	Centium Consulting	3.6

Ο



Mr. Saurabh Paul Virtusa Corporation



Ms. Deepti Tiwari Jaro Education



Mr.Tejas Sonar Mindtree



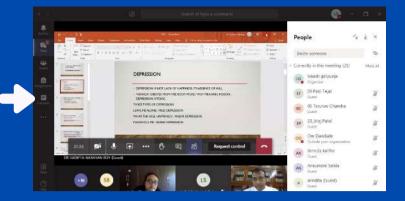
Ms.Aditi Sinha Birla Soft



Mr.Abhishek Jadhav Capgemini

ELECTRONEWS

EVENT NAME : MONTHLY MEETING OF IEEE MEMBERS Date of Conduction : 13/7/2020 Brief Description : IEEE student branch of DYPIEMR, Akurdi, Pune organised monthly meeting for review of previous events & planning of upcoming events Co-Ordinator - Mrs. D.N. Hire.



DR. D. Y. PATIL INSTITUTE OF ENGINEERING, MANAGEMENT & RESEARCH, AKURDI, PUNE

IEEE Student Branch Presents

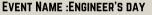
VADVIVAD- THE DEBATE

Topic: Formulation of National Education Policy

> Date: 29th Aug, 2020 Time:10:30am



EVENT NAME :TEACHER'S DAY Date of Conduction : 7/9/2020 Brief Description : IEEE student branch of Electronics & Telecommunication Engineering department of Dr. D. Y. Patil Institute of Engineering, Management & Research, Akurdi, Pune organized Teacher's day on 07/09/2020 at 11:00am on online plaform. Students showed their skills of dancing, singing & made the day special for all faculties of E&TC department. Cordinator- Mrs D.N.Hire



Date of Conduction : 15/9/2020

Brief Description : IEEE Student branch of E&TC department of DYPIEMR organized technical quiz competition "Quiztopher-2020" on occasioan of Engineer's day on 15th Sept., 2020. Quiz conductedon kahoot in three rounds as general knowledge, aptitutde, code electro. Winner & runner up awarded with cash prizes.

Co-ordinator - Mrs.D.N. Hire



What can be avoided?



zoon

Switch off-appliances when not in use, even for a minute
Stop using appliances

Stop using refrigerator \rightarrow most people in rural areas have cows/buffalo, but no refrigerator, not good for health EVENT NAME :POSTER COMPETITION "PRAKALP 2020" Date of Conduction :12/11/2020 to 24/11/2020 Brief Description : For mapping of PO6, PO7 and PO11 poster making competition was organized for TE students. Total 20 poster received. Students made the poster depending on following criteria. i. Ability to identify the problem ii.Assess the problem

iii.Apply the Engineering solution Co-Ordinator - Mrs. D.N. Hire



DR DY PATIL PRATISTHAN'S Dr. D. Y. Patil Institute of Engineering, Management& Research, Akurdi, Pune



Vision

To impart quality education to produce Competent Chemical Engineers

Mission

- 1. To create an effective atmosphere for academic excellence
- 2. Impart quality education in basic and applied areas of Chemical Engineering
- 3. Enable students to explore knowledge through creative learning by industry institution collaboration
- 4. Inculcate values of leadership, teamwork and ethics

About Department

It is a great pleasure to welcome you to the Department of Chemical Engineering at Dr. D Y Patil Institute of Engineering and Management and Research. The Department of Chemical Engineering was started in the year 2012 with an intake of 60 students. The Chemical Engineering Department is proud to have a team of energetic and hardworking staff and we are blessed to have among the finest and talented students admitted into our department recognized for high-quality academic programmes and excellence of its motivated faculty. We are committed to give our students an environment where they can develop critical thinking and problem-solving skills as they advance through the programme. In addition to classroom teaching, the students are guided and motivated to practically implement the principles learnt in classrooms through experimentations in the laboratories, which help students gain confidence and become skilled engineering professionals.

Faculty Development Programme Attended /Workshop/Seminar

	No. of Publications
Name of Faculty	National & International
Dr.Shailesh Ghodke	12
Dr.Utkrash Maheshwari	15
Mr.D.P.Deshande	8
Mrs.Kirti B Zare	7
Mrs.S.S.Patil	6
Mr.Pankaj Vardhe	5
Mr.Ramansingh Thakur	4

Online Industrial visits /Tours

Dr. D. Y. Patil Institute of Engineering, Management & Research, Akurdi, Pune – 44 Department Of Chemical Engineering

Organized Online Industrial Visit for Third Year Chemical at Pune Techtrol on 5 March 2021





Gas uptake measurements for studying H₂ storage, methane storage, CO₂ capture: EOS based calculations Rajnish Kumar Chemical Regenering (ITT Matrix)

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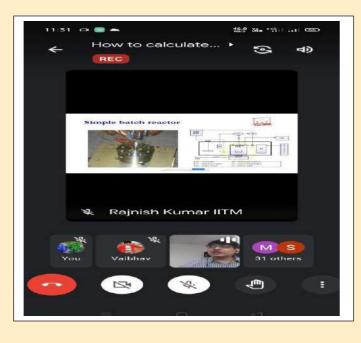
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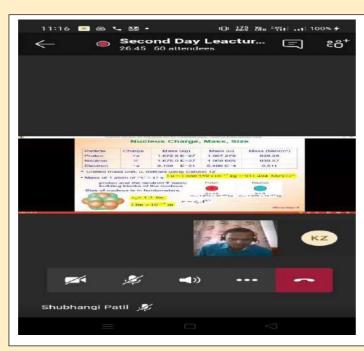
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36 others

8







Session speakers:

- 1. Dr. Rajnish Kumar, IIT Madras
- 2. Mr. Pravin Bagal, ONGC, Gujarat
- 3. Dr. Suyog Taralkar, ADCT, Sagali
- 4. Dr. Satishchandra Satpute, VIT, Pune



