	Dr D Y Patil Pratishthan's Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune	DI No.: ACAD/DI/41
Academic Year: 2022-23	NEWSWIRE – VOLUME I–AY 2022-23	Revision : 00 Dated : 20/11/2019
Term – I	Department : Mechanical Engineering	Date of Preparation : 15/08/2022



MECHANICAL TECHNICAL MAGAZINE

Edition: X

July 2022



Department of Mechanical engineering

Dr. D. Y. Patil institute of engineering,
Management & research, Akurdi

Department of Mechanical engineering



- ❖ To impart quality education and to enhance students' skills to make them ready for their professional career.
- ❖ To provide an education that builds within students a solid foundation in mechanical engineering principles with creativity and innovation.
- ❖ To develop linkages with other educational institutes and industries.
- ❖ To encourage students to become entrepreneurs and inculcate professional ethical practices by providing them with necessary inputs.

- ❖ To be among the top colleges who produces competent mechanical engineers.



Program Educational Objectives

PEO 1

Graduates will design, analyses and develop engineering solutions that meet the needs of various industries

PEO 2

Graduates will continue their education in engineering an interdisciplinary areas to emerge as experts, educators, entrepreneurs and researchers

PEO3

Graduates will work effectively as a part of teams on multidisciplinary projects.

PEO4

Graduates will exhibit strong leadership, inter-personal and communication skills with concern for society and environment

Message from HOD's Desk



The department of Mechanical engineering being one of the oldest and the finest departments of the college is having learned and experienced faculty, who with their rich experience in academic and industry are able to enlighten the students about the latest trends and practical aspects of engineering. The department has very good academic excellence and has continuously produced the finest set of vibrant and proactive engineers.

The department offers four years Degree course in Mechanical Engineering, the syllabus of which has been recently upgraded to meet the industries need for up-to-date technical knowledge, managerial skills, and exposure to Quality management and computers. The department has excellent facilities for the students to enhance their skills in various fields of mechanical engineering. Our engineers are waiting for an opportunity to prove their mettle at work place that is equipped with their hard-earned degrees.

Dr. Ganesh K Jadhav
Head of the department

Student Development and Welfare

Students Association

Mechanical Engineering Students Association (MESA) is an organization which comprises of Mechanical Engineering program. The aim of the organization is to motivate the students to organize, to coordinate & to participate in Co-curricular activities and Extra Curricular activities along with their regular activities

EVENTS ORGANIZED WITH PHOTOS

Event Name: Awareness Session

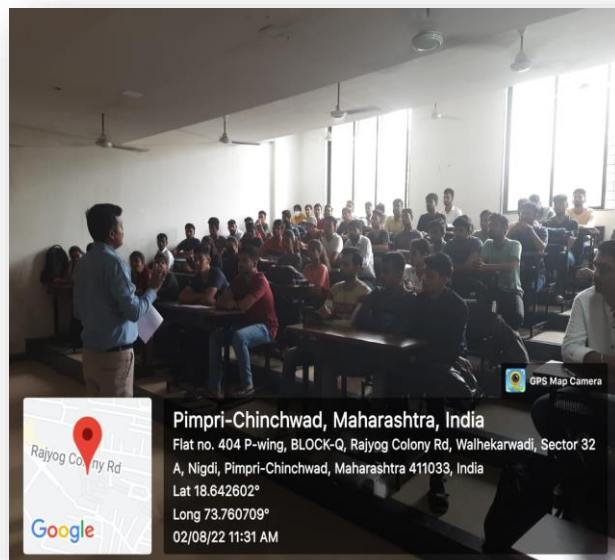
Date of Conduction: 02/08/2022

Brief Description: Awareness Session for 3 D PRINTING CLUB covered the following technical insights

- ✓ 3D printing or additive manufacturing is a process of making three dimensional solid objects from a digital file.
- ✓ The creation of a 3D printed object is achieved using additive processes. In an additive process an object is created by laying down successive layers of material until the object is created. Each of these layers can be seen as a thinly sliced cross-section of the object.
- ✓ 3D printing is the opposite of subtractive manufacturing which is cutting out / hollowing out a piece of metal or plastic with for instance a milling machine.



During session



Interaction with student

Event Name: Krishi Mitra Club Awareness

Date of Conduction: 02/08/2022

Brief Description: Awareness session on Krishi Mitra Club for Mechanical Engineering Students



Event Name: Dassault Systems Resource Persons

Date of Conduction: 28/07/2022

Brief Description: Virtual Interaction with Dassault Systems Resource Persons by Department of Mechanical Engineering regarding the implementation of the design software in the curriculum.

- ✓ Dassault Systems is a multinational software company that specializes in 3D design and product lifecycle management (PLM) software.
- ✓ The company is best known for its flagship products CATIA and SolidWorks



Virtual Interaction



During Interaction

CAREER GUIDANCE (FOR STUDENTS)

Event Name: Career Guidance Session

Date of Conduction: 10/08/2022

Brief Description: Career Guidance Session for TE Mechanical Engineering students by Career Labs powered by BYJU'S! Briefed the section with following some of the points

- ✓ Mechanical engineers are like the backbone of every industry. They deal with designing, developing, and augmenting the efficiency of every tool and machine.
- ✓ Their role is heavily dependent on converting the theoretical representation of a machine into its practical usage.
- ✓ They are usually specialised in designing, production, analysis, and testing, installation, maintenance, and structural engineering.



Conversion with students



Briefing the section

Event Name: Motivation and Awareness on different avenues in Indian Navy

Date of Conduction: 08/08/2022

Brief Description: Career Guidance Session on “Motivation and Awareness on different avenues in Indian Navy” for Third year and Final year engineering students of DYPIEMR, Akurdi. The following are some points covered during the session.

- ✓ The Indian Navy is organized into three different commands for all three sides of water surrounding our Indian peninsula. Each of these commands is headed by Commanding-in-chief Flag Officer who has a rank of Vice Admiral.
- ✓ The **Western Command** – It is headquartered at **Mumbai** in the state of Maharashtra. It covers the areas of whole western flank of Indian waters on the western side. In any event of conflict with Pakistan, the western command is bound to respond to it.
- ✓ The **Southern Command** – It is headquartered at **Kochi** in Kerala. It also has the Flag Officer Sea Training.
- ✓ The **Eastern Command** – It is headquartered at **Vishakapatnam** in Andhra Pradesh. Vishakhapatnam is the only natural harbour of India.

Resource Person: Lt. Cdr. Sumit Yadav, Lt. Cdr. Kamath and SLt. Nikita Gore



Group photo



Facilitation

Event Name: How to start preparation for UPSC and MPSC

Date of Conduction: 18/08/2022

Brief Description: Career Guidance Session conducted on 18th August 2022 for Third year and Final year Mechanical Engineering Students on "How to start preparation for UPSC and MPSC" by Director of Infinity Academy at DYPIEMR, Akurdi.

- ✓ Current Affairs preparation is important – Get Current Affairs here.
- ✓ NCERT books are an essential resource – Get the complete list of NCERT Books here
- ✓ Standard reference books such as Laxmikant's Polity, Bipin Chandra for History etc.
- ✓ Answer writing practice and going through previous years' MPSC question papers

Resource Person: Mr. Girish Khedekar, Director of Infinity Academy



During talk



Speaker During Talk

Event Name: Awareness session of ENERGYMATE - Energy Management System PCS 721 for Chillers, Cold rooms and Aircon Monitoring & Control Systems

Date of Conduction: 23/08/2022

Brief Description: Awareness session of ENERGYMATE - Energy Management System PCS 721 for Chillers, Cold rooms and Aircon Monitoring & Control Systems for third year Mechanical Engineering Students conducted on 23rd August 2022 in Dnyanprasad Sabhagriha. The some of the highlighted points of this session are listed below.

- ✓ Optimise process heat exchange
- ✓ Maintain heat exchanger surfaces
- ✓ Multi-staging systems
- ✓ Matching capacity to system load



Facilitation



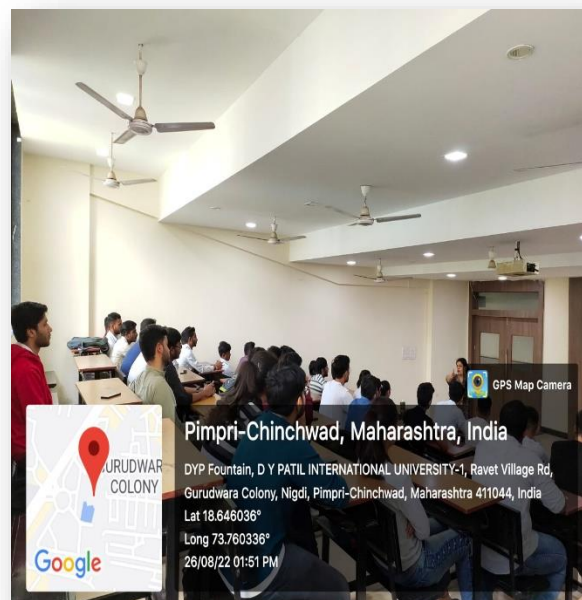
Speaker During Talk

Event Name: Group Discussion Session for BE Mechanical Students

Date of Conduction: 26/08/2022

Brief Description: Group Discussion Session for BE Mechanical Students organized by Mechanical Engineering T&P, on 26th August 2022, delivered by ICFAI, Pune.

- ✓ The Group Discussion, commonly referred to as GD, is a crucial elimination round in an interview process that candidates need to be a part of after clearing their aptitude test or the written exam.
- ✓ A vital component in any screening process, GD involves the participation of a group of people who are asked to debate and discuss different aspects of a topic given by the interviewers.
- ✓ Regardless of whether you are looking at getting into a top-notch college or applying for a job, the group discussion round is something that you will have to face in order to get one step closer to realizing your dream.



Speaker During Talk

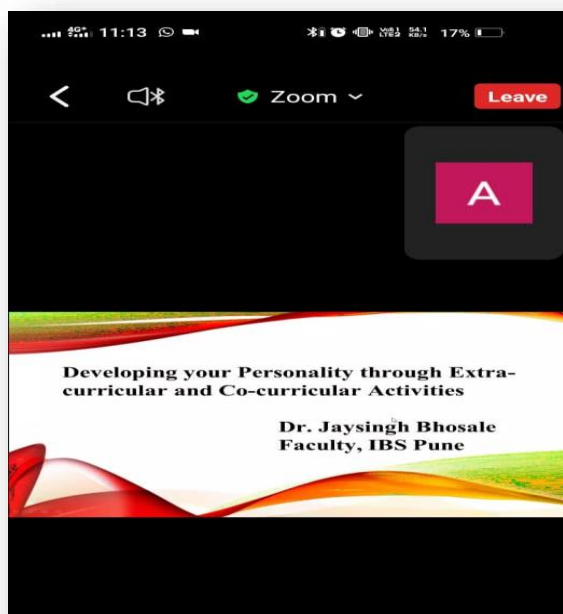
Event Name: Personality development

Date of Conduction: 27/08/2022

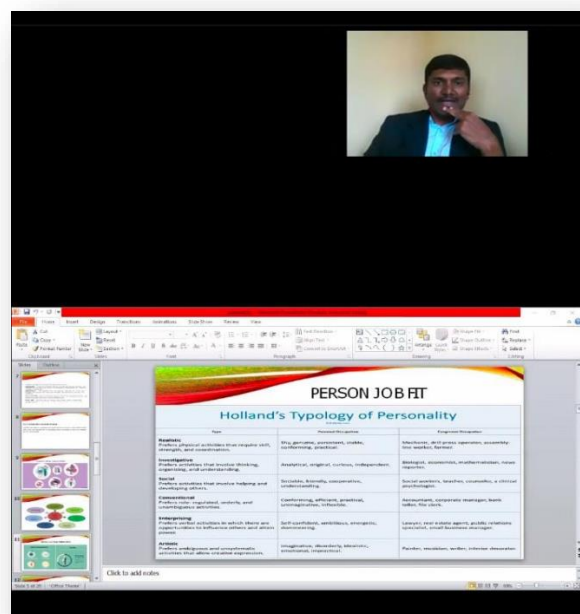
Brief Description: Webinar for SE and TE students on Developing Personality through Extra-curricular and Co-curricular activities by IBS, Pune on 27th August 2022.

- ✓ Studies show that self-compassion brings positive traits like optimism, extroversion, wisdom, happiness, positivity and resilience. According to Emma Seppala, research psychologist at Stanford University, self-compassion involves three steps:
- ✓ Recognize that you deserve care and concern like anyone else and that is why you must be kind and understanding with yourself.
- ✓ Recognize that making mistakes and failing is part of life.
- ✓ Be aware of one's emotions and feelings. Contrary to popular belief, self-compassion does not mean letting yourself off the hook.

Resource Person: Dr Jaysingh Bhosale



Poster



Speaker During Talk

STUDENTS ACHIEVEMENTS

Name of the Activity: 9th Students Olympic National Games 2022-23 on 25/07/2022 to 29/07/2022 got First Prize Gold Medal
Organizing Body: Students Olympic Association, India



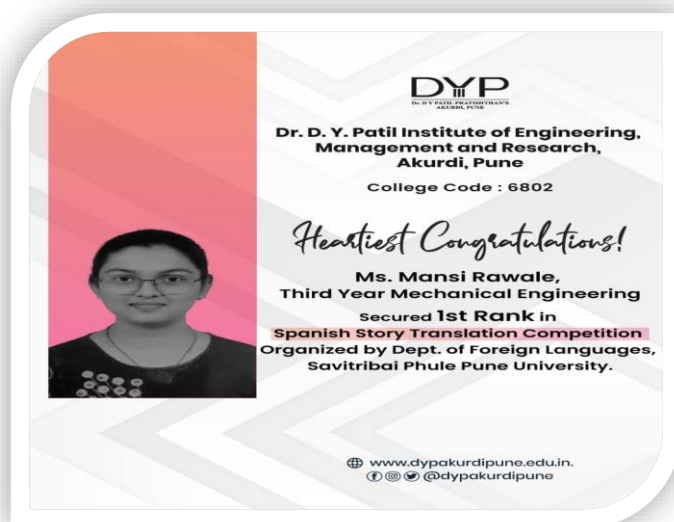
Name of the Activity: Kathmandu Nepal International Yoga Competition got First Prize Gold Medal
Organizing Body: Yoga Physique Federation of India



Name of the Activity Selected in
BARC (Shubham Shinde)
Organizing Body: BARC(
Bhabha Atomic Research Centre),
Admitted Through GATE
Examination



Name of the Activity Diploma
Course in SPANISH (Manasi
Rawale) Stood First in a previous
Spanish Translation Competition
by SPPU
Organizing Body: SPPU



TECHNICAL EVENTS

Team Genesis 16, representing DYPIEMR Akurdi, is participating in SUPRA SAEINDIA, India's biggest formula student competition organised by the Society of Automotive Engineers India (SAE India).

The event is scheduled from August 22nd to August 25th, 2022 at Buddh International Circuit, Greater Noida, and New Delhi.

- ✓ Event Name: SUPRA SAEINDIA
- ✓ Day, Date, Year: 22-25th August 2022

The event helps students to apply the knowledge they learn in the classroom and compete with teams from all over India.

Students from the Mechanical Engineering Department have designed and manufactured a formula category vehicle. The team will depart for competition on August 20th, 2022.

Recently, the vehicle was unveiled at the hands of Dr Neeraj Vyavahare, Campus Director, DYPEC, and Akurdi. Principal Dr. Anupama Patil appreciated the efforts of the students.



Designed vehicle



Team member with guides

Performance and Testing Videos of our Team Genesis 16 , Mechanical Department, Dypiemr Akurdi, successfully participated in SAE INDIA SUPRA 2022 in Buddha International Circuit, Grater Nodia, New Delhi from 22nd August to 25th August 2022. Best Clean Pit Awarded for the team. Congratulations to the team.



Best Clean Pit Award

Event Name : Drushti "CAD battle event
Day, Date, Year: 30 August 2022

Mechanical Engineering Department has organized "Drushti "CAD battle event in collaboration with Apollo Institute on 30th August 2022.

Winners of the Event-

1st Prize-Rahul Chaudhari

2nd Prize-Rohan Phaphale

3rd Prize- Ashish Deshmukh



Prize distribution



Participants with event organizer

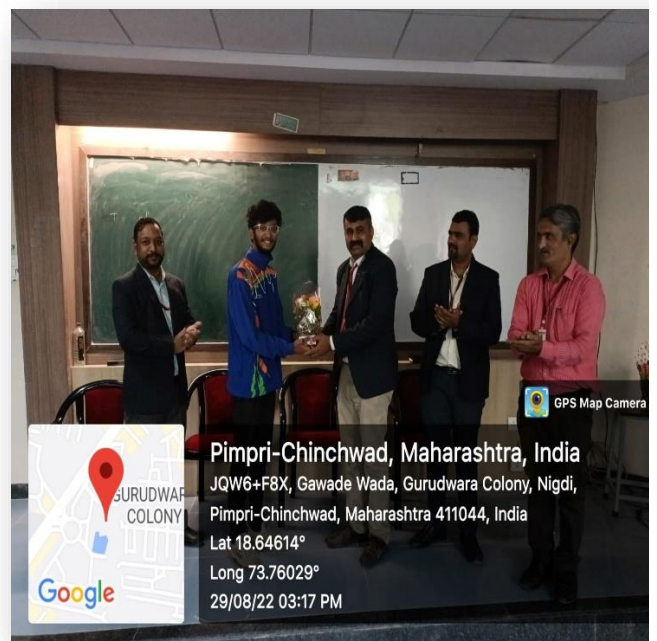
Social Concern/ activities

Mechanical Engineering Department celebrated National Sports day, on the eve of the birth anniversary of Padma Bhushan Major Dhyhan Chand.

The chief guest for the event is Mr. Raosaheb Bapurao Shid (Team India Coach for Belt wrestling, Uzbekistan, 2022). The celebrations took place on 29th August 2022



Facilitation



Prize distribution