

E-Newsletter of Department of Mechanical Engineering (Vol. 5 : Issue-10)

MET BKC IOT-P, Nashik organized a Training on “**Emergency Disaster Response with Fire Safety Mock Drill**” For Diploma Students of MET’s Institute of Technology-Polytechnic, Nashik on Friday, 19th January 2024 (10.00 am onwards) organised by Mark Martial Arts Nashik , Council for Life-saving and Disaster Response in association with NCS and Nehru Yuva Kendra Nashik. (AY 2023-24)

Objective of Program:

A fire mock drill is a simulated exercise designed to practice and evaluates the response of individuals and organizations in the event of a fire emergency. It helps test evacuation procedures and the effectiveness of emergency response plans. Mock drills simulate real-life scenarios, allowing students, staff and faculty to practice their response in a controlled environment. Keeping all these important aspects in view, MET’s Institute of Technology-Polytechnic, Nashik has organised a Training on “**Emergency Disaster Response with Fire Safety Mock Drill**” on Fri. 19th Jan. 2024 for students, staff and faculty of the Institute.

Resource Person: Mr. Mohammed Arif Khan, Founder & Managing Trustee, Mark Martial Arts Nashik

Benefitaries: Diploma Students of Institute and Staff.

Program Coordinators: Prof. G A Parbhane **Accompanied With:** All the HOD’s MET IOT-P Nashik

Mentor: Dr. R S Narkhede, Principal, MET IOT-P, Nashik.

Emergency Disaster Response with Fire Safety Mock Drill



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Bhujbal Knowledge City, MET's IOT-Polytechnic, Nashik

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Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit at “Sahyadri Farm, Nashik on 31st Jan. 2024. (AY 2023-24)

Objectives of Visit:

- [1] To relate the basic principles of Mechanical Engineering with recent technologies available in industry.
- [2] To learn about the initiatives taken by industry to innovatively use technology for the development of the Agro sector.

Coordinator of Visit: Prof. S B Mahale, Prof. S A Khan, Prof. V E Kothawade, Prof. J G Dhopte.

Benefitaries: TYME Students

Duration: 10.00 am onwards

Visit to Sahyadri Farm, Nashik



Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized Seminar on “Future Trends in Mechanical Engineering” in association with Access CADD, Nashik on 06 September 2023. (AY 2023-24)

Objectives of Seminar:

- [1] To focus on training your mind to increase its capacity for strategic thinking, innovative exploration, and knowledge advancement.
- [2] To impart practical skills, hands-on training, soft skills, etc. to enhance the employability of students.

Resource Person: Shri. Mayur S Wagh, Managing Director, CADD Centre, Nashik

Benefitaries: Diploma Students of Mech. Engg.

Program Coordinators: Prof. N O Warbhe **Chief Coordinator:** Prof. A P Vadnere, HOD-Mech. Engg.



Skill-Knowledge Enrichment Program

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Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit at “Jadhav Casting” and “Prakash Technoplast” Ambad MIDC, Nashik, on 27-28 Feb. 2024. (AY 2023-24)

Objectives of Visit:

- [1] To observe, know the types of patterns/ moulds used in Industry.
- [2] To observe and know the various types of pattern allowances.
- [3] To observe, understand and know the various types of casting.
- [4] To observe and know the Injection moulding process.

Coordinator of Visit: Mr. S A Khan, Mr. V B Kalmegh, Mr. V E Kothawade, Mr. S D Sonawane.

Benefitaries: FYME and SYME Students

Duration: 10.00 am onwards

Visit at “Jadhav Casting & Prakash Technoplast”**Seminar on Importance of Patents and Innovation in Capstone Projects**

Seminar on " **Student Counseling on Academic Career Planning**" Organised by Department of Mechanical Engineering, Diploma Students of Mechanical Engineering of MET's Institute of Technology- Polytechnic, Nashik on 09th Feb. 2024. (AY 2023-24).

Resource Person: Shri. V M Sawant, Head of Counseling Cell, MET BKC Nashik.

Program Coordinator: Prof. S A Mandore, Prof. V E Kothawade **Chief Coordinator:** Prof. A P Vadnere



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Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit to “Sewerage Water Treatment Plant (SWTP), NMC, Tapovan, Nashik” on 11th March 2024. (AY 2023-24)

Objectives of Visit:

- [1] To develop student awareness about environment.
- [2] To understand live environmental issues.
- [3] To inculcate lifelong environmental ethics.

Benefitaries: Second Year Diploma Students of Mech. Engg.

Coordinators: Mr. S A Mandore, Mr. S A Khan



Expert Talk on “Computer Integrated Manufacturing towards Industry 4.0” Organised by Department of Mechanical Engineering, MET's Institute of Technology-Polytechnic Nashik for Diploma Students of Mechanical Engineering on 23rd Feb. 2024. (AY 2023-24)

Objectives of Seminar

- [1] To understand and aware the Industry 4.0 framework.
- [2] To identify the definition and drivers of the Industry 4.0 paradigm.
- [3] To know potential effect, and determine obstacles of the Industry 4.0.

Resource Person: Dr. K A Jagtap, Sr. Lecturer, Dept. of Mech. Engg., Government Polytechnic, Nashik.

Coordinator of Visit: Prof. V E Kothawade

Chief Coordinator: Prof. A P Vadnere



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Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized a Study Visit at “Ujjwal Hyundai Autowheels Pvt. Ltd. Ambad MIDC, Nashik”, on 12th March 2024. (AY 2023-24)

Objectives of Visit:

- [1] To study the organization structure of Automobile Service Station.
- [2] To observe, identify and understand the various automobile systems.
- [3] To observe and understand the maintenance practices used in Automobile Service Station.
- [4] To observe and study the specialized tools, equipments used in Modern Automobile Service Station.

Visit Coordinators: Prof. S A Mandore, Prof. S A Khan, Prof. A P Vadnere, Prof. U S Kolhe.



Prof. A P Vadnere has participated in Two Day's National Level FDP on “**Review of Learning Outcomes of OBE Curriculum to Align with NEP-2020**” organised by Sanjivani K. B. P Polytechnic, Koparagaon, under the AICTE-Margadarshak initiative on 29-30 January 2024.

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Seminar on " **Emerging Trends in Automotive Industry**" Organised by Department of Mechanical Engineering, for Diploma Students of Mechanical Engineering of MET's Institute of Technology-Polytechnic, Nashik on 04th March 2024. (AY 2023-24).

Objectives of Workshop:

- [1] To understand, aware and explore the emerging trends of an automobile industry.
- [2] To know the potential of trends in automobile technologies and their features.

Coordinator: Prof. U S Kolhe, Prof. V E Kothawade **Chief Coordinator:** Prof. A P Vadnere, HOD-ME

Seminar on "Emerging Trends in Automotive Industry"

Prof. V B Kalmegh, Prof. K G Deshpande and Prof. A B Deore has participated in One Week National Level Online FDP on "**Additive Manufacturing Technology**" organised by Sandip University, Nashik from 04 to 09 March 2024.

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Seminar on “**Advanced CADD Modelling for Manufacturing**” For Second Year Diploma Students of Mechanical Engineering organised by Department of Mechanical Engineering, MET's Institute of Technology-Polytechnic, Nashik on 06th March 2024. (AY 2023-24)

Objectives of Workshop

- [1] To introduce the advanced CAD techniques in the conceptual design and manufacture.
- [2] To aware the students to acquire a set of skills to enhance their employability prospect in this demanding area.

Resource Person: Dr. Satish Maniyar, Founder-CEO, Technocad, Nashik



Prof. V B Kalmegh, has participated in 2 Days Online State level FDP on “**Green Energy for Sustainable energy development**” organised by Vikhe Patil Polytechnic, Loni, from 12 to 13 March 2024.

Prof. K G Deshpande, has participated in 1 Week Online ISTE FDP on “**Industry 5.0: A Paradigm shift towards circular economy**” organised by Nanasaheb Mahadik COE, Peth, from 19 to 24 Feb. 2024.

Prof. N O Warbe, has participated in 3 Days FDP on “**AI Tools for Teaching & Learning**” organised by Dept. of Computer Engg., MET BKC IOT-P, Nashik from 26 to 28 Mar. 2024.

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Two Days Hands on Training on “**Robotics and Automation**” Organized by Department of Mechanical Engineering, MET BKC IOT-P, Nashik for Third Year Diploma Students of Mechanical Engineering in association with Department of Robotics and Automation, MET IOT-B.Tech, Nashik 2023. (AY 2023-24)

Objectives:

- [1] To motivate students for exploring the potential areas in the field of Automation and Robotics.
- [2] To familiarize and aware them with an emerging technology in the field of AR.
- [3] To give more opportunities and platform to showcase themselves.

Resource Person: Prof. V R Kale, HOD-RA, B.Tech, Prof. S S Shelkar, Prof. A H Karwande, Asst. Prof.

Coordinator: Prof. N O Warbhe

Chief Coordinator: Prof. A P Vadnere



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One Day One Days Hands on Training on “PLC Softwares” Organized by Department of Mechanical Engineering, MET BKC IOT-P, Nashik for Second Year Diploma Students of Mechanical Engineering in association with Autotech Nashik on 20th March 2023 (AY 2023-24)

Objectives of the FDP:

- [1] To understand the fundamental facts, principle and applications of PLC systems and software's
- [2] To motivate students for exploring the potential areas in the field of PLC Automation.
- [3] To adapt an interdisciplinary approach of engineering while working on shop floor/industry through hand on training.

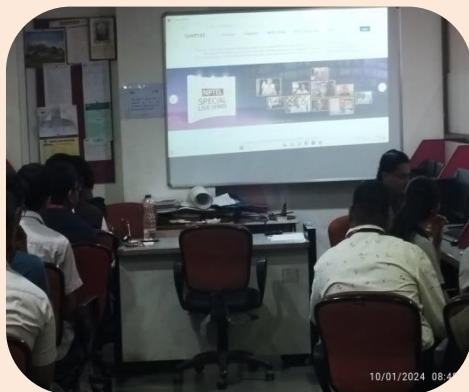


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Awareness Session on NPTEL-Swayam, Massive Online Open Courses (MOOCS) and E Learning Resources available on E-Kumbh portal Organised by Department of Mechanical Engineering on 10th January 2024 for the Diploma Students of Mechanical Engineering. (AY 2023-24)

Objectives of E-Quiz:

The National Education policy (NEP) was launched by the Ministry of Education Government of India in the year 2020. The major emphasis of NEP-2020 is to impart education in mother tongue so as to enhance the creativity, critical thinking among the students. In alignment with the above provisions of National Education Policy (NEP) 2020, All India Council for Technical Education (AICTE) has initiated Technical Book writing scheme initially in a 09 languages viz Hindi, Tamil, Gujarati, Kannada, Marathi, Bengali, Telugu, Punjabi, Odia. Subsequently, 03 more languages Assamese, Malayalam & Urdu are added in it. National Programme on Technology Enhanced Learning (NPTEL) is a project of MHRD initiated by seven Indian Institutes of Technology (Bombay, Delhi, Kanpur, Kharagpur, Madras, Guwahati and Roorkee) along with the Indian Institute of Science, Bangalore in 2003, to provide quality education to anyone interested in learning from the IITs. The main goal was to create web and video courses in all major branches of engineering and physical sciences at the undergraduate and postgraduate levels and management courses at the postgraduate level. With the above initiatives, the major objective of the E-Kumbh and NPTEL is to provide high-quality education to students and professionals who may not have access to traditional classroom settings. The courses cover a wide range of topics in engineering and science, including computer science, electrical engineering, mechanical engineering, and more. Our teaching faculty makes use of this facility and also makes students aware of it to enhance self learning and life-long learning abilities through such awareness programme.



Conducted by: Prof. A P Vadnere, Prof. S A Mandore, Prof. N O Warbhe

Hearty Congratulations

Prof. V E Kothawade, Lecturer in Mechanical Engineering, MET Institute of Technology-Polytechnic Nashik has successfully acquired a *Design Patent on "Sprinkler"*. We wish him congratulation and better luck for future endeavor.

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Glimpses of Workshop on 'Entrepreneurship and Training for Soft Skills for Third Year Female Students' Organised by Department of Computer Engineering in association with TNS, Pune and Institute EDP Cell, Nashik (Duration: 25/09/2023 to 09/10/2023) (AY 2023-24)



S.N.	Name of Female participated	Class & Year
1	Sanap Dhanashri Pralahad	TYME

Social Film Show for Students and Staff of MET Bhujbal Knowledge City Campus organised by MET Trust during 13-17 January 2024 at Cinemax, Collage Road, Nashik

On January 13, 2024, at Cinemax College Road, Nashik, Dr. Shefali Bhujbal, Chief Administrator and Mentor of MET Bhujbal Knowledge City, Nashik inaugurated and honored the screening of "Satyashodhak," a captivating film depicting the lives of Krantijyoti Mahatma Phule and Savitribai Phule. The free show had organized by the MET Trust for MET students and staff during January 13–17, 2024. "SATYASHODHAK" delves into the profound impact of Mahatma Jyotirao Phule and his wife, Savitri Jyotiba Phule, shedding light on their tireless dedication to social reform. Sandeep Kulkarni's portrayal of Mahatma Jyotirao Phule and Rajarshi Deshpande compelling performances as Savitri add depth to the narrative.



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मराठी भाषा संवर्धन व जागृती प्रश्नमंजुषा

मराठी भाषा, साहित्य, संस्कृती आणि कला यांना एक दीर्घ परंपरा व स्वतंत्र ओळख आहे. महाराष्ट्र शासनाच्या मराठी भाषेचा प्रचार व प्रसार विभागाच्या धोरणास अनुसरून, आपल्या राज्याची राजभाषा-मराठी चा जास्तीत जास्त वापर व्हावा आणि मराठी भाषेचे संवर्धन व्हावे ह्या हेतूने, *दि. १५ ते २८ जानेवारी २०२४* ह्या कालावधीत मेट पॉलीटेक्निकच्या यंत्र अभियांत्रिकी विभागातर्फे *मराठी भाषा संवर्धन व जागृती प्रश्नमंजुषा* ह्या e-प्रश्नावली* कार्यक्रमाचे आयोजन करण्यात येत आहे. मराठी साहित्य, साहित्यिक आणि भाषा विषयक महत्वाच्या विषयावरील प्रश्नावलीतून विद्यार्थी, शिक्षक, पालक ह्या सर्वांना वाचनाच्या माध्यमातून मराठी भाषेच्या समृद्धतेकडे वळविण्याचा अल्पसा प्रयत्न असून त्याला आपला उत्स्फूर्त प्रतिसाद लाभेल ही अपेक्षा. *धन्यवाद.*

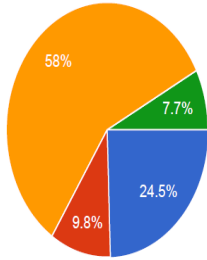
समन्वयक: प्रा.वैभव कोठावडे, अधिव्याख्याता (Mb. 8237098358)

मुख्य समन्वयक: प्रा.अमोल वडनेरे, विभागप्रमुख - यंत्र अभि.विभाग (Mb. 9423927650)

निमंत्रक: डॉ. राजेंद्र नारखेडे, प्राचार्य, मेट पॉलीटेक्नीक, नाशिक

(१) एखाद्या कुशल चित्रकाराने कुचल्याच्या अवघ्या चार-सहा फटकांच्यासरशी एखादे सुरेख चित्र निर्माण करावे तद्वत अवघ्या आठ ओळीत खालील कवीने एक सुंदर निसर्गचित्र शब्दांच्या कुचल्याने "औदुंबर" या कवितेत रेखाटलेले आहे.

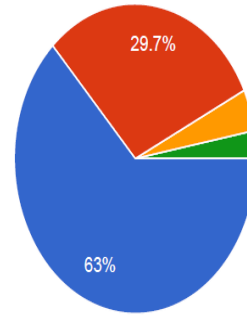
143 responses



- (अ) कुसुमाग्रज
- (ब) विंदा करंदीकर
- (क) बालकवी यंत्रक बापूजी ठोबरे
- (द) मंगेश पाडगावकर

(२) प्रस्तुत प्रश्नमंजुषा विषयी आपला अभिप्राय:

138 responses



- (अ) उत्कृष्ट
- (ब) चांगला
- (क) बरा
- (द) सुधारणा हवी.



Students Achievements

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Hearty Congratulations, To the Winning team of MET's Institute of Technology-Polytechnic, Nashik, in the **Inter Engineering Diploma Students Sport Association (IEDSSA) -2024 *Zonal Event-Kabbadi,** organized at Rajashri Shahu Polytechnic, Nashik on January 30, 2024. **(AY 2023-24)**



Participants name from the Mechanical Department:

1. Gautamiya Abhishek (TYME),
2. Pawar Suraj (TYME),
3. Gite Vaibhav (TYME),
4. Sonawane Mihir (SYME),
5. Lahori Aryan (TYME),
6. Dhobale Mohan (SYME).



Diploma Students of Mechanical Engineering has participated in Inter Engineering Diploma Students Sport Association (IEDSSA) -2024 for Cricket, Kabbadi, Basketball, Athletics, Swimmin & Football.



Students Achievements

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Faculty MOOCS Participation

S. No.	Name of Faculty	Course Completed	Conducted by	Duration
1	A P Vadnere	Online Self Paced Course on Living with climate change and water management	MSBTE, Unicef, Government of Maharashtra, under Youth Leadership and Climate Action Program	7-13 Feb. 2024
2	A P Vadnere	Online Self Paced Course on Bio Cultural Diversity conservation and Climate action		7-13 Feb. 2024
3	A P Vadnere	Online Self Paced Course on Waste management and climate action		7-13 Feb. 2024
4	A P Vadnere	Online Self Paced Course on Energy Management and Climate action		7-13 Feb. 2024
5	J G Dhopte	Online Self Paced Course on Living with climate change and water management		23 Feb. 2024
6	S A Khan	Online Self Paced Course on Living with climate change and water management		13 Feb. 2024



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S. No.	Name of Student	Course & Hosted by	Duration	Class
1	Patil Pranav Jaywant	<p style="text-align: center;">Students MOOC'S Participation</p> <p>Online Self Paced Course on Living with climate change and water management, MSBTE, Unicef, GOM under Youth Leadership and Climate Action Program</p>	Feb. 2024	TYME
2	Gupta Shailendra		Feb.-March 2024	SYME
3	Mogal Prathmesh		Feb.-March 2024	SYME
4	Pekhale Vedant		Feb.-March 2024	SYME
5	Thakare Parth		Feb.-March 2024	SYME
6	Wavare Chaitanya		Feb.-March 2024	SYME
7	Sonawane Saurabh		Feb.-March 2024	SYME
8	Thombre Ashutosh		Feb.-March 2024	SYME
9	Patel Mann		Feb.-March 2024	SYME
10	Ladvanvari Devashish		Feb.-March 2024	SYME
11	Daware Sarthak		Feb.-March 2024	SYME
12	Kute Siddharth		11 March 2024	SYME
13	Rumane Pratik		02 March 2024	SYME
14	Mogal Atharva		13 March 2024	SYME
15	Shinde Unnati		15 March 2024	SYME
16	Bairagi Anushka		15 March 2024	SYME
17	Nikam Ishwari		15 March 2024	SYME
18	Shinde Sanika		15 March 2024	SYME
19	Jadhav Supriya		15 March 2024	SYME
20	Chavanke Shrawani		15 March 2024	SYME

S.No.	Name of Student	Course & Conducted by	Duration
2	Atharva Sarjerao Mogal	<p style="text-align: center;">Students NPTEL Participation</p> <p>8 Week NPTEL Swayam Course on "Mechanical Measurement System IIT Roorkee & NPTEL-Swayam</p>	Jan-Mar. 2024
3	Pratik Dnyaneshwar Rumane		
4	Supriya Balu Jadhav		
5	Sanika Pradip Shinde		
6	Unnati Sandip Shinde		
7	Shravani Balasaheb Chavanke		
8	Darshan Vithathal Mate		
9	Vikram Lakshman Karad		
10	Girish Sachin Kale		
11	Sarthak Pramod Aher		
12	Sarthak Sanjay Daware		
13	Prasad Anil Patil		
14	Shubham Vijay Khairnar		
15	Varad Tanaji Pawar		
16	Pranav Ashok Shintre		
17	Akshay Thube		
18	Harsh Tuplonde		
19	Nikhil Kapade Kuldeep		
20	Sanap Dhanshri Pralhad		

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Many Congratulations to the Third Year Mechanical Engineering Diploma Students of MET's Institute of Technology-Polytechnic, Nashik. For their participation in and winning of the first place in the state level technical Competition "**Techno-Spark 2K24**", Organised by SHHJB Polytechnic, Chandwad on 7th March 2024. (AY 2023-24)



CAD War Winner: Prize Leader: (1st Prize), Uphade Sachin (TYME)

Lathe War Winner Prize Leader (1st Prize): Uphade Sachin (TYME), Pawar Ananda (TYME)

Second Prize: Pund Harshal, Khairnar Vaibhav



Vision Statement of Department of Mechanical Engineering:

To develop competent mechanical engineers with enhanced knowledge, skills and professional attitudes to suit the changing scenario and serve techno-social needs.

Mission Statements of Department of Mechanical Engineering:

- M1** To set and maintain the standard of education for addressing broad-based mechanical engineering-related problems.
- M2** To make continuous efforts to deal with the multi-disciplinary technological challenges of industry and society.
- M3** To create a sense of social responsibility among learners.

Programme Educational Objectives of Dept. of Mech.Engg., IOT-P

- PEO 1** Provide socially responsible, environment friendly solutions to Mechanical engineering related broad-based problems adapting professional ethics.
- PEO 2** Adapt state-of-the-art Mechanical engineering broad-based technologies to work in multi-disciplinary work environments.
- PEO 3** Solve broad-based problems individually and as a team member communicating effectively in the world of work.

Programme Specific Outcomes

PSO 1	Modern Software Usage
PSO 2	Equipment and Instruments
PSO 3	Mechanical Engineering Processes

Queries, Comments, Feedback, Suggestions, and Informative Articles may be sent to:



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www.metbhujbalknowledgecity.ac.in