

July-December
2019

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

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-5)

Department of Mechanical Engineering, MET BKC IOT Polytechnic, Nashik organized an Expert Talk on "Introduction to Basic Electrical & Electronics with its Applications" for Second Year Diploma Students of Mechanical Engineering on Friday, 26.07.2019 (AY 2019-20)

Basic Objectives of the Expert Talk:

The Second Year students of Mechanical Engineering have a subject "Basic Electrical & Electronics" (22310), which is classified under core technology group and form an important subject of Mechanical Branch of Engineering. Diploma Technologist have to deal with electrical & electronics engineering principles and applications in industrial processes of different fields. The subject envisages identification and testing of components, their principles of working and applications of various electronic devices, signal conditioning and processing. Keeping all the above mentioned snags in view, we have organized an expert lecture on this topic for Second year Mechanical Engineering students with following objectives:

- [1] To make conversant to mechanical students with electrical & electronics engineering aspects.
- [2] To know & understand different principles of electrical & electronics engineering.
- [3] To identify different electrical & electronic components with demonstration.
- [4] To introduce function, concept and applications of PLC.

Resource Person: Shri. S P Gawade, Certified Energy Auditor & Director, M/s Gawade Electricals, Nashik.

Benefitaries: Second Year Diploma Students in Mechanical Engineering

Venue: Class Room No. 316

Duration: 10.00 am Onwards

Chief Coordinator: Prof. A P Vadnere, Head of Department, Mechanical Engg. MET BKC IOT-P, Nashik

Coordinator: Prof. U R Bhapkar Lecturer in Mech. Engg., Prof. V E Kothawade, Coordinator of Expert Lecture Committee

Expert Talk on "Basic Electrical & Electronics"



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E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-5)

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit to "Indian Tools", Satpur MIDC, Nashik on 22/07/2019 (AY 2019-20)

Objectives of Industrial Visit:

The Second year students of Diploma in Mechanical Engineering are being introduced to various subjects like Manufacturing Processes, Thermal engineering, Mechanical Engineering Materials, Environment Engineering, etc. As students are unfamiliar to industrial environment, for better understanding of the subject seems quite difficult without in sight in to actual shop floor activity of industry. Keeping all the above mentioned snags in view we have organized this visit.

Relevance with PO's: PO1, PO2, PO5, PO6, PO8, PO9

Relevance with PEO's: PEO1, PEO2, PEO3

Coordinator of Visit: Prof. V B Kalmegh, Lecturer in Mechnaical Engineering & Coordinator of Ind. Visit Committee

Benefitaries: Second Year Diploma Students of Mech. Engg. (Regular & Second Shift)

Staff Involved: Prof. S B Mahale, Prof. U R Bhapkar.

Visit to "Indian Tools, Satpur MIDC, Nashik"



Campus Placement (AY 2018-19)

Third Year Diploma Students of Mechnaical Engineering, *Jadhav Swati, Kambale Alankar, Wagh Yash* has got selected at Dhoot Electronics, Aurangabad & *Parate Gitesh* has got selected at Mylon Industries Ltd. Nashik in Campus Placement Drive of AY 2018-19.




METs Institute of Technology, Polytechnic

Heartily Congratulations

Saurabh Gaikwad
Gitesh Parate
Rohit Shewale
Tushar Gaware

Institute of Technology ,Polytechnic
For Getting Selected in

 **Mylan**
Through campus Placement



MET Bhujbal Knowledge City

E-Newsleeter of Department of Mechanical Engineering (Vol. 3: Issue-5)

Department of Mechanical Engineering, MET BKC IOT Polytechnic, Nashik organized an Expert Talk on “Emerging Trends in Solid Modelling” for Third Year Diploma Students of Mechanical Engineering On Tuesday, 30.07.2019 (AY 2019-20)

Expert Talk on “Emerging Trends in Solid Modelling”

Objectives of Expert Talk:

The Third Year Diploma students of Mechanical Engineering have a subject “**Solid Modelling & Additive Manufacturing-22053**” which is classified under core technology group and form an important subject of Mechanical Branch of Engineering. Mechanical, Plastic, Automobile and allied industries need to build model based applications which are being developed using solid modeling software. Keeping the above mentioned snags in view, we are interested to organize an expert talk on “**Emerging Trends in Solid Modelling**” which enables the students to inculcate solid modeling concepts and methodology to solve engineering problems along with following basic objectives;

- [1] To inculcate different solid modeling concepts and methodology.
- [2] To aware and introduce the different live based engineering problems with example.
- [3] To enhance solid modeling skills of students.

Resource Person: Shri. Amol Walhe, Director, Dimen Tech Pvt. Ltd., Nashik.

Benefitaries: Third Year Diploma Students in Mechanical Engineering

Venue: Class Room No. 316

Duration: 12.30 pm Onwards

Chief Coordinator: Prof. A P Vadnere, Head of Department, Mechanical Engg. MET BKC IOT-P, Nashik

Coordinator: Prof. P P Badgajar LME, Prof. V E Kothawade, Coordinator of Expert Lecture Committee



Mechanical, Automobile, Plastic and allied industries need to build model based applications which are being developed using “**Solid Modeling Software**”. The expert talk deals with the concept of solid modeling to enhance different solid modeling skills of diploma students and will enable the students to inculcate solid modeling concept and methodology to solve engineering problems. We are thankful to **Shri. Amol Walhe** for sharing his experience and valuable time with our students and provide his valuable guidance through this expert talk.

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-5)

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized a Study Visit along with a Half Day Seminar on “*Emerging Trends in Solid Modeling with its Applications*” in association with “Pinnacle CADD LAB”, Collage Road, Nashik on 31/07/2019 (AY 2019-20)

Objectives of Industrial Visit:

Visit to Pinacle CADD Lab”, College Road, Nashik

The Third Year Diploma students of Mechanical Engineering have a subject “**Solid Modelling & Additive Manufacturing-22053**” which is classified under core technology group and form an important subject of Mechanical Branch of Engineering. Mechanical, Plastic, Automobile and allied industries need to build model based applications which are being developed using solid modeling software. Keeping the above mentioned snags in view, we have organized study visit with expert guidance through a seminar on “**Emerging Trends in Solid Modelling with its Applications**” which enables the students to inculcate solid modeling concepts and methodology to solve engineering problems.

Basic Objectives of the Study Visit with Seminar:

- [1] To inculcate different solid modeling concepts and methodology.
- [2] To aware and introduce the different live based engineering problems with example.
- [3] To enhance solid modeling skills of students.

Relevance with PO's: PO1, PO2, PO5, PO6, PO8, PO9

Relevance with PEO's: PEO1, PEO2, PEO3

Coordinator of Visit: Prof. V B Kalmegh, Lecturer in Mech. Engg. & Coordinator of Ind. Visit Committee

Benefitaries: Third Year Diploma Students of Mech. Engg. (Regular & Second Shift)

Staff Involved: Prof. S A Mandore, Prof. N O Warbhe, LME.



Prof. B K Khatale, Lecturer in Mechanical Engineering has successfully participated and completed MSBTE Sponsored Industrial Training program at “**Measurewel Technovision Pvt. Ltd.**”, Aurangabad from 23-27 Sept. 2019.

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-5)

Department of Mechanical Engineering, MET BKC IOT Polytechnic, Nashik organized a Seminar on “*Future Prospective of Oil & Gas Industry*” for Third Year Diploma Students of Mechanical & Electrical Engineering in association with Institute Training & Placement Cell On Thursday, 01.08.2019 (AY 2019-20)

Objective of Seminar:

Seminar on “Future Prospective of Oil & Gas Industry”

As oil prices tentatively recover from the 2014 crash and investments in alternative renewable energy sources gain momentum, oil and gas companies need to innovate to stay competitive and keep the fuel flowing. Offshore Technology asks industry experts for their insight into how technological advancements will shape the future of oil and gas. From a technology standpoint, the ideal solution would need to seamlessly connect all systems and hardware platforms across the various fields of operation, integrating exploration, drilling and production facilities, and ultimately delivering useful data and video streams to a central location, allowing the operators to make better and quicker decisions. Keeping the above mentioned snags in view, we are interested to organize an expert talk on “**Future Prospective of Oil & Gas Industry**” which enables the students to introduce regarding Function, Necessity, Limitations Oil & Gas Industry and the job opportunities in future.

Resource Person: Mr. Khalid M. Karajagi, Field Specialist-Baker Hughes, GE Company, Pune.

Benefitaries: Third Year Diploma Students in Mechanical & Electrical Engineering

Venue: Class Room No. 316

Duration: 01.30 pm Onwards

Chief Coordinator: Prof. A P Vadnere, Head of Department, Mechanical Engg. MET BKC IOT-P, Nashik

Coordinator: Prof. S A Mandore, LME, Prof. V E Kothawade, Coordinator of Expert Lecture Committee



Prof. A B Deore, Lecturer in Mechanical Engineering has successfully participated and completed MSBTE Sponsored FDP on “**Capacity Development for Polytechnic Teachers**” organized by MET's IOT-Polytechnic, Nashik on 08 Aug. 2019.

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-5)

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit to “Supernova Water jet Cutting Systems” & R K Industries, MIDC Ambad, Nashik on 09th August 2019. (AY 2019-20)

Objectives of Visit:

It is necessary for a Diploma Mechanical Engineer to know about the advancements in the area of manufacturing processes. This visit will impart knowledge & skills necessary for working in modern manufacturing environment. It will help the student to get familiarize with working principles and operations performed on non conventional machines, and maintenance of machine tools. Also it will help to understand the overall plant layout and organization structure of Advanced Manufacturing Industry.

Relevance with PO's: PO1, PO2, PO5, PO6, PO8, PO9

Relevance with PEO's: PEO1, PEO2, PEO3

Coordinator of Visit: Prof. V B Kalmegh, Lecturer in Mech. Engg. & Coordinator of Ind. Visit Committee

Benefitaries: Third Year Diploma Students of Mech. Engg. (Regular & Second Shift)

Staff Involved: Prof. V E Kothawade, Prof. A B Deore, LME.

Visit to “Supernova Water Jet & RK Industries”



Campus Placement (AY 2018-19)

| S. No. | Name of Student | Institute/Organisation where placed/selected | Academic Year/ Passed Out Batch |
|--------|-----------------|--|---------------------------------|
| 1 | Bhor Somesh | Bosch India Ltd., Nashik | TYME 1 (2018-19) |
| 2 | Darade Chanchal | Tata Motors Ltd., Chakan, Pune | TYME 1 (2018-19) |
| 3 | | Cummins India Ltd., Pune | TYME 1 (2018-19) |
| 4 | Sonawane Saurav | Tata Motors Ltd., Chakan, Pune | TYME 2 (2018-19) |
| 5 | Kambale Alankar | Tata Motors Ltd., Chakan, Pune | TYME 2 (2018-19) |

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E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-5)

Department of Mechanical Engineering, MET BKC IOT Polytechnic, Nashik organized a Seminar on “Steps to start your own Business” for All Third Year Diploma Students of Institute in association with Institute EDP Cell on Friday, 02.08.2019 (AY 2019-20)

Objectives of Seminar:

Seminar on “Steps to start your own Business”

Entrepreneurship is a key element in the industrialization and economic progress of a nation. It is therefore necessary to inculcate the entrepreneurial values to Third Year students during their educational tenure. This will help them in changing their attitude and take the challenging growth oriented tasks instead of waiting for white collar jobs. The EDP Cell at MET BKC IOT-P was established with this vision of fostering innovation and promoting entrepreneurial skills among Diploma students. The cell organizes different activities and events, time to time to train and motivate the students on entrepreneurship. Keeping all the above mentioned snags in view, EDP Cell has organized a seminar on “Steps to start your own Business” in association with MSME for Third year Diploma Students of our Institute (First & Second Shift) with following objectives.

- [1] To provide guidelines on various schemes of MSME.
- [2] To identify entrepreneurship opportunity through MSME.
- [3] To understand and plan the steps in starting the business.
- [4] To collect and use the information to prepare project report for business venture.

Resource Person: Shri. Sachin Kedare, Ex-(IES) Deputy Director, Office of Textile Commissioner, Government of India

Benefitaries: All Third Year Diploma Students of Institute

Venue: IOT-P Seminar Hall

Chief Coordinator: Prof. A P Vadnere, Head of Department, Mech. Engg. & EDP Cell Coordinator

Program Coordinator: Prof. V B Kalmegh, LME, Prof. V E Kothawade, Prof. S A Mandore, LME



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Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit to "Shree Krishna Engineering Works" MIDC Ambad, Nashik on 19th August 2019. (AY 2019-20)

Objectives of Visit:

It is necessary for a Diploma Mechanical Engineer to know about the advancements in the area of manufacturing processes. This visit will impart knowledge & skills necessary for working in modern manufacturing environment. It will help the student to get familiarize with working principles and operations performed on non conventional machines, and maintenance of machine tools. Also it will help to understand the overall plant layout and organization structure of Advanced Manufacturing Industry.

Relevance with PO's: PO1, PO2, PO5, PO6, PO8, PO9

Relevance with PEO's: PEO1, PEO2, PEO3

Coordinator of Visit: Prof. V B Kalmegh, Lecturer in Mech. Engg. & Coordinator of Ind. Visit Committee

Benefitaries: Third Year Diploma Students of Mech. Engg. (Regular & Second Shift)

Staff Involved: Prof. K A Nerkar, Prof. U S Kolhe, LME.

Visit to "Shree Krishna Engineering Works", Nashik



Campus Placement (AY 2018-19)

| S. No. | Name of Student | Institute/Organisation where placed/selected | Academic Year/ Passed Out Batch |
|--------|------------------|--|---------------------------------|
| 1 | Pendharkar Yash | Shirode Hyundai Automobile Ltd. | TYME 1 (2018-19) |
| 2 | Mahajan Bhagyesh | Shirode Hyundai Automobile Ltd. | TYME 1 (2018-19) |
| 3 | Bhor Somesh | Shirode Hyundai Automobile Ltd. | TYME 1 (2018-19) |
| 4 | Rudre Shriraj | Shirode Hyundai Automobile Ltd. | TYME 1 (2018-19) |
| 5 | Moravkar Sahil | Shirode Hyundai Automobile Ltd. | TYME 1 (2018-19) |

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Department of Mechanical Engineering, MET's Institute of Technology-Polytechnic, Nashik organized "6 Week Industrial Training" for All Second Year Diploma Students of Mechanical Engineering as per the MSBTE Norms at various renowned industries in Nashik MIDC Area from **15 May 2019 to 25 June 2019** (AY 2018-19).

Glimpses of 6 Weeks Industrial Trainings of SYME Students (AY 2018-19)

Purpose and Benefits of Industrial Training: The Student **Industrial Training Scheme** was initiated by MSBTE from Revised I Scheme curriculum for Second Year Diploma Students with effective from 2017-18 through the course **Industrial Training (22049)** for 6 week duration.

- [1] This was to update practical knowledge of Diploma students and to develop the traits of industry culture among the students before they enter into world of industry.
- [2] Its gives student the opportunity to blend the theoretical knowledge acquired in the classroom and with practical hands on application of knowledge required to perform work in the industry.
- [3] By exposing and interacting with the real life industrial setting, student will appreciate and understand the actual working of an industry, best practices adopted in industry.
- [4] The industrial skills like soft skills, life skills, and hands on skills will be inculcated among the student.
- [5] This short association with industry will be instrumental in orienting the students in transforming them into industry ready output after completion of diploma programme.



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Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit to "Redwing Winery Project", Tal. Dindori, Dist. Nashik on 18-19 Sept. 2019. (AY 2019-20)

Objectives of Visit:

Visit to Redwing Winery Project, Dindori

Mechanical Engineers have to work with various power producing & power absorbing devices like Boilers, Condensers, Turbines, Compressor, I.C. Engines, and Pumps etc. In order to understand the basic principles, construction and working of the devices, we have organize this visit. Beside this, following are the objective of visit;

- [1] To give practical insight of boiler equipment and accessories used in Winery Project.
- [2] To study overall plant layout and co generation plant utilization in Winery Project.

Relevance with PO's: PO1, PO2, PO5, PO6, PO8, PO9

Relevance with PEO's: PEO1, PEO2, PEO3

Date & Duration: 18 & 19/09/2019

Class & No. of Students: SYME 1, SYME 2 , SYME S (96)

Coordinator of Visit: Prof. V B Kalmegh, Lecturer in Mech. Engg. & Coordinator of Ind. Visit Committee

Staff Involved: Prof. U R Bhapkar, Prof. S S Shelkar, Prof. N O Warbhe, Prof. S B Mahale



Campus Placement (AY 2018-19)

| S. No. | Name of Student | Institute/Organisation where placed/selected | Academic Year/ Passed Out Batch |
|--------|------------------|--|---------------------------------|
| 1 | Wadhe Aniket | Shirode Hyundai Automobile Ltd. | TYME 2 (2018-19) |
| 2 | Shirsath Nishant | Shirode Hyundai Automobile Ltd. | TYME 2 (2018-19) |
| 3 | Pagar Priti | Shirode Hyundai Automobile Ltd., Nashik | TYME 2 (2018-19) |
| 4 | Thorat Amit | Shirode Hyundai Automobile Ltd., Nashik | TYME S (2018-19) |
| 5 | Hullale Kunal | Shirode Hyundai Automobile Ltd. | TYME S (2018-19) |
| 6 | Sonawane Ankita | Shirode Hyundai Automobile Ltd., Nashik | TYME S (2018-19) |

List of Third Year Toppers - AY 2018-19 (MSBTE Exam-Summer 2019)

| | | |
|---|---|---|
|  |  |  |
| Rank 1 | Rank 2 | Rank 3 |
| TYME 1 (0776) | TYME 1 (0776) | TYME 1 (0776) |
| Dhikale Abhishek Keshav | Pund Karan Kailas | Khedkar Shrushti Prashant |
| (%) Summer 2019- 91.12 | (%) Summer 2019- 86.47 | (%) Summer 2019- 85.00 |
|  |  |  |
| Rank 1 | Rank 2 | Rank 3 |
| TYME 2 (0776) | TYME 2 (0776) | TYME 2 (0776) |
| Wadhe Aniket Ranjan | Suryawanshi Shubham S | Vyawahare Rushikesh Arun |
| (%) Summer 2019- 84.47 | (%) Summer 2019- 83.59 | (%) Summer 2019- 80.12 |
|  |  |  |
| Rank 1 | Rank 2 | Rank 3 |
| TYME S (1636) | TYME S (1636) | TYME S (1636) |
| Patil Sahil Sunil | Thorat Amit Shailesh | Patil Aditya Sunil |
| (%) Summer 2019- 75.76 | (%) Summer 2019- 74.29 | (%) Summer 2019- 72.59 |

!! Heartily Congratulations!!

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-5)

Department of Mechanical Engineering, MET BKC IOT Polytechnic, Nashik organized an Expert Talk on "Development of Biomaterials & Its Products" on Thursday, 08.08.2019 (AY 2019-20)

Objectives of Talk:

Expert Talk on "Development of Biomaterials & Its Products"

The Students of Mechanical Engineering have a subject "Mechanical Engineering Materials" (22343), which is classified under core technology group and form an important subject of Mechanical Branch of Engineering. With the advances made in the field of material science millions of materials are now available to cater various need of mankind. These needs and service conditions dictate the properties to be developed in the materials therefore the subject "Biomaterials and Its Products" has attached lot of attention. Keeping all the above mentioned snags in view, we have organized an expert lecture on this subject for Second & Third year Mechanical Engineering students.

Basic Objectives of the Expert Talk:

- [1] To understand and identify variety of bio materials with their applications
- [2] To categorize the types and properties of bio materials.
- [3] To know & understand the selection of biomaterials with their applications.

Resource Person: Dr. K A Jagtap, HOD-Mech. Engg. Government Polytechnic, Vikramgad. Dist. Palghar.

Benefitaries: All Second & Third Year Diploma Students of Mechanical Engg.

Venue: Class Room No. 316

Chief Coordinator: Prof. A P Vadnere, HOD Mech. Engg.

Program Coordinator: Prof. U R Bhapkar, LME, Prof. V E Kothawade, Coordinator of Expert Lecture.



Programme Specific Outcomes of Dept. of Mech.Engg., IOT-P

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

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Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized a Study Visit along with a Half Day Seminar on “3D Printing & 3D scanning” in association with “Technocad”, Mahatma Nagar, Nashik on 26/09/2019 (AY 2019-20)

Objectives of Industrial Visit:

Seminar on “3D Printing & 3D scanning”

The Third Year Diploma students of Mechanical Engineering have a subject “Solid Modelling & Additive Manufacturing-22053” which is classified under core technology group and form an important subject of Mechanical Branch of Engineering. Mechanical, Plastic, Automobile and allied industries need to build model based applications which are being developed using solid modeling software. Keeping the above mentioned snags in view, we are interested to organize study visit in your organization with expert guidance through a seminar on “Applications of Additive Manufacturing (3D Printing 3D Scanning)” which enables the students to inculcate Additive Manufacturing concepts and practical demonstration of 3D Printer used in Industry.

Basic Objectives of the Study Visit with Seminar:

- [1] To know and understand the concepts of Additive Manufacturing.
- [2] To aware and introduce the constructional features and methodology of 3D Printing.
- [3] To observe and understand the practical applications of 3D printing with demonstration.

Relevance with PO's: PO1, PO2, PO5, PO6, PO8, PO9

Relevance with PEO's: PEO1, PEO2, PEO3

Coordinator of Visit: Prof. V B Kalmegh, Lecturer in Mech. Engg. & Coordinator, Ind. Visit Committee

Benefitaries: TYME 1, 2 & S

Staff Involved: Prof. N O Warbhe, Prof. K G Deshpande, LME.



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. |

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E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-5)

Department of Mechanical Engineering, MET BKC IOT Polytechnic, Nashik organized an Expert Talk on "Industrial Safety Management" on Monday, 23.09.2019 (AY 2019-20)

Objectives of Seminar:

The Third Year students of Mechanical Engineering have a subject "Management" (22509), which is classified under core technology group and form an important subject of Mechanical Branch of Engineering. This course is designed to provide the basic concepts in management principles, safety aspects and Industrial Acts. Keeping all the above mentioned snags in view, we are interested to organize expert lecture on this subject for Second year Mechanical Engineering students.

Basic Objectives of the Expert Talk:

- [1] To understand and identify the need of safety management.
- [2] To know the general safety norms and preventive measures.
- [3] To know and apply the principle of safety management.

Resource Person: Prof. M S Dukale, Coordinator, Advanced Diploma in Industrial Safety, KKW Poly. Nashik.

Benefitaries: Third Year Diploma Students of Mechanical Engg.

Venue: Mechanical CADD Lab

Program Coordinator: Prof. V E Kothawade, Coordinator of Expert Lecture Committee.

Seminar on "Industrial Safety Management"



Glimpses of Theory of Machines & Mechanism Lab (3rd Floor-315)

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Department of Mechanical Engineering, MET's BKC IOT-Polytechnic Nashik organized a "Seed Ball Campaign: Trees forever" under Department CSR Cell on Saturday, 28 Sept. 2019 (AY 2019-20)

Introduction:

The Third Year Diploma students of Mechanical Engineering, MET's IOT-Polytechnic, Nashik has organized a Seed Ball Campaign "Trees Forever" under Department CSR Cell on Saturday, **28th September 2019** in association with Shri. Umesh Shinde, Director, Vidya Sahyaoh Social Welfare, Nashik.

Basic Objectives of the Programme:

The Seed Ball programme focuses on increasing green cover across India. The process involves making golf ball-sized mixture of soil, seeds and compost, and scattering it in suitable places for trees to grow. Through this programme, students and staff will be able to know;

- [1] How to make a seed ball?
- [2] What is seed bombing?
- [3] How to dry seeds for planting?

Seed Ball Campaign: Trees Forever

Student Coordinator : Mr. Suraj Pawar, TYME & TYME Students of AY 2019-20

Department CSR Cell Coordinators: Prof. S D Sonawane, Prof. S S Shelkar, LME & All the Faculty & Staff Members of Mech. Dept.



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2019**Bhujbal Knowledge City, MET's IOT-Polytechnic, Nashik****E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-5)**

Department of Mechanical Engineering & MET's Institute of Technology-Polytechnic, Bhujbal Knowledge City, Nashik has observed "Van Mahotsav -2019" on Friday, 26.07.2019 along with staff & students (AY 2019-20) Trees plantation drive on 26th July 2019 has been held at the MET' BKC Campus by Faculty, Staff and students of MET BKC IOT-Polytechnic, Nashik. On this occasion Diploma students of Institute along with HOI, HOD's Faculty & Staff members are held awareness campaign to promote free circulation of trees, forest conservation, conserves soil deterioration, etc.

Tree Plantation Drive

अननस, कुजलेले कांदे, टोमॅटोपासून इंधननिर्मिती

मेट तंत्रनिकेतनच्या विद्यार्थ्यांकडून अपारंपरिक इंधनाचा शोध

सकाळ वृत्तसेवा

नाशिक, ता. २१ : येथील भुजबळ नॉलेज सिटी, मेट तंत्रनिकेतनमधील यंत्र अभियांत्रिकी विभागाच्या विद्यार्थ्यांनी जैवइंधन तयार करण्यात यश मिळविले आहे. अननस, कुजलेले कांदे व टोमॅटो यांच्या लगदापासून फर्मेंटेशन पद्धतीने या विद्यार्थ्यांनी इंधन तयार केल्याचा दावा केला आहे. प्रणव पवार, शर्वाय गवळी, आकाश खरे, पीयूष निरभवणे अशी या विद्यार्थ्यांची नावे आहेत.

विद्यार्थ्यांनी दिलेल्या माहितीनुसार भारतात बायो-इथेनॉल तयार करण्यासाठी प्रामुख्याने उसाचा वापर होतो. जगात अमेरिका, रशिया, चीन, मेक्सिको, जपान, ब्राझिल या देशांनी उसाशिवाय कुजलेल्या फळांचा वापर करून इथेनॉल उत्पादनात

व गुणवत्तेत वाढ केली आहे. त्यामुळे भविष्यातील पर्यायी इंधनाची मागणी व उपयुक्तता बघता भारतातदेखील अशा प्रकारच्या प्रयोगातून बायो- इथेनॉलचे उत्पादन वाढविण्यास प्रोत्साहन मिळेल.

जगातील ८४ टक्के पारंपरिक इंधन ऊर्जा नष्ट होण्याच्या मार्गावर आहे. वाहन उत्पादक, अभियंते व तज्ज्ञ पर्यायी उपयुक्त इंधनाच्या शोधात कार्यरत आहे. पारंपरिक इंधनाला पर्याय म्हणून कधीही संपुष्टात न येणाऱ्या अपारंपरिक ऊर्जेचा वापर करून वाहनांत प्रायोगिक बदल करण्याचे प्रयत्न सुरू असून, त्यादृष्टीने संशोधन उपयुक्त ठरेल. या प्रकल्पासाठी विद्यार्थ्यांना संस्थेचे प्राचार्य डॉ. राजेंद्र नारखेडे, डॉ. अनिल कोकाटे, यंत्र विभाग प्रमुख प्रा. अमोल वडनेरे, प्रकल्प मार्गदर्शक प्रा. उमेशचंद्र कोल्हे यांचे मार्गदर्शन लाभले.

Innovative Project prepared by Third Year Diploma Students of Mech. Engg. in AY 2018-19 under the guidance of Prof. U S Kolhe.

Courtesy: Daily News Letter Sakal on Dated 22 July 2019

Student's Corner



Greta Thunberg

"A next generation leader"

Greta Thunberg is a Swedish teenage environmental activist on climate change whose campaigning has gained international recognition. Thunberg first became known for her activism in August 2018 when, at age 15, she began spending her school days outside the Swedish parliament to call for stronger action on global warming by holding up a sign saying "*School strike for the climate*". Soon, other students engaged in similar protests in their own communities. Together, they organised a school climate strike movement under the name "*Fridays for Future*". After Thunberg addressed the 2018 United Nations Climate Change Conference, student strikes took place every week somewhere in the world. Thunberg is known for her blunt, straightforward speaking manner, both in public and to political leaders and assemblies, in which she urges immediate action to address what she describes as the climate crisis. At home, Thunberg convinced her parents to adopt several lifestyle choices to reduce their own carbon footprint, including giving up air travel and not eating meat.

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