

Jan-Jun 2020 Bhujbal Knowledge City, MET's IOT-Polytechnic, Nashik

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-6)

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized Expert Talk on "*Personality Development & Life Skills*" on 19th December 2019 (AY 2019-20)

Objectives of Expert Talk:

- 1. To develop leadership qualities of students through self motivation techniques.
- 2. To improve the interpersonal relationship skills.

3 To discuss a particular topic in a group and face the interview with proper life skills.

Resource Person: Mr. Gopi Gilbile, Director, Gopi Personality Development Centre, Nashik.

Benefitaries: All the Diploma Students of Mech. Engg. (First, Second, Third Year)

Venue: IOT-P Seminar HallDuration: 1.00 pm onwrads

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

Program Coordinators: Prof. P P Badgujar, Prof. V E Kothawade, Lecturer in Mech. Engg.

Expert Talk on "Personality Development & Life



Importance of Life Skills

With increased globalization and rapid changing business expectations, employers are looking for wide cluster of skills to cater to the changing demand. Personality traits and soft skills are playing a key role in a student's career in this changing scenario. Corporate houses look for soft skills that supplement hard skills.

Prof. K G Deshpande, Lecturer in Mechanical Engineering has successfully completed his post graduation in ME (CAD-CAM) from Savitribai Phule Pune University with First Class in *Dec. 2019*.



Jan-Jun 2020

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

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-6)

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit to "Traffic Education Park, Mumbai Naka, Nashik on 24th December 2019. (AY 2019-20)

Objectives of Visit:

This visit will help in developing the awareness and interest in Road Traffic Safety & Security among the students with following objectives.

[1] To improve awareness of traffic safety among students.

[2] To gain hands-on experience on prototypes and mock road safety conditions and signs.

[3] To know, understand and adapt the traffic rules and safety measures while driving.

Relevance with PO's: PO1, PO2, PO5, PO6, PO8, PO9Relevance with PEO's: PEO1, PEO2, PEO3Coordinator of Visit: Prof. V B Kalmegh, Lecturer in Mech. Engg. & Coordinator of Ind. Visit CommitteeBenefitaries: FYME StudentsDuration: 12.30 pm onwards

Staff Involved: Prof. S D Sonawane, Mrs. S G Chaudhari, Mr. S S Chaudhari

Visit to "Traffic Education Park, Nashik"



The **Children Traffic Education Park** set up in order to bring about an attitudinal change in the younger generation so that roads are free of mishaps in the future. Under this initiative started by Nashik First Organization school/college students and adults get free training on traffic safety. The participants are taught traffic rules and are given in depth knowledge and awareness about Road Safety.





Jan-Jun 2020

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

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-6)

One Days Training Programme on "*Personality Development & Basic Communication Skills*" Organized by Department of Mechnaical Engineering, MET's Institute of Technology-Polytechnic, Nashik in association with, Let's Speak Institute of Spoken English & Personality Development, Nashik on 10th January 2020 (AY 2019-20).

Objective of Programme:

Training on "Persoanlity Development & Basic Communication SKills

Personality Development and Effective Communication skills play a crucial role in honing one's personality. Communication helps individuals to express themselves in the most convincing way. Thoughts, feelings and knowledge should be passed on in the most desirable manner and effective communication skills help us in the same. Keeping all the mentioned snags in view, Department of Mechanical Engineering has organized this one Day Training Session for Second Year Diploma students of Mechanical Engineering.

Workshop Contents:

Session 1. Basics Communication Skills

Session 2: Personality Development

Resource Person: Mr. Pranav Kumar, Director and Experienced soft skills trainers, from Let's Speak, Institute of Spoken English & Personality Development, Nashik.

Benefitaries: Second Year Diploma Students of Mechnaical Engineering (Regular & Second Shift).

Duration of Workshop: Friday, 10th January 2020.

Venue: Department of Mechanical Engg., IOT-P, 3rd Floor, IOT-P, Nashik.

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

Program Coordinator: Prof. P P Badgujar, Lecturer in Mech. Engg.

Joint Coordinators: Prof. S B Mahale, Prof. U R Bhapkar, Prof. A B Deore, Lecturer in Mech. Engg.



Effective communication and interpersonal skills are crucial to increase employment opportunities and to compete successfully in the business environment. The real key to the effectiveness of professionals is their ability to put their domain knowledge into effective practice. In this context, soft skills have a crucial role to play. If future engineers know how to deal with people at the emotional level (peers, subordinates, superiors, clients, suppliers, etc.) through Emotional Intelligence (EI), they can build and sustain effective relationships that will result in mutual gain.

With Let's Speak Institute of Spoken English & Personality Development, Nashik, Department of Mechanical Engineering providing a unique opportunity for all Second year diploma students of Mechanical Engineering to develop their personality and upgrade their communication and presentation skills. The training benefits the students, both in their early professional careers and in their social interactions in the business environment.



Jan-Jun 2020

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

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-6)

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit to "*MSRTC Divisional Workshop, Peth-Dindori Road, Nashik*" on 31st January 2020. (AY 2019-20) **Objectives of Visit:**

[1] To study the organization structure of MSRTC, Divisional Workshop.

[2] To observe, identify and understand the various automobile systems and components used in MSRTC buses.

[3] To observe and study the Hydrometer testing, cell testing of Battery and alternator tests.

[4] To observe & understand the working various automobile electrical systems and maintenance practices used in MSRTC Workshop.

Relevance with PO's: PO1, PO2, PO3, PO4, PO5, PO6, PO9, PO10 **Relevance with PEO's:** PEO3, PEO4 **Benefitaries:** Third Year Diploma Students of Mechnaical

Staff Accompanied: Prof. A P Vadnere, Prof. U S Kolhe

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

Visit to "MSRTC Divisional Workshop", Nashik



MSRTC (Maharashtra State Road Transport Corporation) Divisional Workshop, Nashik is divided into many subsections in order to maintain the quality and repair work of the different parts of bus correctly. The area of workshop is much bigger, that it can handle 20 buses at a time. The workshop does not produce the new buses it is just for maintaining and servicing of the working buses. After reaching the place we divided ourselves in group in order to proper understanding of everyone and then started to get information about different section.

Prof. V E Kothawade, Lecturer in Mechanical Engineering has successfully qualified PET 2019 and Registered for PhD (Mechanical Engg.) at Savitribai Phule Pune University in AY 2019-20.



Jan-Jun 2020

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

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-6)

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Expert Talk on "*Career Opportunities for Mechanical Engineer in RTO Department*" on 28th January 2020 (AY 2019-20) **Objectives of Expert Talk:**

1. To explore the eligibility, qualification & other details regarding AIMV Exam conducted by MPSC.

- 2. To aware the students regarding various career opportunities in RTO.
- 3. To familiarize the students with organizational structure of RTO Department
- 4. To inculcate positive attitude among Diploma students towards MPSC Examination

Resource Person: Mr. Sagar J Ajabe, Assistant Inspector of Motor Vehicle (AIMV), Motor Vehicle (RTO) Department, Tardev, Mumbai.

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

Venue: Class Room No. 316

Duration: 12.30 pm onwrads

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

Program Coordinators: Prof. V E Kothawade, Lecturer in Mech. Engg.

Expert Talk on "Career Opportunities in RTO"



Summary Sheet of 6 Week Inplant Training of SYME Students (AY 2019-20)

1	Total No. of MOU's assigned with Industries	15
2	Total No. of SYME Students from Regular Shift	80
3	Total No. of SYME Students from Second Shift	16
4	Total No. of Students Deputed for Inplant Training	96
5	Total No. of Student Mentors Assigned	15



Jan-Jun 2020

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

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-6)

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit to "Prakash Technoplast" Ambad MIDC, Nashik on 11th February 2020 (AY 2019-20)

Objectives of Visit:

Diploma Engineers requires the knowledge of core principles of manufacturing processes. The diploma technician should know how the raw material gets processed through various processes and ultimately results into finished goods. This idea and following objective will be fulfilled through this Industrial Visit,

[1] To observe and know the different types of plastic moulding processes.

[2] To observe and know the various Injection Moulding Machine & Process.

Relevance with PO's: PO1, PO2, PO5, PO6, PO8, PO9Relevance with PEO's: PEO1, PEO2, PEO3Coordinator of Visit: Prof. V B Kalmegh, Lecturer in Mech. Engg. & Coordinator of Ind. Visit CommitteeBenefitaries: No. of Students SYME 1 – 45 SYME 2 – 35 SYME S – 16 (10.00 am onwards)Staff Involved: Prof. S S Shelkar, Prof. V E Kothawade, Prof. B K Khatale, Prof. U R Bhapkar.

Visit to "Praksh Technoplast" Nashik







Jan-Jun 2020

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

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-6)

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized a Seminar on "*Resume Writing & Interview Techniques*" on 04th Feb. 2020 (AY 2019-20)

Objectives of Seminar:

- 1. To identify the appropriate resume structure for individual work history.
- 2. To recognize key elements of an effective resume and cover letter.
- 3 To understand and address the selection criteria.
- 4. To recognize successful interview techniques
- 5. To develop professional etiquettes and first impression skills

Resource Person: Mr. Kiran Derle, Director, Target Campus (Educational Venture), Nashik.

Benefitaries: Third Year Diploma Students of Mechanical Engg. Venue: Mechanical CADD Lab

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

Program Coordinator: Prof. V E Kothawade, Lecturer in Mech. Engg., Coordinator-Expert Lecture Committee.

Seminar on "Resume Writing & Interview Techniques"



With increased globalization and rapid changing business expectations, employers are looking for wide cluster of skills to cater to the changing demand. To provide students with the information and skills necessary to compose a quality resumes and succeed in professional interviews in order to obtain employment, Department has organized a seminar on "**Resume Writing & Interview Techniques**" for Final Year Diploma Students.

Prof. S A Mandore, Prof. N O Warbhe, Prof. S D Sonawane, Mr. S B Tamhane has attended and actively participated in one Day Workshop on "Gandhi Global Solar Yatra-2019" organised by MET BKC IOT-P Nashik in association with IIT, Mumbai & Central Govt. of India on 02 October 2019.



Jan-Jun 2020

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

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-6)

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit to "Jadhav Castings" Ambad MIDC, Nashik on 11th February 2020 (AY 2019-20)

Objectives of Visit:

Diploma technician often comes across various types of basic manufacturing processes. The diploma technician should know how the raw material gets processed through various processes and ultimately results into finished goods. This idea and following objective will be fulfilled through this Industrial Visit,

[1] To observe and know the different types of patterns and models available in Industry with their applications.

[2] To observe and know the various types of pattern allowances.

[3] To observe, understand and know the various types of casting processes.

Relevance with PO's: PO1, PO2, PO5, PO6, PO8, PO9Relevance with PEO's: PEO1, PEO2, PEO3Coordinator of Visit: Prof. V B Kalmegh, Lecturer in Mech. Engg. & Coordinator of Ind. Visit CommitteeBenefitaries: No. of Students SYME 1 – 45 SYME 2 – 35 SYME S – 16 (10.00 am onwards)Staff Involved: Prof. S S Shelkar, Prof. V E Kothawade, Prof. B K Khatale, Prof. U R Bhapkar.

Visit to "Jadhav Castings", Nashik







Jan-Jun 2020

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

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-6)

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit to "Solid Waste Management Project (SWMP)" NMC, Ambad MIDC, Nashik on 13th February 2020 (AY 2019-20) **Objective of Visit:**

The purpose of the visit was to acquaint the students with the process of Solid Waste Management in town. The visits include presentations by Plant engineers, which explain all the details and benefits of plant. They were then accompanied on a tour of the site, where they were given a detailed explanation of the plant. They observed the work achieved so far on the ground. A step-by-step guide describing what happens at each stage of the treatment process and how pollutants are removed to help keep environment clean.

Relevance with PO's: PO1, PO2, PO5, PO6, PO7, , PO10Relevance with PEO's: PEO1, PEO3, PEO4Coordinator of Visit: Prof. V B Kalmegh, Lecturer in Mech. Engg. & Coordinator of Ind. Visit CommitteeStaff Involved: Prof. J G Dhopte, Prof. S D Sonawane, Prof. B K Khatale.

Visit to "Solid Waste Management Project", Nashik







Glimpses of Fluid Mechanics & Machinery Lab of Mechanical Department









Jan-Jun 2020

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

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-6)

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit to "Sewerage Water Treatment Plant (SWTP), Tapovan, Nashik on 13th February 2020 (AY 2019-20) **Objective of Visit:**

The purpose of the visit was to acquaint the students with the process of Organization Waste water treatment. The visits include presentations by Plant engineers, which explain all the details and benefits of plant. They were then accompanied on a tour of the site, where they were given a detailed explanation of the plant. They observed the work achieved so far on the ground. A step-by-step guide describing what happens at each stage of the treatment process and how pollutants are removed to help keep our waterways clean.

Relevance with PO's: PO1, PO2, PO5, PO6, PO9, PO10Relevance with PEO's: PEO1, PEO3, PEO4Coordinator of Visit: Prof. V B Kalmegh, Lecturer in Mech. Engg. & Coordinator of Ind. Visit CommitteeStaff Involved: Prof. J G Dhopte, Prof. S D Sonawane, Prof. B K Khatale

Visit to "Sewage Water Treatment Plant", Nashik





Project Summary Sheet (AY 2019-20) (TYME 1,2, S)			
S. N.	Project Categories (Groups)	Quantity	
1	Industry Sponsored	04	
2	Industry Based	02	
3	Laboratory Development	01*	
4	Literature Based	00	
5	Social Relevant	00	
6	Application Based	01	
7	Others	00	
Total		08	



Jan-Jun 2020

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

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-6)

Tidke Chetan, Sonawane Shubham, Shinde Prathmesh, Shinde Siddhesh, Second Year Diploma Students of Mechanical Engineering has participated and won Second Prize in "Assembly Hunt" A National Level Technical Event "*MECHSUMMIT-2020*" organized by Sandip Institute of Engineering, Nashik on 14-15 Feb. 2020.

Students Achievements



Technical Paper Presentations

Date Vaibhav S, Mali Yashwant A, Third Year Diploma Students of Mechnaical Engineering has participated and Presented a Technical Paper on "*A Review on Evolution of Automobile styling from Bionics design*" in "**Technomania-2020**" a state level Technical Paper Presentation Competition organized by MET BKC IOT-P, Nashik on 03 Jan. 2020.

Jagtap Chinmay K, Gade Tushar A "Third Year Diploma Students of Mechnaical Engineering has participated and Presented a Technical Paper on "Study of Effect of Average Cutting Speed on The Machining Time in CNC Turning" in "Technomania-2020" a state level Technical Paper Presentation Competition organized by MET BKC IOT-P, Nashik on 03 Jan. 2020.

Prof. K G Deshpande has published a Technical Paper on "*Analytical Evaluation of Properties for Composite Material and Review of Design of Composite Automobile Drive Shaft*", in International Journal of Science & Advanced Research in Technology, ISSN (0): 2395-1052, Vol. 5, Issue 7, (July 2019).



Jan-Jun 2020

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

E-Newsleeter of Department of Mechanical Engineering (Vol. 3 : Issue-6)

. Department of Mechanical Engineering, MET BKC IOT-Polytechnic, Nashik organized a Workshop on *"Entrepreureship & Skill Development"* for all the Third Year Students, MET BKC IOT-P, Nashik in association with Institute Entrepreureship Development (EDP) Cell on 27/02/2020 (AY 2019-20) **Objective of Workshop:**

Objective of Workshop:

- [1] To make them aware about entrepreneurship as career choice.
- [2] To develop and strengthen entrepreneurial quality.
- [3] To understand the process and procedure involved in setting up small units.
- [4] To know the sources of help and support available for starting a small scale industry.

Resource Person: Shri. Devdatta C Gokhale, Director, Gokhale's Advanced Training Institute (GATI) Benefitaries: All Third Year Diploma Students of IOT-P Venue: IOT-P, Seminar Hall Chief Coordinator: Prof. A P Vadnere, HOD-ME, Coordinator, Institute EDP Cell Coordinator: Prof. P P Badgujar, Lecturer in Mech. Engg., MET BKC IOT-P, Nashik



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	



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.	

For Private Circulation Only

13











MET's Institute of Technology (Polytechnic), Nashik Bhujbal Knowledge City, Adgaon, Nashik - 422 003 (M.S.) www.metbhujbalknowledecity.ac.in

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

mech.spandan@gmail.com

18