

January-June  
2018

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

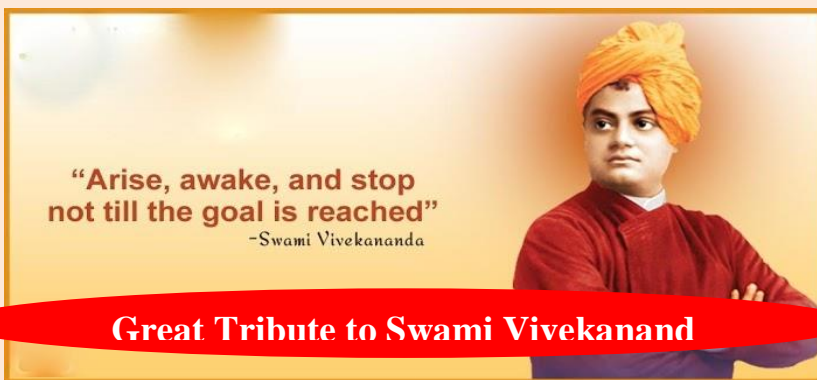
## E-Newsleeter of Department of Mechanical Engineering (Vol. 1 : Issue-2)

Bhujbal Knowledge City, MET's Institute of Technology (Polytechnic), Department of Mechanical Engineering organized "Alumni Meet-2018" in association with Alumni Association of MET IOT-P, Nashik on 23<sup>rd</sup> June 2018.

### Objectives of Alumni Meet 2018:

- [1] To get the entire Alumni of institution together under one roof.
- [2] To build a strong Alumni Network amongst the Alumni Community.
- [3] To engage the current students with the Alumni to maintain an Alumni Database & provide career guidance.
- [5] To create common interest groups and provide a forum for discussion.
- [6] To inform the Alumni about the ongoing and future.

## Alumni Meet 2018



Department of Mechanical Engineering, MET BKC IOT-P, Nashik has offered rich tributes to **Swami Vivekananda** (12 January 1863 – 4 July 1902), born Narendranath Datta, was an Indian Hindu monk, a chief disciple of the 19th-century Indian mystic Ramakrishna. He was a key figure in the introduction of the Indian philosophies of Vedanta and Yoga to the Western world.

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## E-Newsleeter of Department of Mechanical Engineering (Vol. 1 : Issue-2)

Department of Mechanical Engineering, MET BKC IOT-Polytechnic, Nashik organized Seminar on “How to plan your career to get an entry into Engineering Industry as a CAD-CAM-CAE Professional” on 10<sup>th</sup> January 2018 (AY 2017-18)

### Objectives of Expert Lecture:

To know & understand,

- [1] What is CAD-CAM-CAE Industry & its Tools?
- [2] Current Scenario of CAD-CAM-CAE Industry
- [3] Tool Applications
- [4] Brief review of Ansys, Cero, CATIA V5, AutoCAD software's

**Resource Person:** Shri. Jayesh Pai, (M.Tech. IIT Mumbai) CEO, Access CADD, Canada Corner, Nashik.

**Benefitaries:** All Third Year Diploma Students in Mechnaical Engg.

**Venue:** IOT-P Seminar Hall

**Duration:** 11.40 am onwards    **Coordinators:** Prof. A P Vadnere, HOD-Mech. Engg. Prof. V E Kothawade

### Glimpses of Seminar:

## Seminar on “CAD-CAM-CAE”



Moreover students having **3D CAD/CAM/CAE** knowledge have better chances of growth, immediate employability after completion of Diploma or Graduation and chances of jobs abroad. As the market economy opens more and more it has become extremely competitive and with this state of economy, skilled people play the most important role in organization. Hence it becomes imperative on the part of Polytechnics and Engineering Colleges to especially look for new initiatives towards improving the skills and knowledge of students. An emerging trend of Engg. Education is the rapid incrementation of CAD/CAM/CAE software as an essential part of curriculum.

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2018**Bhujbal Knowledge City, MET's IOT-Polytechnic, Nashik****E-Newsleeter of Department of Mechanical Engineering (Vol. 1 : Issue-2)**

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit to “Jadhav Casting Pvt. Ltd.”, Ambad MIDC, Nashik on 4 to 5 January 2018.

**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.

**Day 1:** 04/01/2018 **Class:** SYME 1 **No. of Students:** 51 **Staff Involved:** Prof. A G Wattamwar

**Day 2:** 05/01/2018 **Class:** SYME 2 **No. of Students:** 53 **Staff Involved:** Prof. B K Khatale

**Day 3:** 11/01/2018 **Class:** SYME S **No. of Students:** 28 **Staff Involved:** Prof. V E Kothawade

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

**Glimpses of Visit:****Visit to “Jadhav Casting”, Nashik**

On the behalf of Department of Mechanical Engineering, MET-BKC-IOT-P, we would like to thank the Shri. Ganesh Jadhav, Director of Jadhav Castings Pvt. Ltd., Nashik, for allowing us to visit the organization. We would like to thank to entire team of Nidhi Industries for sharing their knowledge, and valuable time with us. We found the visit of great value and extremely interesting.

**Prof. U R Bhapkar**, Lecturer in Mechanical Engineering (Regular Shift) has participated and successfully completed an Industrial Training sponsored by MSBTE, Mumbai at “ASR Industries”, Aurangabad on 17-19 Feb. 2018.

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**E-Newsleeter of Department of Mechanical Engineering (Vol. 1 : Issue-2)**

Department of Mechanical Engineering, MET BKC IOT-Polytechnic, Nashik organized Seminar on “**Entrepreneurship Development**” in association with Institute EDP Cell on 17<sup>th</sup> January 2018. (AY 2017-18)

**Objective of Expert Talk:**

The EDP cell of Institute addresses the Professional needs of students helping them to become dynamic entrepreneurs. EDP Cell conducts various awareness programmes, like Seminars/Workshops/Interaction with young Entrepreneurs etc. These programmes will be aimed at making the student community more enthusiastic towards entrepreneurial activity. Keeping all the above mentioned snags in view, EDP cell have arranged Seminar in association with Department of Mechanical Engg., MET BKC IO-P on “**Entrepreneurship Development**” to guide, motivate and sensitize Third Year Diploma students of our Institute on entrepreneurship. The basic objectives of this seminar are,

- [1] To make them aware about entrepreneurship as career choice.
- [2] To develop and strengthen entrepreneurial quality.

**Resource Person:** Shri. Devdatta Gokhale, Director, Gokhale Advanced Training Institute (GATI), Jalgaon

**Benefitaries:** All Third Year Diploma Students of IOT-P      **Venue:** IOT-P Seminar Hall

**Coordinator of EDP Cell:** Prof. A P Vadnere, Head of Department, Mechanical Engineering, MET BKC IOT-P, Nashik.      **Coordinators:** Prof. P P Badgajar, Prof. V E Kothawade, Expert Lecture Coordinator.

**Glimpses of Seminar:**

**Seminar on “Entrepreneurship Development”**



**Gokhale's Advanced Training Institute (GATI)** situated at Jalgaon having branches at Akola, Nashik & Pune and successfully completed its four years of establishment. The institute focuses on skills development. Till date, they are successful in training more than 13,000 individuals. They deliver trainings in Industrial Automation, Personality Development, Stress Management, Entrepreneurship & Renewable Energy to the students, faculties and professionals.

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## E-Newsleeter of Department of Mechanical Engineering (Vol. 1 : Issue-2)

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit to “Prakash Techno Plast Pvt. Ltd.”, Ambad MIDC, Nashik on 4 to 5 January 2018.

### Objectives of Visit:

Diploma technician often comes across various types of basic manufacturing processes. He/she is also required to know about various cutting tools, latest improvements in manufacturing processes. Hence it is essential that, he has understanding of basic manufacturing processes, machines, tools and equipments. This idea and following objective will be fulfilled through this Industrial Visit,

[1] To observe and know the different types and properties of plastics with their practical applications

[2] To observe, know and understand the various plastic molding methods like Injection, blow, compression molding.

**Day 1:** 04/01/2018 **Class:** SYME 1 **No. of Students:** 51 **Staff Involved:** Prof. A G Wattamwar

**Day 2:** 05/01/2018 **Class:** SYME 2 **No. of Students:** 53 **Staff Involved:** Prof. B K Khatale

**Day 3:** 11/01/2018 **Class:** SYME S **No. of Students:** 28 **Staff Involved:** Prof. V E Kothawade

**Coordinator of Visit:** Prof. V B Kalmegh, Coordinator of Ind. Visit

### Glimpses of Industrial Visits:

### Visit to “Prakash Techno Plast Pvt. Ltd., Nashik”



**Prakash Technoplast** was established in the year 2013 engrossed in manufacturing and supplying a wide range of Mini Dripper, Micro Sprinkler, Irrigation End Cap, L and T Joiner, Take Off Joiners, Ring Joiner, Lateral and Pepsi Cock, PVC Drill, Dripper Hole Punch, Hole Plug, Pepsi Joiner, Ring Reducer and Rubber Grommet. Under the guidance of mentor and proprietor, Shri. Virendra Lawande (Proprietor), Prakash Techno Plast gained a respectful position in such a short span. He is an ardent learner and keeps innovating through implementing latest technology. On the behalf of Department of Mechanical Engineering, MET-BKC-IOT-P, we would like to thank the Shri. Virendra Lawande, Director of Prakash Techno Plast Pvt. Ltd., Nashik, for allowing us to visit the organization. We would like to thankful to entire team of Industry for sharing their knowledge, and valuable time with us. We found the visit of great value and extremely interesting.

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## E-Newsleeter of Department of Mechanical Engineering (Vol. 1 : Issue-2)

Department of Mechanical Engineering, MET BKC IOT-Polytechnic, Nashik organized an Expert Talk on “Opportunities for Mechnaical Engineer in Government Sector “on 18<sup>th</sup> January 2018. (AY 2017-18).

### Objective of Expert Talk:

Employment of mechanical engineers is projected to grow 5 percent from 2012 to 2022. Job prospects may be best for those who stay informed regarding the most recent advances in technology. Mechanical engineers can work in many industries and on many types of projects in Government as well as private sector. As a result, their growth rate will differ by the industries and organizations that employ them. Keeping all the above mentioned snags in view we have arranged an expert talk on “Opportunities for Mechnaical Engineer in Government Sector” in which, the invited resource person interacted with the Third Year Diploma Students of Mechnaical Engineering about the career opportunities in Government for Mechanical Engineering in the current scenario and the future challenges in the global market.

**Resource Person:** Shri. Dhananjay Kachale, Director, Ignite Academy, Aurangabad, (Ex. Executive Engineer, ONGC, Mumbai). **Benefitaries:** TYME 1 & TYME S Students **Venue:** TYME 1 Class Room (No. 305)

**Duration:** 10.00 am onwards **Coordinators:** Prof. P P Badgujar, Lecturer in Mechnaical Engineering.

### Expert Talk on “Opportunities for Mechanical Engineer in Govt. Sector”



**Prof. A S Buwa**, Lecturer in Mechnaical Engineering (Second Shift) has participated and successfully completed an Faculty Development Training Programme on “Power Engineering” sponsored by MSBTE, Mumbai at “Sanjeevani Education Societies, KBP Polytechnic, Koparagaon” on 05-09 Feb. 2018.

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## E-Newsleeter of Department of Mechanical Engineering (Vol. 1 : Issue-2)

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit to “Maharashtra Engineering Research Institute (MERI), Panchavati, Nashik on 10<sup>th</sup> January 2018.

### Objectives of Visit:

The Maharashtra Engineering Research Institute (MERI) was established in the year 1959. It is the prime institute of Maharashtra state under Water Resources Department. It is entrusted with the work of applied research in various disciplines of civil engineering like soil mechanics, construction material studies, testing, highway, coastal, remote sensing & GIS, seismology, hydraulic model studies, reservoir sedimentation studies etc. It is largely dealing with field problems of applied research pertaining to various projects. Being the state research institute, its jurisdiction is spread over the entire Maharashtra state covering the water resources and public works department. The basic objective of this visit is

[1] To know & observe the Research Institute with its organization Structure.

[2] To know & observe the various testing equipments & facilities available with its working.

**Date:** 10/01/2018 **Class:** SYME 2 **No. of Students:** 53 **Staff Involved:** Prof. A S Patil, Mr. M P Ahire

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

### Visit to “Maharashtra Engineering Research Institute (MERI), Nashik”



**Prof. S A Mandore**, Lecturer in Mechanical Engineering (Regular Shift) has participated and successfully completed Industrial Training to Academics sponsored by MSBTE, Mumbai at “**Measurewel Technovision Pvt. Ltd., Aurangabad**” on 29 Jan-02 Feb 2018.

**E-Newsleeter of Department of Mechanical Engineering (Vol. 1 : Issue-2)**

Department of Mechanical Engineering, MET BKC IOT-Polytechnic, Nashik organized an Expert Talk on “**Biodiversity and Environmental Acts**” on 23<sup>rd</sup> January 2018.

**Objective of Expert Talk:**

Environment essentially comprises of our living ambience, which gives us the zest and verve in all our activities. We are today facing a grave environmental crisis. The unceasing industrial growth and economic development of the last 300 years or so have resulted in huge ecological problems such as overexploitation of natural resources, degraded land, disappearing forests, endangered species, dangerous toxins, global warming etc. It is therefore necessary to study environmental issues to realize how human activities affect the environment and what could be possible remedies or precautions which need to be taken to protect the environment. Keeping all the above mentioned snags in view, we have organized expert talk on “**Biodiversity & Environmental Acts**” for Second year Diploma Students of Mechanical Engineering with following objectives:

- [1] To understand importance of environment and biodiversity.
- [2] To know key issues about environment & biodiversity.
- [3] To understands the concepts and salient features of environmental act.

**Resource Person:** Dr. (Mrs.) Arundhati Deshmukh, Asst. Professor, K K Wagh Science College, Nashik.

**Benefitaries:** Second Year Students of Mech. Engg. **Venue:** IOT-P, Seminar Hall **Duration:** 12.50 pm

**Coordinator:** Prof. (Mrs.) A S Patil, Lecturer- Science Department, MET BKC IOT-P, Nashik.

**Glimpses of Expert Talk:**

**Expert Talk on “Biodiversity and Environmental Acts”**



**Prof. S B Mahale**, Lecturer in Mechanical Engineering (Regular Shift) has participated and successfully completed Faculty Development Training Programme sponsored by MSBTE, Mumbai & Sai Tej Training Centre at “**MET's Institute of Technology-Polytechnic, Nashik**” on 05 March 2018.



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## E-Newsleeter of Department of Mechanical Engineering (Vol. 1 : Issue-2)

Department of Mechanical Engineering, MET BKC IOT-P, Nashik organized an Industrial Visit to “Kadwa Cooperative Sugar Factory, Kadwa”, Tal. Dindori, Dist. Nashik from 17-19<sup>th</sup> January 2018.

### Objectives of Visit:

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 sugar factory.

[2] To study overall plant layout and co generation plant utilization in sugar factory.

**Day 1:** 17/01/2018    **Class:** SYME 1    **No. of Students:** 51    **Staff Involved:** Prof. N O Warbhe

**Day 2:** 18/01/2018    **Class:** SYME 2    **No. of Students:** 53    **Staff Involved:** Prof. S D Sonawane

**Day 3:** 19/01/2018    **Class:** SYME S    **No. of Students:** 28    **Staff Involved:** Prof. A S Buwa

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

## Visit to “Kadwa Cooperative Sugar Factory, Kadwa”



### Specification of Factory:

**Name & Address:** The Kadwa Cooperative Sugar Factory Ltd. Rajarnanagar,  
Kadwa, Tal-Dindori, Dist. Nashik

**Plant Name:** Materewadi

**Plant Make:** WIL

**Milling Plants:** 1 Set of Knivers, Fibrizor, 12 Rollers, Roller Size 850 x 1500 mm

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Department of Mechanical Engineering, MET BKC IOT-Polytechnic, Nashik organized a Seminar on **“Diabetes-Prevention & Management”** for all the Faculty & Staff Members of MET's Institute of Technology on 27<sup>th</sup> January 2018.

**Objective of Seminar:****Seminar on “Diabetes-Prevention & Management”**

Department of Mechanical Engineering MET's Institute of Technology, Polytechnic addresses the health needs of all the faculties helping them to become aware about the diabetes and its consequences. This program will be aimed at making the staff members more enthusiastic towards health and fitness. Keeping all the above mentioned snags in view, we have arranged a Seminar on **“Diabetes-Prevention & Management”** for all faculties of our Institute in association with following objectives;

- [1] To make faculties aware about Health and Fitness.
- [2] To provide information about diabetes and its consequences.
- [3] To understand the importance of diabetes prevention.

**Resource Person:** Dr. Saurabh A Joshi, M.D. Ayurved Physician, Nashik

**Benefitaries:** All the Faculty & Staff Members of IOT-P

**Venue:** IOT-P, Seminar

**Coordinator:** Prof. P R Chandwadkar, Lecturer in Mechnaical Engg. , MET BKC IOT-P, Nashik.



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**E-Newsleeter of Department of Mechanical Engineering (Vol. 1 : Issue-2)**

Department of Mechanical Engineering, MET's BKC IOT-P, Nashik was organized a 2 Days Training Program on **"Entrepreneurship Development & Awareness"** in association with Gokhale's Advanced Training Institute (GATI), Jalgaon & Entrepreneurship Development Cell of MET IOT-P, Nashik on 28 Feb-01 Mar 2018 for all the Third Year Diploma students of Institute.



**2 DAYS TRAINING PROGRAMME ON**

**ENTREPRENEURSHIP AWARENESS AND DEVELOPMENT**



Spread Entrepreneurial Culture and concept of Self Employment among Diploma students

Venue: **IOT-Polytechnic Seminar Hall**      Duration: **28<sup>th</sup> Feb.-01<sup>st</sup> March 2018**

**PROGRAMME OBJECTIVES**

- TO CREATE AWARENESS ABOUT ENTREPRENEURSHIP
- TO PROVIDE PLATFORM FOR ENTREPRENEURSHIP DEVELOPMENT
- TO BUILD CONFIDENCE AMONG STUDENTS FOR "SELF EMPLOYMENT"



**2 Days Training Program on "Entrepreneurship Development & Awareness"**

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The Third Year Diploma students of all branches have a subject “**Entrepreneurship Development** (Sub. Code: 17099)” in their Final semester of Diploma Course. The basic objective of MSBTE to include this subject in curriculum is, to inculcate the entrepreneurial values among Diploma students during their educational tenure which will help the younger generation in changing their attitude and take the challenging growth oriented tasks instead of waiting for white collar jobs. This subject will help to students in developing the awareness and interest in entrepreneurship and create employment for others. Keeping all the above mentioned snags in view, “Entrepreneurship Development (EDP) Cell” of our Institute has arranged 2 day workshop in association with Gokhale’s Advanced Training Institute (GATI), Jalgaon on “**Entrepreneurship Awareness & Development**” for Third Year Diploma Students of our Institute on **28 Feb. – 01 Mar. 2018**.

**Gokhale’s Advanced Training Institute** popularly known as **GATI** situated at Jalgaon having branches at Akola, Nashik & Pune and successfully completed its four years of establishment. The institute focuses on skills development. Till date, they are successful in training more than 13,000 individuals. They deliver trainings in Industrial Automation, Personality Development, Stress Management, Entrepreneurship & Renewable Energy to the students, faculties and professionals.

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Following students of Prefinal & Final year Diploma in Mechanical Engineering was attended Inplant (Vacation) training at various renowned industries & organization in Nashik & nearby Nashik city. Here we mention few of them.

**Inplant/Industrial Training Attended by Students**

S.N	Name of Student	Training Organized by	Duration
1	Mogal Shubhangi S	M D Industries, Ambad MIDC, Nashik	Summer Vacation 2017
2	Gavale Prasad V		
3	Borade Priyanka P		
4	Gawai Ajay V	HAL, Ojhar, Nashik	Summer Vacation 2017
5	Bhoye Vicky P		
6	Mandlik Gaurav N		
7	Mate Deepali V		
8	Dongare Ashwini N		
9	Devkar Ajay S	Ensons Gauges & Tools Pvt. Ltd., Mumbai	Summer Vacation 2017
10	Bhavar Anjali S	Ekveera Industry, Ambad MIDC, Nashik	Summer Vacation 2017
11	Pawar Hrutik H	Reliable Thermocraft Ltd., Ambad MIDC, Nashik	Summer Vacation 2017
12	Sonawane Yogesh D		
13	Hagwane Ganesh C		
14	Shinde Rohit J		
15	Jagtap Yash S		
16	Total 35 Nos. of SYME 1 & 2 Students	Department of Mechanical Engineering, MET BKC IOT-P & Nashik Engineering Cluster, Nashik	Summer Vacation 2017
17	Total 54 Nos. of TYME 1 & 2 Students	Department of Mechanical Engineering, MET BKC IOT-P & Nashik Engineering Cluster, Nashik	Summer Vacation 2017
18	Total 05 Nos. of SY & TYME	HAL, Nashik	Summer Vacation 2017
19	Total 03 Nos. of SY & TYME	M D Industries, Ambad MIDC, Nashik	Summer Vacation 2017

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## Students Placment Records (AY 2017-18)

S.N.	No. of Student Selected	Organization where selected	Year of Placement	Class & Year
1	12 Nos. of Students	Bosch India Ltd. Pune	March 2017	TYME (0776)
2	02 Nos. of Students	Bosch India Ltd. Pune	March 2017	TYME S (1636)
3	Shelar Akash	Thyssenkrupp Rothe Erde, Igatpuri	May 2017	TYME (0776)
4	More Sagar	Thyssenkrupp Rothe Erde, Igatpuri	May 2017	TYME (0776)
5	Gawali Shubham	Thyssenkrupp Rothe Erde, Igatpuri	May 2017	TYME (0776)
6	Thombre Dattatraya	Thyssenkrupp Rothe Erde, Igatpuri	May 2017	TYME (0776)
7	Katare Kunal	Thyssenkrupp Rothe Erde, Igatpuri	May 2017	TYME (0776)
8	Borade Akash	Thyssenkrupp Rothe Erde, Igatpuri	May 2017	TYME (0776)
9	Sonawane Vishal	Thyssenkrupp Rothe Erde, Igatpuri	May 2017	TYME (0776)
10	Kharche Pratik	Thyssenkrupp Rothe Erde, Igatpuri	May 2017	TYME S (1636)
11	Pathak Tanmay	Thyssenkrupp Rothe Erde, Igatpuri	May 2017	TYME S (1636)

## Summary of Final Year Project Allotment for AY 2017-18

## Categoriwise Project Summary Sheet

S.N.	Project Categories	TYME 1	TYME 2	TYME S	Total
1	Industry Sponsored	00	05	03	08
2	Industry Based	02	04	02	08
3	Laboratory Development	02	01	00	03
4	Literature Based	00	00	00	00
5	Social Relevant	00	01	01	02
6	Application Based	02	01	02	05
7	Others	05	00	02	07
<b>Total</b>		<b>11</b>	<b>12</b>	<b>10</b>	<b>33</b>

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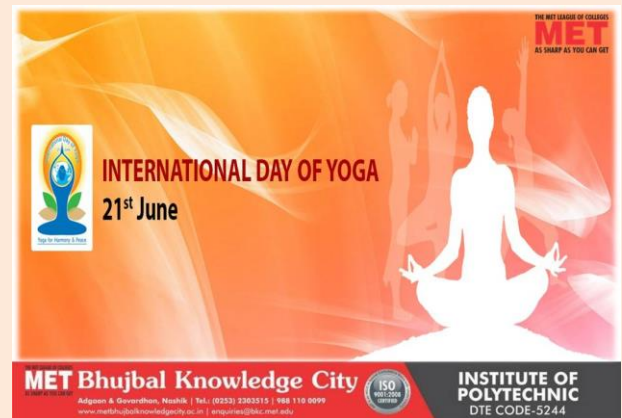
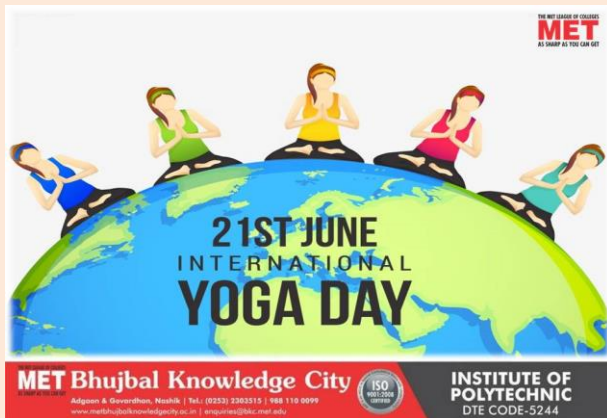
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*Gavale Prasad, Raut Umesh, Deore Pankaj, Mandalik Gaurav, Dongare Ashwini*, Third Year Diploma Students of Mechanical Engineering (TYME 1) has participated and bag *“Third Prize”* in A National level Project Competition *“MECHAZZMO-2018”* organized by SVIT COE, Chincholi, on 14-15 February 2018 under Guidance of Prof. U S Kolhe.



Bhujbal Knowledge city, MET's Institute of Technology (Polytechnic), Department of Mechanical Engineering organized *“Yoga Day-2018”* on 21<sup>st</sup> June 2018.

**Yoga Day-2018**



**Program Specific Outcomes**

<b>PSO 1</b>	Modern Software Usage
<b>PSO 2</b>	Equipment and Instruments
<b>PSO 3</b>	Mechanical Engineering Processes

## The inspirational story of Beno Zephine! India's First Blind IFS Officer



**Beno Zephine** (Beno means daughter of God and Zephine means hidden treasure) is 25 and she made history when she became India's first 100 per cent visually challenged person to be inducted into the country's elite Indian Foreign Service (IFS). She secured **343<sup>rd</sup> rank** in the 2013-14 **Civil Service examination**, but had to wait for a year for her appointment, as the government worked out the rules to accommodate her. Smiling, confident, with strong views on everything, expressed in a strong voice, Beno Zephine is a probationary officer with the State Bank of India currently. She lives with her father Luke Anthony Charles who works with the Railways and her mother, Mary Padmaja, a homemaker. Her only brother, Bruno Xavier, works as an engineer in Canada.

### Her Message to youngsters:

- [1] Instead of moaning about what you do not have, **use the resources we have**. Then, those resources will create further resources.
- [2] Challenges do come, but face them and **devise your own strategies**.
- [3] Understand your strengths and weaknesses, only then will you be able to **strengthen your strength and weaken your weakness**.
- [4] It is very important to read newspapers and understand what your country is doing. **If you do not do that, you do not have the right to criticize the country.**



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## Student's Corner



**Hanmante Ninad P**  
FYME 1 (AY 2017-18)

### "Smart Materials"

Smart Materials also called as intelligent or responsive materials, are designed materials that have one or more properties that can be significantly changed in a controlled fashion by external stimuli, such as stress, temperature, moisture, pH, electric or magnetic fields, light, chemical compounds, etc. E.g. Shape-Memory alloy and Shape-Memory Polymers are materials in which large deformation can be induced and recovered through temperature changes or stress changes (pseudoplasticity). The shape memory effect results due to respectively martensitic phase change and induced elasticity at higher temperature.

**Hanmante Ninad P -FYME 1 (AY 2017-18)**

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

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

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

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Informative Articles may be sent to:

**[meh.spandan@gmail.com](mailto:meh.spandan@gmail.com)**