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## Editorial Board

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THE MET LEAGUE OF COLLEGES

**MET**  
AS SHARP AS YOU CAN GET

## POLYTECHNIC

### Wishing

All the best to  
10<sup>th</sup> & 12<sup>th</sup> std  
Students  
&  
**Happy  
Holi**

## Inside

- Faculty Speaks
- Parent's Meet
- Expert Lectures
- Student's Reviews
- Industrial Visits
- Workshops
- Campus Placements



### From Principal's Desk...

Deal All, Greetings from MET Institute of Polytechnic!

"Education is not about studying, Education is about learning".

It is my proud privilege to welcome you all to MET Institute of Polytechnic, Bhujbal Knowledge City Nashik. This Institute has been playing a pivotal role in shaping the careers of aspiring students through creation of generations of thinkers & dreamers of tomorrow.

A good teacher enables a student to understand, whereas a great teacher enables a student to realize. It is only when students go through the cycle of studying, understanding and realizing; they become good professionals and great human beings. In MET Institute of Polytechnic, we take immense pride in the fact that our students receive the highest quality of diploma engineering education. This is facilitated by paying utmost importance to teaching quality and practical learning. Our excellence is not just confined to the classroom; we are also notably active in conducting conferences, workshops, seminars, guest lectures and other co-curricular activities. These activities expose students to aspects beyond the curriculum, thus adding value to their professional success. The magnificent infrastructure of MET-Polytechnic sets the right ambience for excellent teaching-learning environment via use of best of the technologies. These technologies have been tremendously successful in facilitating a highly effective learning environment.

At MET Institute of Polytechnic, we understand that the need to teach beyond curriculum so as to make our students 'industry ready'. Recent observations made by many stalwarts in the industry indicate the fact that a majority of Diploma Engineering Students out of institutes are not employable. MET Institute of Polytechnic has always been in the forefront in ensuring that students are employable.

To overcome this shortcoming, MET-Polytechnic started a dedicated EDP Cell which help to create an awareness of need and importance of Entrepreneurship as career option among students. The participants are given exposure to various aspects of entrepreneurship during the programme period with help of both in house and guest faculties.

Consequently Considering the fact Skills and knowledge are the motivating force of the financial growth and community development of any country. They have become even more important given the increasing pace of globalization and technological changes provide both challenges that are taking place in the world, MET Polytechnic has started a training centre of PMKVY unit to create a pool of skilled youth in the Nashik region.

For a last decade of excellence, MET Polytechnic has been associated with quality education. It is the well acknowledged feature of our education system which incorporates curricular, co-curricular and extra-curricular learning making MET Institute of Polytechnic an excellent institute of diploma engineering education!

Atlast I convey my best wishes to all and I am confident that the right academic ambience prevailing at the MET Institute of Polytechnic will make learning a delightful experience for you.

- Dr. R. S. Narkhede, Principal,

e-mail : principal\_jot@bkc.met.edu | M.: 7507776781

## Mumbai Educational Trust

### Our Vision

To shape professionals, to conquer the present and future challenges to the socio-economic fabric of our society, by institutionalizing search, development, research and dissemination of relevant knowledge through structured learning systems

### Our Mission

To evolve, develop and deliver dynamic learning systems to equip professionals with conscience and commitment to excellence and courage to face business challenges.

### Our Inspiration

Mahatma Jyotiba Phule  
(1827 - 1890)Shrimati Savitribai Phule  
(1831 - 1897)

विद्येविना मती गेली । मतीविना नीती गेली ।  
नीतीविना गती गेली । गतीविना वित्त गेले ॥  
वित्ताविना शुद्ध खचले ।

इतके अनर्थ एका अविद्येने केले ॥

Lack of knowledge leads to indiscretion; Indiscretion leads to lack of ethics. Lack of ethics leads to absence of direction and momentum; Absence of direction and momentum results in bankruptcy. Such is the HAVOC caused by the lack of knowledge.

- Mahatma Jyotiba Phule

### Our Faith

न चौर हार्यम् नव राज हार्यम् ।  
न भातृभाज्यम् नच भारकारी ॥  
व्यये कृते वर्धते एव नित्यम् ।  
विद्याधनं सर्वधन प्रधानम् ॥

Knowledge can neither be stolen by a thief, nor snatched by a king. It is indivisible unlike ancestral property, it never burden the bearer, it multiplies manifold when offered to others. Knowledge is the supreme form of wealth.



**Editorial Speaks**

**Undergraduate Research: Importance, Benefits, and Challenges**



**Dr. Anil Kokate**  
HOD, First Year

Developing and maintaining undergraduate research programs benefits students, faculty mentors, and the entire Institute. Incorporating a research component along with a sound academic foundation enables students to develop independent critical thinking skills along with oral and written communication skills. The research process impacts valuable learning objectives that have lasting influence as undergraduates prepare for professional

service. Faculty members at teaching intensive institutions can enhance learning experiences for students while benefiting from a productive research agenda. The university in turn benefits from presentations and publications that serve to increase visibility in the scientific community. Whether projects are derived through student-generated or mentor-generated means, students benefit from completion of exposure to the hypothesis-driven scientific method.

Further benefits to the student have been reported and disseminated from the SURE study (Survey of Undergraduate Research Experiences). Undergraduate students who completed a mentored research program identified multiple areas from which they benefited. Of interest to us as advisors of an undergraduate research curriculum were the following items, which were reported as being positively impacted by the research experience

- Understanding the research process
- Understanding how scientists work on problems
- Learning lab techniques
- Developing skills in the interpretation of results
- The ability to analyze data
- The ability to integrate theory and practice

However, participation in an undergraduate research experience also benefited students in areas that can reach beyond academia

- Having tolerance for obstacles
- Learning to work independently
- Understanding how knowledge is constructed
- Self confidence
- Understanding that assertions require supporting evidence
- Clarification of a career path

(These benefits persisted after a 9-month follow-up survey, suggesting some lasting changes in undergraduates' perceptions of the value of research)

As faculty, we believe the research experience is extremely valuable for our students. It provides multiple benefits to students and faculty, as described above. However, those that have mentored research projects know it can be a trying or frustrating experience at times. Therefore, it is particularly gratifying to hear our students speak positively about the research process. One student reported last year, "I am really glad that I had the opportunity to complete a research project. It is an excellent tool for learning how to perform research, but also it has taught me skills I can use to complete any task." For our purposes, this may be the primary goal of undergraduate research: students learn how to perform research, but they also learn problem-solving skills that translate to arenas beyond the classroom or laboratory.

- Dr. Anil Kokate

**Faculty Speaks Communication Engineering-Communicating Technology**



**Prof. Sujata Avhad**  
HOD, E&TC

The term "Electronics and Communication Engineering" is a broad engineering field that covers sub fields such as analog electronics, digital electronics, consumer electronics, embedded systems, communication systems and power electronics. Electronics engineering includes implementation of applications, principles and algorithms developed within related fields such as solid-state physics, radio engineering, telecommunications, control systems, signal processing, systems engineering, computer engineering, instrumentation engineering, electric power control, robotics, and many others.

The availability of affordable means of communication has been one of electronics' greatest contributions to the human society. The telephone, the radio, satellite communications, the internet, the mobile phone each new development has changed drastically the way we live and the way we think about our world. New technologies continuously emerge, with 4G mobile phones offering the possibility of real-time high quality video. DSL and broadband wireless systems provide many times the capacity of modems bringing increased amount of information into our homes. Advanced wavelength-division multiplexing schemes, provides vast reductions in the cost of long-distance data transmission. Fourth generation systems will unify all these technologies and users will be able to receive and transmit anything, at any time, from anywhere.

All these developments have been implemented due to advances in communication technology, new protocols and coding schemes, new ways to represent video, images and speech as data, new means of delivering this information to users via cable, fibre, radio waves. Unlike most developing countries, India is expected to gain from the 'emerging Digital Economy'.

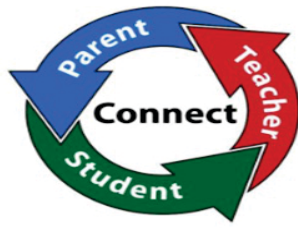
The Govt of India has set up several autonomous organisations, as given below, to address the requirements of different sectors of Electronics in a focussed manner: Centre for Development of Telematics (C-DOT); National Informatics Centre (NIC); Centre for Development of Advanced Computing (C-DAC); Computer Maintenance Corporation Ltd.; Standardisation, Testing & Quality Certifications (STQC) Directorate; Controller of Certification Authority(CCA); National Centre for Software Technology (NCST); Society for Applied Microwave Electronics Engineering and Research (SAMEER); ERNET Society; DOEACC Society; Centre for e-Governance; Centre for Electronics Design and Technology of India (CEDTI); ET&T; Electronics and Software Export Promotion Council; Technology Development Council; National Radar Council; National Photonics Council; Electronics Materials Development Council.

These organisations play a major role in training and development of human power for electronics industry. In addition, they help and guide the electronics industry by providing infrastructure, policy support, design, consultancy, training, testing, accreditation, market support, and are also actively involved in R&D activities in their specific areas. The Government supports and funds technology development through councils set up in various fields. Major areas where significant success has been achieved, are as follows:

An electronic engineer can find a job in Consumer electronics manufacturing organisation, Telecommunication & IT industries, Health care equipment manufacturing, Mobile communication, Internet technologies, Power Electronics, and other industries like steel, petroleum and chemical industry, directing control and testing production process. They may also work with computers and electronic equipment in the medical, manufacturing, industrial control, telecommunications, aeronautical and military fields.

Prof. Sujata Avhad





## Parents Meet

For improving the overall performance of students, parent's-teacher's meet plays an important role and will help the parents to know about their wards academic performance and their problems. Through this parents meet, parents come to know the behavior of their wards also. As we observed, these days' teacher and parents do not come in contact with each other. Parents also do not know the teacher. Both should meet each other on some occasions. Parents are busy in their professions. They do not find time to visit the college and take interest in wards progress.

Keeping all the above mentioned snags in view, we are arranged a Parent Teacher Meet of all the departments in the institute.

### First Year Induction - Parents' Meet 2017

To promote understanding and Friendship between Teachers and Parents of First Year students and

To work jointly for progress of the student, A FY Induction cum Parent meet was held in the Polytechnic Institute in the month of September at IOT-Polytechnic Seminar Hall.



Honorable Principal, Dr. R. S. Narkhede addressing the Parents Meet.



Dr. Anil Kokate appreciating the award Winning student.

## Department of Computer Engineering, Parents Meet

To promote Understanding and Friendship between Teachers and Parents and to share academic progress and Growth based on teacher's observations, a parent meet was organized by the department of Computer Engineering in the month of August.



Honorable Principal Dr. R. S. Narkhede addressing the Parent meet.



Parent - Teacher Interactive Session

## Department of Civil Engineering Parents Meet

A joint parent meet for the class SY and TY was conducted in the month of September at Department of Civil

Engineering Institute of Polytechnic. Principal Dr. R. S. Narkhede addressed this program on academic progress of the students.



Parents while discussing the progress of their ward with subject teachers during the Parent meet program



**Department of Mechanical Engineering,  
 Parents Meet**

A Parent meet was held to discuss the academic progress of students and efforts made by Department for improvement and to invite the parent's members for sharing their views and know their viewpoints also to explain the college educational policies to the parents and to appreciate the efforts of students achievers (Toppers) for their Academic Success.

This activity was hugely responded with presence of parents



Welcome Note by Prof. S S Shelkar



Prof. Amol Vadhere (HOD Mech Department) delivering Wel-Come Speech



Students Appreciation Ceremony  
 Coordinated by: Prof. S A Mandore & Prof. U S Kolhe



Khedkar Shrushti (FYME 1) Secured 87.88 %, receiving an Award with her parent by the hands of Principal Dr. R.S. Narkhede



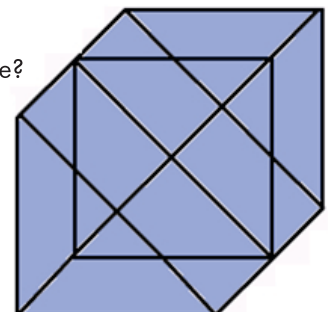
Key Note Address by Dr. R S Narkhede,  
 Hon. Principal, MET BKC IOT-P



Parents-Teachers Discussion Along with Class Coordinators and subject teachers regarding Academic Performance of their Wards and future plans for improvements

**Mind Refresher**

**Q :** How many triangles can you count in the given picture?



Answer : In next issue  
 Last Puzzle Ans : 3



## CSR Activities

CSR Cell of MET BKC IOT-P, Nashik, observed Van Mahotsav 2017 in association with Forest Department, Nashik on 1st July 2017

**Trees plantation** drive on 1st July 2017 was held at the Kakad Mala, Makhmalabad, Village by MET BKC IOT-Polytechnic in association with Divisional Forest Office (DFO) where avenue plantation drive both sides of road was covered up.

On this occasion Diploma students are held awareness campaign on local level to promote free circulation of trees, forest conservation, conserves soil deterioration, etc.



Students engrossed in a beautiful Tree Plantation activity

### Van Mahotsav 2017

वन महोत्सव



CSR Cell of MET BKC IOT-P, Nashik celebrated Van Mahotsav 2017 (1st July- 07th July 2017) in association with Adgaon Police Rural Head Quarter, Nashik on 1st July 2017



Students and Staff of IOT-P Gathered for Tree Plantation during the Van Mohotsav

## वाचन प्रेरणा दिवस

Celebration of 13th October 2017 as "Vachan Prerna Din" in the memory of India's former President and Great Scientist Late Dr. APJ Abdul Kalam's Birth Anniversary



Book Exhibition - Inaugural Ribbon Cut by the hands of students of Polytechnic in Presence of Honorable Principal Dr. R. S. Narkhede and other dignitaries from the polytechnic Institute.



A Moment at "Vachan Katta" - Polytechnic Library

## प्रधानमंत्री कौशल्य विकास योजना २०१७-१८

### विनामुल्य प्रशिक्षण व रोजगाराच्या संधी

भारत सरकारच्या प्रधानमंत्री कौशल्य विकास योजने अंतर्गत खालील अभ्यासक्रमांसाठी पात्र उमेदवारांकडून अर्ज मागविण्यात येत आहेत.

### मेट, इन्स्टिट्यूट ऑफ टेक्नॉलॉजी पॉलीटेक्निक

| अ.नं. | अभ्यासक्रमाचे नाव                      | उपलब्ध जागा | किमान पात्रता   |
|-------|----------------------------------------|-------------|-----------------|
| १     | वेल्डिंग अँड क्राॅलीटी टेक्निशियन      | २५          | १० वी पास       |
| २     | ड्राफ्टसमन मेकॅनिकल                    | २५          | १० वी पास       |
| ३     | सी.सी.टी.व्ही. इंस्टॉलेशन टेक्निशियन   | २५          | १० वी पास       |
| ४     | डॉमेस्टीक डेटा एन्ट्री ऑपरेटर          | २५          | १० वी पास       |
| ५     | लेथ ऑपरेटर                             | २५          | ०८ वी पास       |
| ६     | मोबाईल फोन हार्डवेअर रिपेअर टेक्निशियन | २५          | ०८ वी पास       |
| ७     | डॉमेस्टीक आयटी हेल्पडेस्क अटेंडंट      | २५          | १२ वी प्राधान्य |

#### -: वैशिष्ट्ये :-

- \* गुणांची आणि वयाची अट नाही
- \* पूर्ण विनामुल्य प्रशिक्षण
- \* माध्यम मराठी व इंग्रजी
- \* पास विद्यार्थ्यांना नोकरीस सहाय्य
- \* भारत सरकारचे प्रमाणपत्र
- \* मशीन प्रॅक्टिकलस
- \* सुलभ प्रवेश प्रक्रिया

#### अर्ज वितरण, स्वीकृती व अधिक माहितीसाठी संपर्क

श्री. सुनिल मंडोरे (यंत्र विभाग) श्री. अनिल गोसावी (अणु विद्युत विभाग)  
मो. +९१ ८००७७६९५० मो. +९१ ९९२२३३६३७९

#### -: नोंदणीसाठी अत्यावश्यक कागदपत्रे :-

१.तीन पासपोर्ट फोटो २.आधार कार्ड ३.पात्रतेचे मार्कशीट

#### -: प्रवेश प्रक्रिया :-

१. प्रथम येणाऱ्यास प्राधान्याने प्रवेश देण्यात येईल.

### प्रधानमंत्री कौशल्य विकास योजना

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enquiries@bkc.met.edu | www.metbhujbalknowledgecity.ac.in





## Institute - Industry Training Programs

### Expert Lectures

#### Department of Mechanical Engineering Expert Lectures on

#### “Introduction to Basic Electronics & Its Applications”

To build interest in Electronics and boost their confidence and to improve the knowledge of electronics components for skillful practical's, Project work, an expert lectures is conducted for SYME students by Shri. S. P. Gawade, Certified Energy Auditor & Director, M/s Gawade Electricals, Nashik.



Students attending the Expert lectures on Basic Electronics

#### Department Of Information Technology Guest Lecture on HTML and PHP languages

Guest Lecture on HTML and PHP languages for the web application development was arranged for TYIF and SYIF Students of IT Department. Mr Madawawade was an expert speaker for this guest lecture



Participants during the Guest Lecture on Web Application Development

#### Department of Civil Engineering, seminar on “Soft skills and Industrial Requirements”

To meet Industrial Professional Requirements, Conflict Resolution and Leadership a expert lecture was arranged for TYCE students) in association with JMN InfoTech. Pvt. ltd, Nashik

Mr. Abhishek R. Nikam, JMN InfoTech.pvt.ltd, Nashik. conducted this lecture. during the program he delivered smart tips on Softs Skills & present Industrial Requirement



Expert delivering a lecture on Personality development

#### Department of Electrical Engineering,

#### Expert Lecture on “Recent Trends in Electrical Power Generation”

To understand the principle and operation of power generation and to know various developed techniques in Thermal Power Generation, An Expert lecture was arranged for First and Second Year Electrical Students at IOT Seminar hall.

This lecture was conducted by Mr. Abhijit Borade, Assistant Engineer at MSEGCL, Eklahra, Nashik.



Mr. Abhijit Borade Delivering a lecture on Recent Trends in Power Generation

#### Department of Mechanical Engineering, Expert Lecture on

#### “Introduction to CNC Programming”

Department of Mechanical Engineering arranged Expert Talk on “Introduction to CNC Programming” for Third Year Diploma students of Mechanical Engineering

Topics included were Introduction about CNC Technologies, Part Programming, Geometric dimensioning and Tolerances, Setup CNC machine for operation and Basic practice on CNC machine in context with industrial applications which gives real industrial knowledge to the attendees.



Prof. Jalees Ahemad, Assistant Professor, SRES College of Engineering, Kopergaon



**Department of Civil Engineering,  
a seminar on "Software for Drafting"**

To draw a plan, elevation and section by drafting and different command required for drafting, a expert lecture was conducted by Mr. K.L.Ramesh, EDP CAD Center, Nashik for TYCE students.



Mr. K. L. Ramesh, CADD Center Nashik, guiding TYCE students on Drafting Software.

**All Departments of IOT-P  
a joint Seminar on  
"Awareness of Fire & Industrial Safety"**

To curb the adverse impact of industrialization and create awareness of Industrial & Fire Safety. Department of Mechanical Engineering, MET BKC IOT-P had organized a seminar on "Awareness of Fire & Industrial Safety" in association with Environment Health Safety (EHS) Institute, Nashik for Third Year Diploma Students in Mechanical, Civil & Electrical under the guidance renowned Resource Person: Shri. Amol Raundal, B.E. (Chemical), PMS, ADIS&SM, ADIS, Director of EHS Institute, Nashik



All branch third year students attended this Fire and safety management session.

**Entrepreneurship Development Cell (EDP)  
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.

Inaugural ceremony by the hands honorable Principal Dr. R.S. Narkhede, HOD Prof Amol Vadnere and Resource Person Shri. S A Kedare, (IES) Ex. Deputy Director, Office of Textile Commissioner, Government of India. And TYME Students



**Department of Mechanical Engineering,  
Expert Talk on  
"Personality Development & Motivation"**

To learn the expressions regarding Positive attitude towards life. And to develop leadership qualities of students through self-motivation techniques. MET IOT-P conducted a "Personality Development & Motivation" on 14th September 2017 for SYME and TYME students guided by Shri. Pratap Singh Pardeshi, HRD Consultant, Sr. Socialist, Educationalist from Pune.



Prof. Amol Vadnere Introducing the chief guest.

*It's impossible to explain  
creativity. It's like asking a bird,  
'How do you fly?' You just do.*

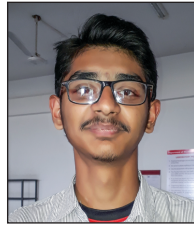
*- Eric Jerome Dickey*



## Student's Reviews



**Shrushti Khedkar**  
SY Mech. Engineering



**Manav Joshi**  
SY Mech. Engineering

### A brief review on "Plastic Moulding Techniques"

Khedkar Shrushti P, Joshi Manav V, Second Year Diploma Students in Mechanical Engineering, MET's Institute of Technology (Polytechnic), Nashik.

#### 1. Introduction to Plastic Moulding:

Plastic moulding is the process of shaping plastic using a rigid frame or mould. The technique allows for the creation of object of all shapes and sizes with huge designs. A popular manufacturing option, plastic moulding technique is responsible for many car parts, containers, signs and other high volume terms.

#### 2. History of Plastic Moulding:

The plastic moulding has seen steady growth since the beginnings of the 1800's. The technique has evolved from the production of combs and buttons to major consumer, industrial, medical and aerospace products. In 1868, John Wesley Hatty invented a way to make billiards balls by injection celluloid mould. In today's manufacturing environment plastic are being used to make everything from automotive body parts to human body parts. These articles provide a brief overview of the different types of moulding and their advantages.

#### 3. Different Plastic Moulding Techniques:

The underlying concept of plastic moulding is placing liquid polymer into a hollow mould so that the polymer can take its shape, often with various ranges of pressure and heat required. There are different plastic moulding technique available to accomplish this including rotational moulding, injection moulding, blow moulding and compression moulding to benefits and is best suited for the creation of specific item.

#### 4. Processes of Plastic Moulding:

**1) Blow Moulding** - This process follows the basic step found in glass blowing. A parison (heated plastic mass, generally a tube) is inflated by air. The air pushes against the mould to form the desired shape. Once cooled the plastic is ejected. The blow moulding process is designed to manufacturing high volume, one-piece hollow objects. Blow moulding creates very uniform, thin walled containers. And it can do it very economically.

*(Well suited for hollow objects like bottles)*

**2) Compression Moulding** - A heated plastic material is placed in a heated mould and is then compressed into shape. The plastic can be bulk often comes in sheet. The heating process, called curing, insures the final part will maintain its integrity. As with other moulding methods, once the part has been shaped, it is then removed from the mould. If sheeting plastic material is used, the material is first trimmed in the mould before the part is removed.

*(Well suited for large objects like auto parts)*

**3) Extrusion Moulding** - While other forms of moulding uses extrusion to get the plastic into a mould, this process extrudes the melted plastic dire into a die shape, not a mould, determines

the shape of the final product. The extrude tubing is cooled and then can be cut or rolled for shipment.

*(Well suited for long hollow formed application like tubing, pipes and straws)*

**4) Injection Moulding** - Injection moulding is far the most versatile of all moulding technique. The processes used in this process vary in size and are rated base on pressure and tonnage. Larger mouldings can make car parts. Smaller mouldings make precise plastic part for surgical applications.

*(Well suited for high quality, high volume part manufacturing)*

#### 5. Advantages and Disadvantages of Plastic Moulding

##### Advantages -

- This process is highly accurate.
- It is cost saver, in a number of ways.
- It is highly flexible.

##### Disadvantages -

- High start-up cost.
- Long lead time.
- Difficult to modify.

#### 6. Conclusion:

Each type of moulding process has its strength and weaknesses. Designers and engineers need to understand these differences and the production option available. There are always several approaches available to a final manufacturing solution. The moulding company who consults on a specific project should be able to provide additional insights into the application and material that are best suited to an individual project.

**Courtesy:** Industrial Visit of Second Year Mechanical Students to "Prakash Techno last Pvt. Ltd.", Ambad MIDC, Nashik in First Week of January 2018. Following objectives 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 moulding methods like Injection, blow, compression moulding with its practical applications.

#### Acknowledgements:

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.

### "Is Westernization Threat To Indian Culture?"



**Sakshi P. Sawale**  
SY Elect. Engineering

Indian culture has been changing over the past few years due to threat of western culture. In that there is major part of social media and smart Phones. I accept that because of the social media and smart phones our life has become easy and faster but in that speed we have not realized where we have lost our cultures.

Modernization involves transformation in beliefs about the way material world functions westernization requires an alteration in cosmological view point about how one should live their life changes are being all areas including religion, dance, music mostly found in bollywood films. The future of India i.e. our young generation copy things as shown in movies, therefore students are mostly focus on styles, dressing and modern life styles.

The westernization of India has greatly affected the traditions,

customs and family values. Today the respect for others has greatly decreased throwing away the traditional humanity of people. Idea of joining families is decreasing and families want to remain separate from each other.

However I do believe that modernization of India is good thing. Even though the Indian people have improve their way of life their principles and beliefs have remain constant. A person can alter their clothes or the foods they eat, but their deep understanding and commitment to the will have never taken them away. The biggest age group moving towards westernization is teenagers. Indian culture is disappearing in their lives.

Indian culture is one of the oldest and richest cultures in world today modernization and traditions, customs, and family values that were once predominant in traditional Indian culture. However the people of India are still holding to their traditional side by blending in a new modern era.

**Sakshi P. Sawale**

Student -Electrical Engineering

**My Journey at MET**



**Ritik Agrawal**  
(TYCE)

My journey in MET is really fabulous. I never ever have seen such a stunning campus in my life. I had en-number of expectations in my mind. I had heard a lot about MET and faculties of MET, When I started journey they all proved real.

My journey started at platform (class) no.504B of first year. There were many aims and goals which I had to achieve. Right in first

year our professors introduced the reality that a man is called perfect, when he is versatile. The personality who said this is Dr. Anil Kokate Sir

I undergone my first State level Paper-presentation competition, but I could not perform well. But my goals were definite, after few months, I participated in Debate competition and I bagged the 2nd position. In second year my participation in MSBTE's Paper-presentation competition took me to the "BEST PAPER AWARD" and in the same year I stood 1st in Debate competition held in 'Utsav17'.

In final year, I was worried about my academics at that time our HOD Prof. B. S. Dhande and Principal Dr. R. S. Narkhede guide us a lot. I worked with my team a lot for our final year project as well as academics.

This semester I participated in three project competitions and I stood 2nd in one, while 1st in other two. I also participated in Two Paper-presentation competitions and I stood 1st in both. The major achievement until now is 1st position in National Level Project Competition and the ball is still rolling.

I would just say, if any one wants to be best he should be perfect in all circles i.e. academics as well as extras. I am very thankful to Dr. R. S. Narkhede, Dr. Anil Kokate, Prof . B. S. Dhande for motivating me, guiding me and providing support. I am also thankful to all my professors for teaching me each and every concept practically. Today when I look back, I observe the change in me in this 3 years, I realize how MET's BKC had played a vital role in my life.

"I have promises to keep and miles to go before I sleep" – Robert Frost

- Ritik Agrawal  
(TYCE)

**Industrial Visit**

**Department of Electronics and Telecommunications Engineering, Industrial Visit to "BSNL, RSU, Adgaon, Nashik"**

E&TC Students recently visited BSNL office, Nashik so as develop interest and to enhance practical knowledge of latest Communication Technology and to study mobile base station working and observe types of connections of Landlines with multiplexing and Demultiplexing techniques used in the BSNL network and fiber optic cable.



E&TC students and their staff at BSNL Campus.

**Department of Computer Engineering Industrial Visit at "eLuminous Technologies", Ambad.**

To Make Students aware with Industry Practices Third Year Computer Engineering Students have visited "eLuminous Technologies", Ambad recently.



Prof. Keshav Khinde (HOD Computer Engg.) with Students at E-Luminous Technologies, Nashik

**Department Of Civil Engineering Industrial Visit At Vaitarna Dam, Igatpuri Nashik**

Considering the Importance and Necessity of Dam and To Study of Various Component Parts of Dam, Drainage Gallery TYCE students visited the Vaitarna Dam at Igatpuri, Nashik in the month of Sept 2017.



Students of Civil Engineering at Vaitarna Dam, Igatpuri, Nashik



**Electrical Engineering Department  
 Industrial visit to "Traction Motor Workshop"  
 at Eklahere, Nashik**



Electrical Engineering Students along with the officials of Traction Machine Workshop, Nashik.

**Department of Mechanical Engineering  
 Industrial visit at Nashik Engineering Cluster, Nashik**



Students of SYME recently Visited at NEC, Nashik and received the practical knowledge of various heat treatments used in the Industries

**Department of Information Technology  
 Visit to prestigious- Techfest Event IIT, Powai**



Third year Info. & Tech. students along with their Staff

**Department of Electronics and  
 Telecommunications Engineering,  
 Industrial Visit to "Sivanand Electronics, Nashik"**

To study the various testing and measuring of electronics instruments like liquid insulators, solid insulators, Copper wires Capacitors, Transformers, cables and security systems, department of E&TC –TYEJ student visited Sivanad Electronics, Nashik in the month of August 2017.



Prof. N. M. Sonawane along with SYEJ students at Sivanand Electronics

**Department of Information Technology**

Industrial Visit of Information Technology- Second Year and Third Year students recently visited at Sunanda Industries, Nashik



IT Students at Sunanda Industries, Nashik

**Department of Mechanical Engineering,  
 Industrial Visit At "MSRTC Divisional Workshop,  
 Peth-Dindori Road, Nashik**

Considering following benefit to Mech. Engg. Students an Industrial Visit was conducted for Third year students at MSRTC Divisional Workshop, Nashik :

- To study the organization structure of MSRTC, Divisional Workshop.
- To observe, identify and understand the various automobile systems and components used in MSRTC buses.
- To observe and study the Hydrometer testing, cell testing of Battery and alternator tests.
- To observe & understand the working various automobile electrical systems and maintenance practices used in MSRTC Workshop.

**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.



Students of Mech. Engg. at ST Workshop, Nashik during their Industrial Visit

**Department of Electrical Engineering  
 Industrial Visit at Popular Switch Gear Industry,  
 Gonde, Nashik in the month of July 2017**



Experts Describing the operations of Switch Gear to Third Year Electrical Engineering Students

**Workshops**

**Department of Mechanical Engineering,  
 Three Days Workshop on  
 "Enhancement in Basic Electronics & Its Application"  
 in association with M/S Gawade Electricals, Nashik  
 From 21-23 August 2017.**

"Basic Electronics & Mechatronics" is an important subject classified under core technology group for Second Year students of Mechanical Engineering in MSBTE Curriculum of ME3G. The subject envisages identification and testing of components, their principles of working and applications of various electronic devices, signal conditioning and processing. This subject introduces the concepts of Mechatronics and PLC which is prerequisite for the subject Mechanical Measurement and Control as well as for Mechatronics in Final Semesters of Mechanical Engineering Groups. In the academic, they have only theoretical knowledge of above mentioned things and not hands on training type of experience

regarding them.

Keeping all the above mentioned snags in view, Dept of Mechanical Engg. had recently organized 3 day workshop on "Enhancement in Basic Electronics & Its Applications" in association with M/s. Gawade Electrical & Electronics, Nashik for Second year Mechanical Engineering students of our Institute.



Welcome of guest by Respected Principal Dr. R. S. Narkhede

**Department of Electrical Engineering,  
 Workshop on**

**"Arduino UNO Programming & Applications"**

To build interest in microcontroller and improve self confidence in practical Electronics Department of Electrical Engineering has conducted a Arduino UNO Programming & Applications under the guidance of Prof. K R Bhagat, Asst. Professor at MET'S Institute of Engineering, Nashik. on 2nd & 3rd Sept 2017.



Participants (TYEE Students) engrossed in the workshop activities

**Department of Civil Engineering  
 Two Day's Workshop on  
 Architectural Model Making**



Mr. Vikas Shimpi Guiding Civil Engineering Students about the Architectural Model making





**Dissertation  
Cited !**



**Congratulations !**

Principal Prof. R. S. Narkhede has completed Doctorate degree on Topic "Performance & Properties of Concrete Mixed with Coarse Aggregates"



Prof. A. V. Kokate has completed Doctorate degree on Topic "Solar Energy Conversion - New Materials for Solar Cells"



**MET-BKC CAMPUS**

## Campus Interviews 2018 at MET Polytechnic



Dr. R. K. Bhoon, Head HR & Business Executive, RDC Concrete (India) Pvt. Ltd., Mumbai detailing students about GDPI Procedure



Students appeared for Written Examination

### Advisory Board

**Staff Members :** Prof. K. R. Khinde, Prof. S. S. Avhad, Prof. S. B. Patil, Prof. B. S. Dhande, Prof. G. B. Kawale, Prof. C. P. Patil, Prof. Prof. S. A. Mandore, Prof. G. A. Parbhane, Prof. Sandip Kholambe, Prof. P. P. Badgujar, Prof. Sanket Nimse, Mr. Pradeep Hyali, Mr. Aniket Lokhande.

**Students Members :** Roshani Ahirarao (TYEE), Pooja Gunjal (TYEJ), Manav Joshi (SYME), Shrushti Khedkar (SYME), Aniket Wadhe (SYME), Abhishek Patil (SYCE), Abhishek Morankar (TYIF)

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