The horizon

Journey towards Excellence

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YASHWANTRAO BHONSALE POLYTECHNIC NEWSLETTER

Mechanical Engineering Department

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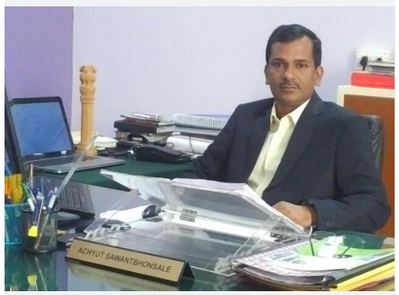
DIRECTOR'S DESK



Achyut Sawantbhonsale
Executive Chairman, SYBES

It's a delightful moment for me to congratulate Mechanical Department for a great initiative to release its first Newsletter The Horizon. It is a good attempt to create a platform for sharing all relevant information regarding the major events of the Department. It is overwhelming to note that one of the core departments of our institute is vibrant enough to scale up to great heights within a short span of time. I appreciate the sincere efforts taken by the editorial team and students in this continuous endeavour to uplift their department. I hope the department shall strive to achieve excellence in future too. I wish a great success for The Horizon.

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Editorial Committee

Editor in Chief
Mr. G. A. Bhosale (I/c Principal)

Co-Ordinators
Mrs. Sarita Sawant-Sandye (Lecturer)
Ms. Shraddha Rawool (Lecturer)

Departmental Faculty Members
Mr. Prasad S.Patil (lecturer)
Mr. Amrut G. Yadav (Lecturer)
Mr. Amol S. Shirsat (Lecturer)

To have a foundational impact on our students through continual education in Mechanical Engineering.

M1 To transform our students into employable engineers using fundamentals of Mechanical Engineering.

M2 To enhance capabilities of our students by exposing them to outside world.

M3 To serve the society through technical contribution in Mechanical Engineering.

INDUSTRIAL VISIT

ITI Sawantwadi by Third Year Students

TYME students visited ITI Sawantwadi on 16th Sept. 2017 to understand Advance Manufacturing Process. Under this subject the main objective was to observe the practical working, functions and different parts of machines like product lathe, production milling, radial drill, CNC milling, CNC lathe etc. The visit was planned as per the directives of the subject AMP of TYME. Practical demonstration of machines was made by ITI workshop instructor for the visiting students.

MSBTE Winter 2017 Results

Guruprasad Lad
First Rank

Ganesh Sawant
Second Rank

Diksha Sawant
First Rank

Maheshwar Panshikar
Second Rank

The result of Winter 2017 Exams has been declared by MSBTE on 3rd Jan 2018. Guruprasad Lad from TYME (88.00 %) stood first and Ganesh Sawant (85.33%) stood second. Diksha Sawant from SYME(87.00%) secured first position and Maheshwar Panshikar (86.25%) stood second.

All the sucessful students were felicitated at the hands of Achyut Sawantbhonsale, Executive Chairman of SYBES for their momentous achievement.

HOD'S DESK

Natha. V. Salave
I/C HOD, Mech Dept.

It gives me an immense pleasure and pride to announce that Department of Mechanical Engineering, Yashwantrao Bhonsale Polytechnic, Sawantwadi is publishing its first newsletter. This newsletter will help to share the news, events and achievements of department. I would like to congratulate all members of editorial board for their sincere effort to realise their new venture. I earnestly wish and sincerely hope that this new publication will turn out to be a resounding success.

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ACHIEVEMENTS

Research Paper Publication in International Journal

V. S. Powar | A. G. Yadav | P. S. Patil | A. U. Shirsat

The research paper entitled 'Effect of Submerged Arc Welding Process Parameters on Micro-hardness of IS 2062 Grade B Steel' has been published in International Journal for Research in applied Science and Engineering Technology. Mr. A. G. Yadav, Mr. V. S. Powar, Mr. P. S. Patil and Mr. A. U. Shirsat faculty members of Yashwantrao Bhonsale Polytechnic, have done the research on Changes Occurs in Hardness after Submerged Arc Welding. They discovered that after welding micro hardness increases in heat affected zone of weld. They also found that increase in microhardness at the welding interface is generally due to oxidation processes which take place during welding processes.

GUEST LECTURE

Professional Practices III

Guest lecture on professional Practices III for TYME students was delivered by Mr. Vikram Kotnis (DME, MBA) Thermal Instruments, Mangaon, Kudal on 11th Sep 2017.

He illustrated various processes of production such as mass, job & batch production. He also explained the entire product flow from raw material to dispatch section.

Another Guest lecture on Advanced Manufacturing Processes held on 09th Sep2017. Guest speaker Mr. Saniket Chandrakant Warekar (M.E.Mech.), Assistant Manager at Bharati Shipyard LTD, Ratnagiri, delivered lecture on Advanced Manufacturing Processes. During the entire session he shared the detail information about milling & gear cutting process required for industrial purpose.

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Mechanical Department receives Champions Trophy

SPORTS

The YBP Sports Fiesta 2017-18 held during 26th-29th Dec. 2017. It was the effort of the institute to expose the hidden talents of the students. The event was inaugurated at the hands of Chief Guest Mr. Amit Gote, PSI Sawantwadi. During his inaugural speach, he lauded the well organised sports events & offered his best wishes to all the participants. He also underlined the need of physical fitness for every one in this age of competition.

Continuing last two years sparkling performances, mechanical department outplayed all the teams & grabbed the Champions Trophy for this year too.

They showed excellent coordination, cooperation & team work & won the finals of Cricket, Valleyball, Kho-Kho and Tug of

Viraj Parab Student of the Year

Viraj Vijay Parab, TYME bagged the most prestigious Student of the Year award for 2017-18. This award has been specially designed for a student who exhibits allround performance in curricular & co-curricular activities throughout the academic year. Viraj, for his academic excellent, hardwork generous & co-operative nature received the title.

He was felicitated at the hand of Adv. Deepak Nevgi during Annual Prize Distribution Ceremony held on 30th Dec. 2017.

INDUSTRIAL VISIT

Hindustan Polymer at Majgoan

SYME students visited Hindustan Polymer, Majgaon to understand process of powder metallurgy, sintering process & compacting of various machines. The visit was conducted under the subject PPO as per the curriculum. Practical demonstration of various processes was effectively done by Managing Director himself Mr. M. D. Deshpande & Production Head Mr. Gopalkrishnan.

Students were made acquainted with the Teflon manufacturing and its properties. Various aspects viz. creation of washer and bushes with Teflon material, departments like quality control & assurance were introduced to the students. Mr. A. U. Shirsat, Mr. A. G. Yadav, Mr. M. R, Ghatage and Mr. P. S. Gawande, lecturers from mechanical department took sincere efforts for the successful execution of the visit.

STUDENT'S CORNER

Nano Technology

Nikhil S. Jadye (TYME)

In this Nano-technology there's a big future in small things. This Technology is the new Frontiers of Engineering, Imagining new possibilities, Biomedicine, Measurements, Heat transfer and many more.

Nano-Technology is the Engineering of functional system at the molecular scale. This covers current work and concepts that are more advanced. In its original sense, Nano-technology refer to the projected ability to construct items from the bottom up using techniques and tools being developed today to make complete highly advanced products. Nano-Technology is often referred to as the general purpose Technology. That's because in its nature from it will have significant impact on almost all industries and all Area of society. It offers better built longer lasting cleaner Safer and Smarter products for the home for Communications, for Medicine, for Transportation, for agriculture and for Industry in general, Like Electricity or computers before it Nano-technology will offer greatly improved efficiency in almost every fact of life.

Mechanical Engineering issues extend to instrument for Nano Particle and aerosol detection characterization as well as to various forms of Nano scale imaging. Magnetic data storage technology already has many features that fall well into the Nano mater size, Range and requires Mechanical Engineering Knowledge and Expertise to further its development.

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