

Demonstration on Architectural Engineering & Construction industry

Department of Mechanical Engineering had organized a Seminar on **Demonstration on AEC industry (Architectural Engineering & Construction industry)**, in association with **Vedanth Design & Services Pvt. Ltd., Bangalore**, Mechanical Engineering Students Association (MESA), ISTE Student Chapter & IQAC on 11th of December 2021. **Mr. E Sunil Kumar**, Director



and **Mr. Chinmay** Vedanth Design & Services Pvt. Ltd., Bangalore had participated as a resource person for the event. Mr. Sunil kumar addressed students about the application areas of ACE and its recent trends. And the address speech is followed by Mr. Chinmay who explained about design of centralized Air conditioner system and its related design calculations. He also included job opportunities in this area of AEC. The session was interactive and many student queries were answered by the presenter based on his experience. The entire event was organized in Krishna Chethana Block with around 45+ participants including staff and students from mechanical engineering department. Initially, Dr. Manujesh B. J., HOD. Dept. of Mechanical engg. gave brief introduction about the resource person and also welcomed the participants. At the end of the session Vote of thanks was delivered by Mr. Raghavendra Prasad S.A, Assistant professor, Department of Mechanical engineering, VCET, Puttur.

Vision

“To be a well-recognized department striving continuously by providing conducive environment for learning, leading to, creative and innovative Mechanical Engineers”

Mission

M1: Students: To prepare, educate, inspire and mentor the students to excel as Professionals.

M2: Faculty: To edify, encourage and support in academic and research activities.

M3: Infrastructure: To render facilities and infrastructure in the field of Mechanical Engineering.

M4: Teaching Learning: To improve pedagogical methods employed in delivering the academic Programs to the needs of the industry.

PLASTIC

Although earlier plastics had relied on organic material, the first fully synthetic plastic was invented in 1907 when Leo Hendrik Baekeland accidentally created Bakelite. His initial quest was to invent a ready replacement for shellac, an expensive product derived from lac beetles. Baekeland combined formaldehyde with phenol, a waste product of coal, and subjected the mixture to heat. Rather than a shellac-like material, he inadvertently created a polymer that was unique in that it didn't melt under heat and stress. The new thermosetting plastic was used for everything from phones to jewelry to clocks.

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COMPASS

The **history of the compass** started more than



2000 years ago during the Han dynasty (202 BC – 220 AD). The first compasses were made of lodestone, a naturally magnetized stone of iron, in Han dynasty China. It was called the "South Pointing Fish" and was used for land navigation by the mid-11th century during the Song Dynasty (960–1279 AD). Later compasses were made of iron needles, magnetized by striking them with a lodestone. Magnetized needles and compasses were first described in medieval Europe by the English theologian Alexander Neckam (1157–1217 AD).

The Importance of Automotive Knowledge, Information & Insight

Basic knowledge of an automobile is needed in life. With transportation on the rise, students seem to lack in basic knowledge about vehicles. Today automobile plays an active and important role in our lives; learning about an engine and automobile is a good start to gain knowledge.

Department of Mechanical Engineering had organized a workshop on **"The Importance of Automotive Knowledge, Information & Insight"** in association with Mechanical Engineering Students Association (MESA) & IQAC on 10th of December 2021. **Prop. Shankara Bhat**, Car Wheels, Puttur and **Prop. Purushothama Kolpe**, Shanmukha Automobiles,

Puttur, had participated as resource persons for the event. They shared their practical knowledge in relevance to Automobile and Mechanical Engineering sectors, Electrical Evolution in Automobile Fields, Difference between Old and Modern Vehicles Repair Work, Opportunities for a Mechanical Engineer to become an Entrepreneur, Factors to be considered while buying a second-hand vehicles. Also discussed about their experience of being an entrepreneur. The session was interactive and many student queries were answered by the presenters. The entire event was organized in Sir MV Seminar Hall, Krishna Chethana and demonstration of tools was done in the quadrangle of building. There were around 150+ participants including staff and students from department of mechanical engineering. Initially, Ms. Chaithra Salian B U, from 7th Semester Mechanical Engineering gave brief introduction about the resource person and was the Master of the Ceremony.



Magnetic Hybrid Motorbike

A Japanese vehicle manufacturer unveiled the prototype of a new electric motorbike carrying a hybrid magnetic motor, which can run almost noiselessly up to 180 kilometers (112 miles) on one charge. Tokyo-based Axle Corporation says that the battery of the next-generation electric vehicle motorbike can be charged at home, in the same way as a cellular phone. It takes a little over 6 hours to fully charge the battery, and the vehicle's maximum speed is capable of reaching 150 kilometers per hour (93 miles per hour).



Engineers Day Celebration

Engineers Day was celebrated on 15th of September 2021 at Vivekananda College of Engineering and Technology, jointly organized by Dept. of Mechanical Engineering, Mechanical Engineering Students Association (MESA) and IQAC. Prof. Harish S.R., staff coordinator MESA welcomed the invitees. Dignitaries offered floral tribute to Sir M.V.'s Portrait. Dr. Manujesh B.J. HOD of Mechanical Engineering, in his address said that, Sir M V was a gift to the nation from the state of Karnataka. Dr. Mahesh Prasanna, Principal, VCET, conveyed his best wishes on this occasion. Guest of Honor Mr. Ravikrishna D Kallaje, said that Sir M.V., was a supreme model for every engineer to serve the nation and wished everyone a happy engineer's day.



All the staff members of the college were present on this occasion. Finally Prof. Harish S R., concluded the program by vote of thanks.

Exposure of CAD/ CAM/ CAE for Better Product Design

Department of Mechanical Engineering had organized a Seminar on "EXPOSURE OF CAD/ CAM/ CAE FOR BETTER PRODUCT DESIGN", in association with CADD CENTRE, Mechanical Engineering Students Association (MESA), and ISTE Student Chapter & IQAC on 19th of November 2021. Mr. Santhosh Kumar K R, Manager, Business Support, CADD Centre Training services Pvt Ltd, Chennai, had participated as a resource person for the event. He gave a detailed insight of Industry readiness, Introduction to Industry 4.0. and advanced software's used in industries. Also discussed about upcoming opportunities in the market due to rapid adoption software tools. The session was interactive and many student queries were answered by the presenter based on his experience. The entire event was organized in E-102, Krishna Chethana Block with around 60+ participants including staff and students from mechanical engineering department. Initially, Mr. K R Charan, from 7th semester gave brief introduction about the resource person and also welcomed the participants. Mr Yashwith V, from 7th semester, concluded the program by vote of thanks.

One Day Training Programme

Department of Mechanical Engineering had organized **One Day Training Programme on "Engineering Drawing Reading"** in association with **CADMAXX Solutions, Bangalore,**



Mechanical Engineering Students Association (MESA), ISTE Student Chapter & IQAC on 01/01/2022. Mr. Ashwin Roysten Lobo Assistant manager- Skill development, CADMAXX solutions pvt. Ltd., Bangalore had participated as a resource person for the event. The session was included Basics of Engineering Drawing Standards & Basic Concept Exercises, Isometric & Orthographic views, Dimensions & tolerances and Missing view Exercises and GD&T concepts, Surface finish & Weld concepts. The session was interactive and many student queries were answered by the presenter based on his experience. The entire event was organized in E-102, Krishna Chethana Block with around 45+ participants including staff and students from mechanical engineering department. Initially, Dr. Manujesh B. J., HOD. Dept. of Mechanical engg. gave brief introduction about the resource person and also welcomed the participants. At the end of the session Vote of thanks was delivered by Mr. Raghavendra Prasad S.A, Assistant professor, Department of Mechanical engineering, VCET, Puttur.



Industry Exposure

Third Year Students

Name of the Industries visited:

BEML, Mysuru (Aazadi Ka Amrit Mahostav Expo)



The Details of the visit are as follows:

The Department of Mechanical Engineering, Vivekananda College of Engineering and Technology, Puttur organized a one day Industrial Visit to “**BEML, Mysuru**” year students. The visit was organized under the guidance of Dr. Manujesh B J, Head, Department of Mechanical Engineering, Prof. Harish S R, Prof. Sudarshan M L, Prof. Naveen S P and Prof. Naveenakrishna P.V, accompanied the students. A total of 52 students had been to the visit.

Purpose:

The purpose of industrial visit for students is to provide technical knowledge with the technological development in the industry and to understand the gap between the theoretical and practical knowledge that could be passed in future. This experience can help students to provide information regarding functioning of various industries and associated problems and limitations. Interacting with the industry also provides a chance to build networks and improve their communication skills.



Second Year Students

Name of the Industries visited:

1. CAMPCO Chocolate Factory, Puttur
2. SRK Ladders, Puttur



The Details of the visit are as follows:

The Department of Mechanical Engineering, Vivekananda College of Engineering and Technology, Puttur organized a one day Industrial Visit to “**CAMPCO Chocolate Factory, Puttur and SRK Ladders, Puttur**” on 11th of December 2021 for second year students. The visit was organized under the guidance of Dr. Manujesh B J, Head, Department of Mechanical Engineering, Prof. Harish S R and Prof. Naveenakrishna P.V, accompanied the students. A total of 35 students had been to the visit.



Purpose:

The purpose of industrial visit for students is to provide technical knowledge with the technological development in the industry and to understand the gap between the theoretical and practical knowledge that could be passed in future. This experience can help students to provide information regarding functioning of various industries and associated problems and limitations. Interacting with the industry also provides a chance to build networks and improve their communication skills.

The LTM 11200-9.1 delivers maximum load capacity and one of the longest telescopic booms in the world. Various lattice extensions are also available. The Y telescopic boom guying delivers significant increases in load capacity. The 9-axle chassis includes active, speed-dependent rear-axle steering developed by Liebherr. Liebherr LTM 11200-9.1 is undoubtedly the strongest mobile crane in the world. It can carry as many as 12 adult Blue Whales at once (weighing around 1,200 tons in all). It can also carry as many as three of the world’s biggest wind turbines easily – which are 650 feet tall and weigh around 354 tons).