

# Mechanotimes

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The purpose of an educational institution is best attained when its students perform beyond the requirements of syllabi and extend their sphere of activity outside the confines of the classroom. It was a season of workshops at our institution during this period – an attempt to raise the limits of knowledge regarding the processes that inform the practitioners of technology. The campus is once again excited to welcome another batch of fresher's to its bosom, for four years of academic pursuits, creativity and success.

**Editor in chief  
Mr. Pawan Nain**

## ***Vision of the Department***

- ❖ To emerge as centre of quality education for creating competent mechanical engineers catering to the ever-changing needs of industry and society.

## ***Mission of the Department***

- M1** To provide quality education by constantly updating departmental resources and using effective teaching learning methodology.
- M2** To promote research practices in the field of mechanical engineering in pursuit of academic excellence and for the benefit of society.
- M3** To establish industrial collaborations for imparting contemporary knowledge to keep pace with the technological challenges in the interdisciplinary and core areas of mechanical engineering.
- M4** To provide opportunities to the students for global exposure through international collaborations.
- M5** To nurture students through pre-placement training programs to succeed in campus placements and to provide guidance for entrepreneurship and higher studies.

## ***Program Educational Objectives (PEOs)***

**Mechanical Engineering graduates will be able to:**

- PEO1:** Develop dexterity to analyze and synthesize data and technical concepts for design, development and manufacturing.
- PEO2:** Meet the present needs of industry effectively.
- PEO3:** Embrace multidisciplinary view with an ability to work diligently as leader /team member on various projects with a focus on the economic, environmental and social feasibility of the project.
- PEO4:** Exhibit communication skills along with mathematical and scientific fundamentals to excel in various career related aspects.
- PEO5:** Engage in continuous self-improvement, personal enrichment and professional ethics through lifelong learning.

## ***Debate***



DEBATE COMPETITION was organized by Mechanical Department of CEC on AUGUST 14, 2018. Bilingual debate on the topic “राजनीति की मंडी में धर्म की बिक्री” was organized for the first time in the history of CGC Landran.

## Industrial Visits

A team of 61 students of 2nd year of the department of mechanical engineering visited G.G.S.S. Thermal power Plant (Ropar) on August 16, 2018 organized by MED of Chandigarh Engineering College which was accompanied by two faculty members of the department Mr. Ravinder Singh and Mr. Paramjeet Singh. The overall visit gave vital knowledge to the students which will be beneficial for their academics as well as professional career. The objective of this visit was to enhance the practical knowledge about steam formation and impact of the steam on turbine blades and to provide an exposure with an aim to go beyond traditional teaching.



A team of 61 students of 3<sup>rd</sup> year of department of mechanical engineering visited Punjab Industrial Works Pvt. Ltd (Mohali) on August 29, 2018. The visit was organized by mechanical engineering department of Chandigarh Engineering College which was accompanied by two faculty members of the department Mr. Rupinder Singh and Mr. Tavinder pal Singh. The overall visit had given the vital knowledge to students which will be beneficial for their academics as well as professional career.

## Expert Talks and Workshops



An expert talk was organised by the department of mechanical engineering on “Advanced Automotive technology” on 17<sup>th</sup> September 2018 in the seminar hall, Block 2. Mr. Mandeep Singh Dhama, an Industrial Expert delivered the lecture on Emerging Trends in Automotive Sector, Technological changes & development and Electrification of power train. Students learned about advanced technologies and understand the advancements emerging in today’s world and would be able to prepare themselves for industry from placements prospective.

An expert talk was organised by department of mechanical engineering on “Welding Technology” on 20 August, 2018 in seminar hall Block 2. Dr Sanjeev Kumar an Industrial Expert delivered the lecture on Introduction to Advanced materials, Advanced Manufacturing Methods of Welding, Brief introduction to Non Conventional Manufacturing. Students learned about the various methods of welding, various advancements in them and control parameters.



The departmental society “society of Futuristic Mechanical Technology” organized the two day workshop on “Miniature satellite” at CGC Landran. Er. Govind from “space development nexus” was a resource person of the workshop .On the very first day, there was a theory session in which participants got to know about the miniature satellites, GPS systems, versions of satellite and sensors. The 2<sup>nd</sup> session was the totally practical session in which satellite is manufactured by using arduino UNO controllers. The satellite is tested with the help of drone. Temperature pressure and humidity were determined at different heights.

The Departmental society- “society of futuristic mechanical technology” conducts one day seminar on the power of internship. Mohd. Jafar student from mechanical engineering delivered the speech on the topic “power of internships”. In this seminar participants came to know about the internships, difference between internships and training as well as the advantages of internships.



## PATENT AWARENESS SEMINAR



The departmental society conducts one day seminar on the “Patent Awareness and Intellectual property”. The student from department of mechanical engineering Mr. Hardiq Verma from 7<sup>th</sup> semester delivered the seminar on the patent awareness and the importance of IPR for the engineers, scientist as well as the researchers. He filed 10 patents out of which 8 were completely filed and 2 were under process. Participants came to know about the patents, types of patents, methodology of filing patents, duration of patents etc. The seminar was very informative for the participants.

## ACHIEVEMENTS

The students from department of mechanical engineering participated in the ATV BAHA 2018 on 14-19 July 2018. Team cleared the technical inspection, brake test, egress and the entire test in the event and got 3<sup>rd</sup> position in the design evaluation. The team got 10<sup>th</sup> Rank out of 80 teams in the event.



# GALLERY

