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“To emerge as the most preferred educational group with global recognition, developing competent and socially sensitive leaders committed to excellence to create world class facilities & ambience for advance level of teaching and practical training. From the day of its inception, CEC nurtured a dream to become a leading technical Institute with a global vision. Today the dream has become a reality as CEC students have gained due recognition worldwide for their academic and professional excellence

EDITOR'S COLUMN

Mechanotimes is the mirror of CEC. I'm glad to take this responsibility as editor in chief of this magazine. This edition of magazine presents the overview of department with description of various events organized in the department of mechanical engineering and participation in events outside the campus during the semester.

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. I sincerely thank to Prof (Dr.) Rajdeep Singh for his sincere support. He is a very nice and energetic Head of department whose leading hands are giving this institute right direction. I also thank all faculty members and students for giving valuable inputs.



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.

QUIZ COMPETITION 2017

A Quiz Competition was organized by the club “Mechnorobs” department of mechanical engineering CEC Landran a on 28th Feb 2017. There were 120 participants from all colleges of CGC who appeared for written preliminary round, out of which 50 semi-finalists were shortlisted. The top 5 teams from semifinals made it to the final round which consisted of quiz on General Awareness and Current affairs, Science and Technology, Team’s choice (History, Entertainment, Sports, Literature and Automania) Rapid Fire and Brands (Logos and Tagline). Prof. (Dr.) B. Pattnaik Campus Director congratulated the Mechnorobs Club for organizing the successful event and encouraged them to conduct such type of events in the future also. All the participants were given certificates and the top 3 winner teams were awarded cash prizes of Rs. 4000, Rs. 2000 and Rs. 1000 respectively. The winners were Team-C, Team-D and Team-A with first, second and third position respectively.



INDUSTRIAL VISIT TO CHEEMA BOILERS

Industrial visit for the students of mechanical engineering was organized for 5th semester on 15th Feb 2014. Mr. Jagtar Singh (Site Engineer) guided them around the plant. They explained that why the Cheema Boilers Limited (CBL) is a leading name in the Boiler Industry in India. The Company manufactures steam boilers for almost all the industries, providing various services and solutions to power and process industries along with the production of a wide range of other related products. The main products are large industrial boilers, slop fired boilers, heat recovery boilers, pressure vessels, process boilers etc. The students visited boiler fabrication plant where they got practical exposure to various manufacturing processes like welding, hot rolling, laser cutting, drilling operations carried out on steel plates (upto 160mm thickness). In addition to above the students saw complete set-up of boilers including its assembly, mountings and accessories. An interactive session was organized by personnel of plant with the students after the visit in which students queries were answered.



GUEST LECTURE ON NANOTECHNOLOGY BY PROF. VK JINDAL

Nanotechnology irrespective of its literal name is a very diverse topic, including fields of science such as surface science, organic chemistry, molecular biology, semiconductor physics, micro fabrication etc. A lecture was delivered on recent trends in Nanotechnology and its Applications by Prof. V.K. Jindal, Department of Physics, Panjabi University, Chandigarh on 20.03.2017 at CEC, Landran. The session was organized by NANO PHYSICS CLUB of Department of Applied Sciences, CEC Landran. Prof. Jindal shared latest developments, quality research and development updates that would provide an opportunity to review new techniques and horizons regarding Nanotechnology. He co-related the recycling behaviour of nature with Nanotechnology.



Plantation Derive

A plantation derive was organized by the Department of Mechanical Engineering On the theme "GO GREEN" in the college premises. The chairman Sr. Satnam singh sandhu was the chief guest for this occasion. They started the event with their precious words about the nature. Students participated with great enthusiasm. These types of events encourage students to connect with the nature and its harmony with flying feet of the technology.





Mega ATV Championship



An off-terrain ATV event named Mega ATV Championship was organised in the mountains of Ahmednagar, Maharashtra. The purpose of this event was to focus on the innovations and research of new automotive technologies team of 26 students from 2nd and 3rd year participated in this event . The event provided a platform to the teams to develop their ideologies and also to convert these to a business idea.

