



**CHANDIGARH
ENGINEERING COLLEGE**

Buiding Careers. **Transforming lives.**

Mechnotimes****

Newsletter

Vol-6 / Issue 1 / Jul - Sept, 2021



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Vision of the Chandigarh Engineering College

To become a leading institute of the country for providing quality technical education in a research based environment for developing competent professionals and successful entrepreneurs.

Mission of the Chandigarh Engineering College

1. To provide state of the art infrastructure and engage proficient faculty for enhancing the teaching learning process to deliver quality education.
2. To give a conducive environment for utilizing the research abilities to attain new learning for solving industrial problems and societal issues.
3. To collaborate with prominent industries for establishing advanced labs and using their expertise to give contemporary industry exposure to the students and faculty.
4. To cater opportunities for global exposure through association with foreign universities.
5. To extend choice based career options for students in campus placements, entrepreneurship and higher studies through career development program.



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.

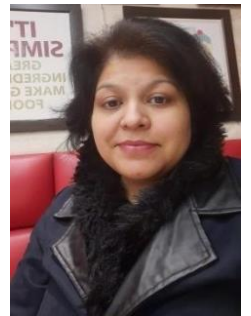
M4: To provide opportunities to the students for global exposure through international collaborations.

M5: To nurture students through pre-placement training programs to succeed in campus placements and to provide guidance for entrepreneurship and higher studies.



EDITOR'S COLUMN

The departmental Newsletter will definitely help to showcase the activities that are happening in the Department. It also helps in building up teamwork which is very much needed today in the competitive world. It provides a platform for exposing the merits and academic achievements of the faculties and students. This enhances the documentation culture among the students. It would definitely create an impact in the mind of readers, by providing larger visibility and dimension to the department. We hope that this culture of releasing Newsletter continue forever and become a quoted example for all to follow.



AISHNA MAHAJAN

EDITOR-IN-CHIEF

MECHNOTIMES

FROM EDITORIAL'S BOARD

Welcome to Issue 1 of Volume 6 of the Mechnotimes of Mechanical Department Newsletter of Chandigarh Engineering Colleges, Landran.

We are really proud and exuberant that each quarterly issue of this Newsletter acts as a recap of the events and expert lectures which were hosted by our department. It covers recent events and attempts to formulate viewpoints based on an objective analysis of happenings and conflicting/contrary opinions. The positivity and enthusiasm is being spread among the students through this innovative idea as well as Faculty's hard work.

We sincerely hope that the readers will find the events interesting, relevant and intellectually stimulating leading to building up diverse outlook about the department.



Damunas Kalra 7th sem(1802768)

Aditya Yadav 5th sem(1902789)

Kaustubha Srivastava 5th sem(1902851)

Nishant Thakur 5th sem(1902875)

Dr. Saurabh Chaitanya delivered an Invited Talk on “Primary Manufacturing of Green Composites” at NIT Meghalaya

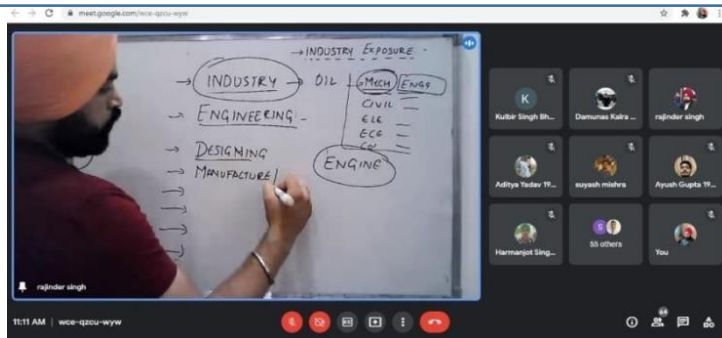
The Department of Mechanical Engineering, National Institute of Technology Meghalaya, organized AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Sustainable Green Composites: Design, Manufacturing and Characterization" from 09/08/2021 to 13/08/2021 at NIT Meghalaya. Dr. Saurabh Chaitanya, Faculty of Mechanical Engineering Department, Chandigarh Engineering College, contributed as a Resource Person during this FDP and delivered a talk on “Primary Manufacturing of Green Composites”.

The slide features the Chandigarh Group of Colleges (CGC) logo on the top left, with the tagline 'Building Careers. Transforming Lives.' and a 'Celebrating 20 Years of Proud Legacy' badge on the top right. The title 'Primary Manufacturing of Green Composites' is centered in a blue serif font. Below it, the speaker's details are listed: 'Dr. Saurabh Chaitanya, Assistant Professor, Department of Mechanical Engineering, Chandigarh Engineering College, Landran, Mohali Punjab'. The presentation context is provided at the bottom: 'Presented at: ATAL sponsored FDP on "Sustainable Green Composites: Design, Manufacturing and Characterization" Organized by Department of Mechanical Engineering, National Institute of Technology Meghalaya (Date: August 11, 2021)'. A small video inset on the right shows Dr. Saurabh Chaitanya speaking.

This diagram illustrates the concept of 'Sustainable Composites'. At the top, a green box labeled 'Sustainable Biocomposites' is connected to three colored ovals: 'Renewable' (blue), 'Recyclable' (pink), and 'Biodegradable' (red). These three attributes are grouped under a yellow box labeled 'Environmental Acceptability and Commercial Viability'. Below this, three images show practical applications: 'Household Goods' (a wooden bowl and tray), 'Car Inner Door Panel' (a car door panel), and 'Mobile Phone Casing' (a wooden phone case). The source 'Image Source: nova-Institut GmbH (www.nova-institut.de)' is noted at the bottom right. A video inset on the right shows Dr. Saurabh Chaitanya.

EXPERT LECTURE

The Department of Mechanical Engineering organized an Industry Interaction session for students of Mechanical Engineering on August 10, 2021. Er. Rajinder Singh from Rados Engineering apprised the students about the current Industrial Scenario in India and the opportunities in the field of Mechanical Engineering.



Teachers' Day Celebrations

The faculty members of the Chandigarh Engineering College were bestowed with awards on the basis of merit for their unwavering efforts through the years 2020 and 2021.

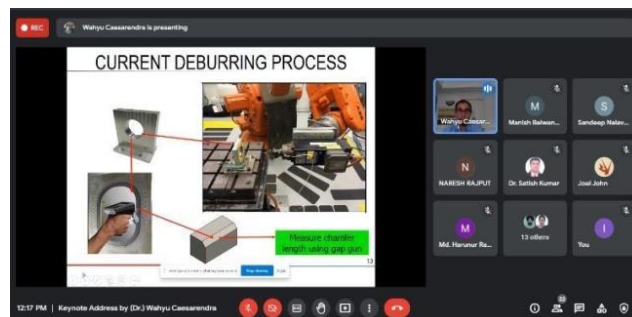
Dr. Sachin Mohal and Dr. Saurabh Chaitanya of Department of Mechanical Engineering, were awarded the Best Teacher Awards for the year 2020 and 2021, respectively. Moreover, Dr. Rajesh Sharma, Dr. Saurabh Chaitanya, Dr. Manjit Singh, Dr. Varun Arora, Dr. Rajneesh Kumar and Mr. Ravinder Singh, were awarded the Award of Special Achievement.



3rd International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2021)

The Department of Mechanical Engineering, Chandigarh Engineering College, organized the “3rd International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2021)” during August 27-28, 2021. This conference witnessed an overwhelming response from the students, researchers, academicians and industry professionals as more than 210 research articles were submitted to this conference out of which 114 have been selected for publication in Elsevier’s Materials Today: Proceedings (Scopus Indexed International Journal) after rigorous peer review process.

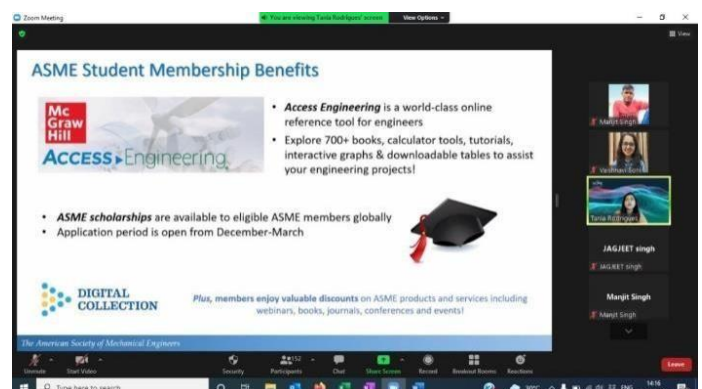
The participants presented their research findings through 8 technical sessions and had a constructive discussion with the peer group. Best Paper Presentation Awards were also presented to 08 Participants. The participants’ during the feedback session applauded the sincere efforts of the organizing team of ICCAME-2021.



ASME Student Chapter organized ASME Awareness Session

The student chapter of American Society of Mechanical Engineering (ASME) India Pvt. Ltd., Chandigarh Engineering College, organized an ASME Awareness Session on September 9, 2021.

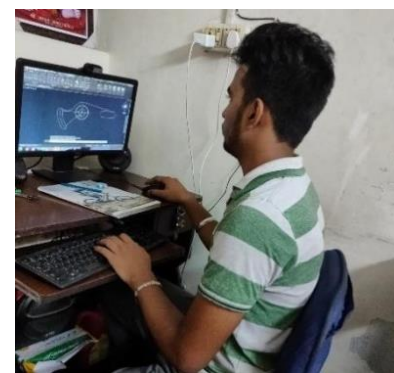
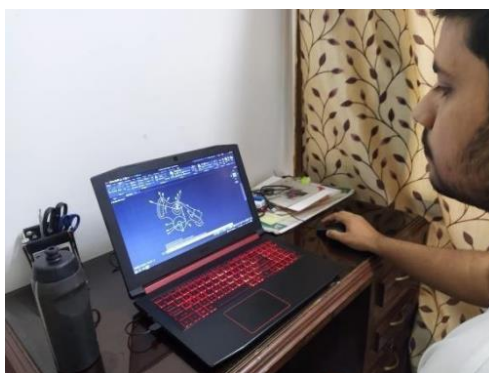
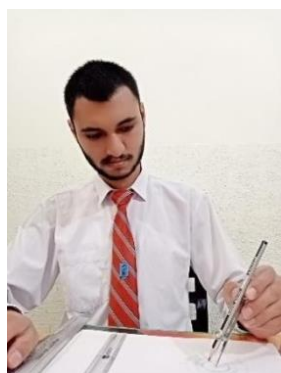
More than 150 participants attended this event and they were apprised about the ASME student section activities and membership benefits. The information regarding the upcoming National & International events along with different scholarship programmes conducted by ASME was shared with the participants.



Thrust 2k21

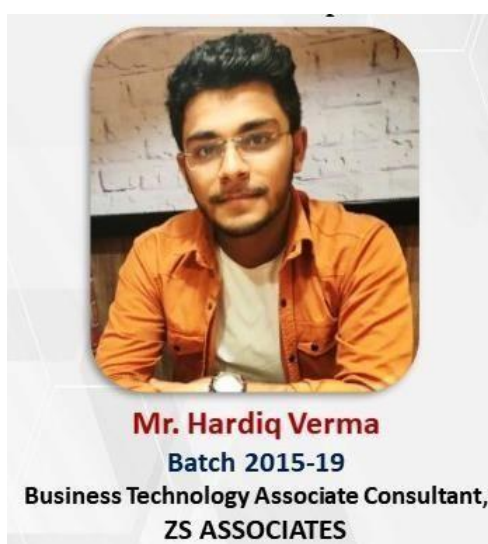
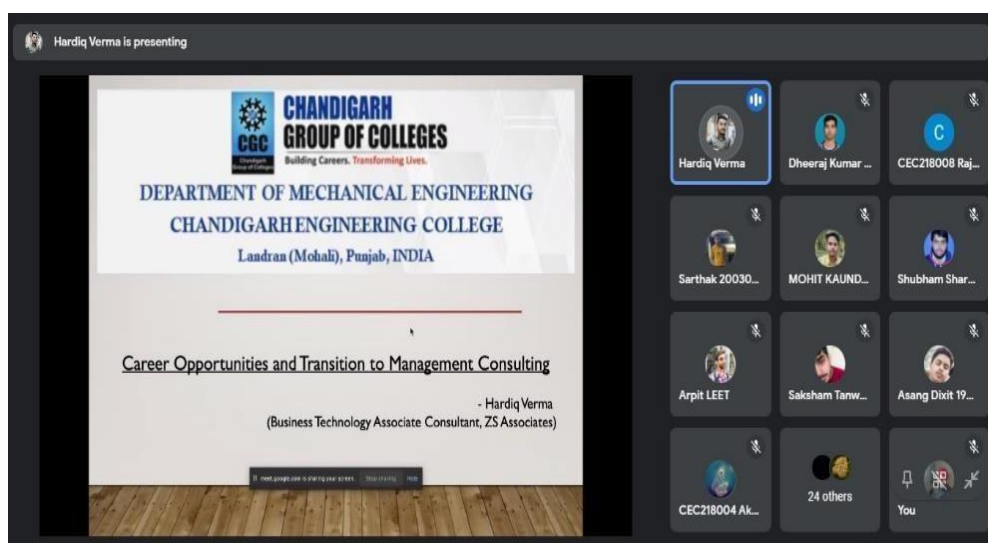
Thrust2k21, an enthralling celebration of Engineers Day was organized by Mechnorobs Club of Mechanical Engineering Department of CEC, Landran on 15th September 2021. It gave a splendid platform to the B. Tech. and Diploma students of Mechanical Engineering to exhibit their talent and explore their potential by participating in varied technical events. Diploma students of Indo Swiss Training Center, Chandigarh, Thapar Polytechnic College, Patiala, Shaheed Udham Singh Polytechnic College, Tangori and Govt. Polytechnic, Sundernagar, etc. participated in this event.

The main objective was to provide students with a platform to showcase their talent and not let this pandemic fade away the true spirit of engineers who turn Dreams into Reality. The students enthusiastically participated in the event. All the participants were awarded e-certificates as a motivating factor to add credits to their skills and knowledge.



ALUMNI INTERACTION SESSION

Peer motivation is one of the most effective ways to encourage students. The accomplishments of the peers help students to set their goals and work diligently to achieve them. The department of Mechanical Engineering organized an Alumni Talk on September 18, 2021, wherein our Alumnus Mr. Hardiq Verma, student of 2015-2019 batch, interacted with the students on various aspects of his academics and professional life. Mr. Hardiq, who is currently working as Business Technology Associate Consultant with ZS Associates shared tips to excel placement drives and motivated the students to work hard for achieving their dreams.



FACTS

- The Four Rings in the AUDI Logo represent the FOUR companies of AUTO UNION.



- The cruise control was invented by a blind mechanical engineer, Ralph Teetor.



- The average car has approximately 30,000 parts. This includes every screw in a vehicle!



- The first Lamborghini didn't even have an engine when they unveiled it.

