



Mechanotimes.....2020-2021 Vol-1, Issue-1 (Jul.-Sept., 2020)

EDITOR'S COLUMN

The department 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 world of competition. It provides a platform for exposing the merits and academic achievements of the faculty and students. This enhances the documentation culture of the institute. This would definitely create an impact in the minds of readers, by way of providing larger visibility and dimension to the campus. I hope that this culture of releasing Newsletter continue forever and become a quoted example for all other colleges to follow.



***EDITOR'S IN CHEIF
DR. 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.

ICCAME 2020

2nd International Conference
on
"Contemporary Advances in Mechanical
Engineering"
(ICCAME-2020)

(24th – 25th July, 2020)



Organized by:
Department of Mechanical Engineering



Chandigarh Engineering College, Landran
Sector 112, Landran Greater Mohali,
Punjab - 140307 (INDIA)

Chandigarh Engineering College, Landran
Chandigarh Engineering College (CEC) was
established in 2002. It is one of the leading institutes
in the field of technical and professional education in
north India. It offers various undergraduate programs
and post graduate programs in Computer Science,
Electronics & Communication Engineering,
Information Technology and Mechanical Engineering.



It has state of art infrastructure, highly talented faculty
members, and outstanding placement for students in
top notch companies. All courses are approved by
AICTE, New Delhi and affiliated to IKGPTU,
Jalandhar. We have a wide range of well-equipped
workshops and laboratories that help students and
faculty to explore their field of study.

The goal of our institute is to produce skilled, globally
competent professionals through quality technical
education. CEC has come to lead others with unique
teaching methods, path breaking researches and
quality placements. Moreover, the vision of the
Mechanical Department is to emerge as centre of
quality education for creating competent mechanical
engineers catering to the ever-changing needs of
industry and society.

About ICCAME-2020

The conference is aimed to bring together leading
academic scientists, researchers and research scholars
to exchange and share their experiences and research
results and discuss the latest trend in Mechanical
Engineering. It provides a leading interdisciplinary
platform for researchers, practitioners and educators to
present and discuss the most recent innovations,
trends, and concerns as well as practical challenges
encountered and solutions adopted in the fields of
advances in Mechanical Engineering.

Objectives

- To create awareness about current/modifications in
the area of Mechanical Engineering in order to
promote R&D activities for real life applications.
- The conference will create a unique environment
for participants to establish professional networks in
their respective fields, particularly with
representatives from academia.
- To improve the common man's life by developing
new innovative engineering ideas, technical tools
or models or products of their needs.

Call For Papers

The manuscript must strictly adhere to the IEEE
format. All submitted papers will be subjected to a
"Plagiarism check" by Turnitin Software. Papers
achieving less than 20% similarity score including
references will only be sent for the review. Paper's
Page Limit is 16 Pages (maximum) of an A4 size sheet
and should be sent by easy chair login
<https://easychair.org/conferences/?conf=iccame2020>.

The papers can also be sent directly to
iccame2020@cgce.edu.in

The status of the paper will be intimated to
corresponding authors after rigorous review.
PUBLICATIONS: All the accepted, presented &
registered papers will be published in **Scopus/ESCI
Indexed Journals:** Test Engineering & Management
(0193-4120), International Journal of Advanced
Science and Technology (2005-4238), International
Journal of Psychosocial Rehabilitation (1475-7192).

Important Landmarks	Date
Manuscript Submission	June 18, 2020
Manuscript Acceptance Notification	June 25, 2020
Dead Line for Camera ready paper & registration	June 28, 2020
Date of Starting of conference	July 24, 2020
Date of Ending of conference	July 25, 2020

Registration Fee

For research paper (Indian Author)
Research Scholar/ Students/Academician Rs. 8500
Industry Sponsored Rs. 9500
At least one author of the accepted paper has to
register for the presentation.

For research paper (Foreign Author)
Research Scholar/ Students/Academician 250 US \$
Industry Sponsored 300 US \$

For poster presentation
Poster Presentation Fee- 1000

The Fee should be deposited in the

A/C No. 4582000100030487
IFSC - PUN0045200
MICR - 160024048

For further Enquiry:

Visit Conference website
<https://iccame.webs.com>
E-mail id - iccame2020@cgce.edu.in
Contact No. +91-9646164181, +91-9914150785

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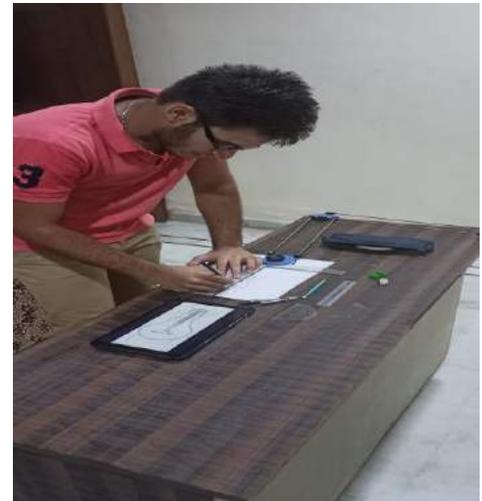
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Malaysia.

THRUST 2k20

Thrust 2k20...celebrating Engineers' Day was organized with an aim to offer enriching experiences and assist students in exploring and exhibiting their capabilities in the areas pertaining to technical fields. It was a virtual event that provided students with a platform to explore their potential, showcase their technical skills, gain knowledge, scratch their brains and test what they have gained so far in the field of Mechanical Engineering. 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.

Thrust 2k20 was an online event. Students appeared for it from their native place during lockdown period

Thrust2k20...an enthralling celebration of Engineers Day was organized by Mechnorobs Club of Mechanical Engineering Department of CEC, Landran on 15th September 2020. It gave a splendid platform to the students to exhibit their talent and explore their potential by participating in varied technical events. The event commenced on a happy note at 9:30 am and 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. Trophies shall be provided to first three position holders of each event after college reopens.



Student Coordinators in Thrust 2k20

S.No	Name	Roll no.	Semester	Section
1	Aditya Dhiman	1802719	5 th	Y1
2	Aziz Ahmad Shams	1802760	5 th	Y1
3	Damunas Kalra	1802768	5 th	Y1
4	Gaurav Jain	1802778	5 th	Y2
5	Gurdeep Singh	1802780	5 th	Y2
6	Gursahib Singh	1802783	5 th	Y2
7	Harjyot Singh	1802786	5 th	Y2
8	Kul Kumar	1802809	5 th	Y2
9	Pawan Kumar	1802847	5 th	Z1

Webinars/ Training Programmes

Identified Gaps	Action Taken	Date/ Month/ Year	Resource Person with Designation	% of students
Programming of Numerical Methods	Training on Latest Technologies	30.07.2020	Dr/ Vinay Kanwar, Professor, UIET, Chandigarh	78
Basic features of vibratory systems	NPTEL Session	06.08.2020	Mr. Satish Kumar, Assistant Professor,CEC Landran	75
Ethics on Workplace	Mentoring Session	09.09.2020	Mr. Krishan kant, Assistant Professor,CEC Landran	85

Scope of solar energy in Future

Life has existed for millions of years before electricity was ever developed. All thanks to the giant Nuclear Fusion reactor at the center of our solar system, Energy can also be harnessed and converted into electricity and heat. Solar panels consisting of arrays of 'Photovoltaic cells' (photodiode semiconductors) which works on the principle of "photoelectric effect". Then there are solar concentrators which concentrate a portion of the suns energy into a smaller area by using lenses or mirrors.



Solar Energy is a currently trending innovation which focuses on replacing the common roads with structurally engineered solar panels which can withstand the weight of vehicles as well as tough out other environmental conditions. They consist of solar cells placed under hardened glass. The energy received from these roads can power road lights, traffic lights, signs and also local dwellings. If successful, the entire roadway system (if not, a majority) of a country can be turned into a solar power plant. It can also provide a source of electricity to charge electric cars on the go as an added advantage. Solar roads can cut harmful emissions of a country by at least 50% which is a number which cannot be ignored keeping in mind the alarming rate of increase in Global Warming. Solar Road in Krommanie, Netherlands, is the first solar powered bike path laid in the world which was opened in November, 2014. In this article, we will discuss the economics of solar energy and the technology that goes into the making of the solar roadways.

Akash Rana
ME-(A) -5th SEM

5 Reason Why India Is Not Good In Football

- **Dual Nationality Rule**-Indian government does not allow dual citizenship in India. It is the most important reason that our country is not good in football. Government of India decided to Grant “Overseas Citizenship of India”(OCI) which most people mistakenly refer as ‘Dual Citizenship’ but it is not true. If someone has got citizenship in USA then that person can’t represent India. But in foreign they have dual nationality rule. If we have dual nationality rule in India then we would be top of the mountain in football.
- **Thinking Of Parents**-In India, parents only want to see their child good in studies. Half of the parents of India don’t support their child if their children want to make their career in sports. They just force their children to study day and night and then join a good engineering college. We can’t be good in football if parents’ thinking remains the same. I hope the person who is reading this article won’t force their child to do engineering.
- **Lack Of Infrastructure**-I think we are lacking in infrastructure and we are not having world class stadium in India. It can be clearly seen that cricket stadium are in every state of India. But when it comes to football the story is not the same. We don’t have any single world class stadium in India.
- **Coaches**-If a person is good in Football but he doesn’t have any coach than we can say that there will be a waste of talent. Coaches are just like candle that shines player life but sadly we are lacking coaches in India. If we look At England they have football coaches not in every city but at every street. So you can easily spot the difference. I think the players who have retired from football it is their responsibility to teach kids in their town.



Article By-
Amandeep Singh
ME-(A+B)

