



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE



ME-FYI
The Monthly Newsletter



JAN—APR 2023

DEPARTMENT OF MECHANICAL ENGINEERING

Accelerating the Creativity of Mechanical Engineers



VISSION AND MISSION OF COLLEGE

VISSION OF COLLEGE

- To become a renowned centre of outcome based learning and work toward academic, professional, cultural and social enrichment in the lives of individuals and communities.

MISSION OF COLLEGE

- Focus on evaluation of learning outcome and motivate students to inculcate research aptitude by project based learning.
- Identity based on informed perception of Indian, regional and global needs and the areas of focus and provide platform to gain knowledge and solutions.
- Offer opportunities for interaction between academia and industry.
- Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

VISSION AND MISSION OF MECHANICAL DEPTT.

VISSION OF DEPARTMENT

- The Mechanical Engineering Department strives to be recognized globally for outcome based technical knowledge and to produce quality human resource, who can manage the advance technologies and contribute to society.

MISSION OF DEPARTMENT

- To impart quality technical knowledge to the learners to make them globally competitive mechanical engineers.
- To provide the learners ethical guidelines along with excellent academic environment for a long productive career.
- To promote industry-institute relationship.

PROGRAM OUTCOMES

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

Winter Carnival 2023

Revelling up JECRC's Winter Carnival 2023, we mark the celebrations with happy faces with the gist of new year beginnings and maker sankranti greetings. All the JECRC staff members actively participated in the carnival, amused everyone with their out-of-the classroom skills and surely relived their childhood memories! It was the fest that uncovers the fun, relives the festival of rejoice and binds the JECRC family with a warm heart. To the times where staff stands behind curtain exhibiting duties, it was a pleasure to dedicate a day full of *FUN, GAMES AND FROLIC* to them





ALUMINI TALK BY RPS SHIVAM JOSHI

The Public Services Exam, conducted by RPSC, is one of the toughest exams to crack in a state, but RPS Shivam Joshi did not be deterred from his mission and passed the exam in just 4 months' preparation after his B.Tech in Mechanical Engineering.

He proved that his motivation towards his goal and hard work helped him to crack the RPSC exam. In the year 2018, Shivam became an RPS officer by securing 87th rank in the RPSC Civil Services Examination. RPS Shivam Joshi has also shared several tips for other youngsters about cracking the RPSC Exam.

He says that students should understand the exam pattern and syllabus properly before starting the preparation for the exam.



CONVOCATION CEREMONY

700 JECRCians from across 32 cities, placed all across the country came to attend the Convocation Day. Convocation Ceremony commenced with the academic procession, with Hon'ble Chairman Shree. O.P. Agrawal and Director NIT, Kurukshetra Prof. B.V. Ramana Reddy leading the procession along with other dignitaries. Batch of 2017, walked with pride, zeal and enthusiasm in the academic procession. Students dressed in graduation gowns enhanced the grace of convocation day! Procession followed by the lamp lightening ceremony successfully commenced the event where all dignitaries along with Hon'ble Chief Guests graced the dice.







JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE
PRESENTS

NATIONAL TECHNO CULTURAL FEST
RENAISSANCE
EDITION XIX



TECHNO | CULTURAL | SPLASH

13th-15th
April

Prizes Worth
10 Lakh

STAY TUNED -
FOUNDATION
RENAISSANCE



FOR MORE DETAILS CONTACT:
9667788552, 8051111186

We are available 24x7 @: renaissance@iecrc.ac.in

R-23 BRAIN QUEST

A test of knowledge, exclusively in Mechanical Engineering discipline as a competition between Individuals and Teams as a form of awareness. This event is held on 14/04/2023 at DS-01, DS-03 D-block second floor.

From our college 9 teams have participated in the event & 5 Outside teams were there.





GPS Map Camera

Jaipur, Rajasthan, India

QRJ9+JJX, Sukhpuria, Bambala, Jaipur, Rajasthan 302029, India

Lat 26.781711°

Long 75.819102°

14/04/23 10:59 AM GMT +05:30



GPS Map Camera

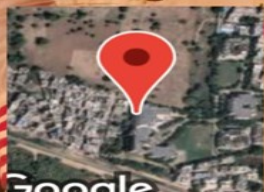
Jaipur, Rajasthan, India

QRJ9+JJX, Sukhpuria, Bambala, Jaipur, Rajasthan 302029, India

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14/04/23 12:48 PM GMT +05:30



GPS Map Camera

Jaipur, Rajasthan, India

QRJ9+JJX, Sukhpuria, Bambala, Jaipur, Rajasthan 302029, India

Lat 26.781701°

Long 75.819099°

14/04/23 12:45 PM GMT +05:30



R- 23 MIGHTY THROTTLE

This event requires racing of your RC cars on a racetrack. Although it may look simple to you, but you will face cut-throat competition, and finally it is the quality of the car and driver ability which will decide the winner..

This event WAS held on 14/04/2023 at D-block Lawn





R-23 RESIN O'CLOCK

Resin art is the practice of using epoxy resin in artwork. With it, you can create art that is clear and luminous, as well as artwork that has depth .

This event consist 2 rounds:

Round 1: Teams will have to choose two moulds .

One should be a letter and another should be a shape.

Round 2: In this round participants will be given epoxy solution and they have to fill up the mould in the limited time. This is the final round from where winners are selected.





R-23 FUSION BOLT

It is a welding art competition in which the participant made a product by the welding process from junk materials.

Rules:

Team of 2 member's participation.

About event

This event consist 2 rounds:

Round 1

Theoretical quiz consisting 30 questions in 20 minutes

Those of clear first round goes to next round.

Round 2

The participant will made a product with the help of welding.



Time: 14-04-2023 13:50
Note: JECRC College

Powered by NoteCam



R-23 3D MANIA

In this Event participants were challenged to draw 3-D object using the software AutoCAD.

RULES: This event was divided into three stages.

Round 1:

Quiz (15 question/15 marks/10 min.)

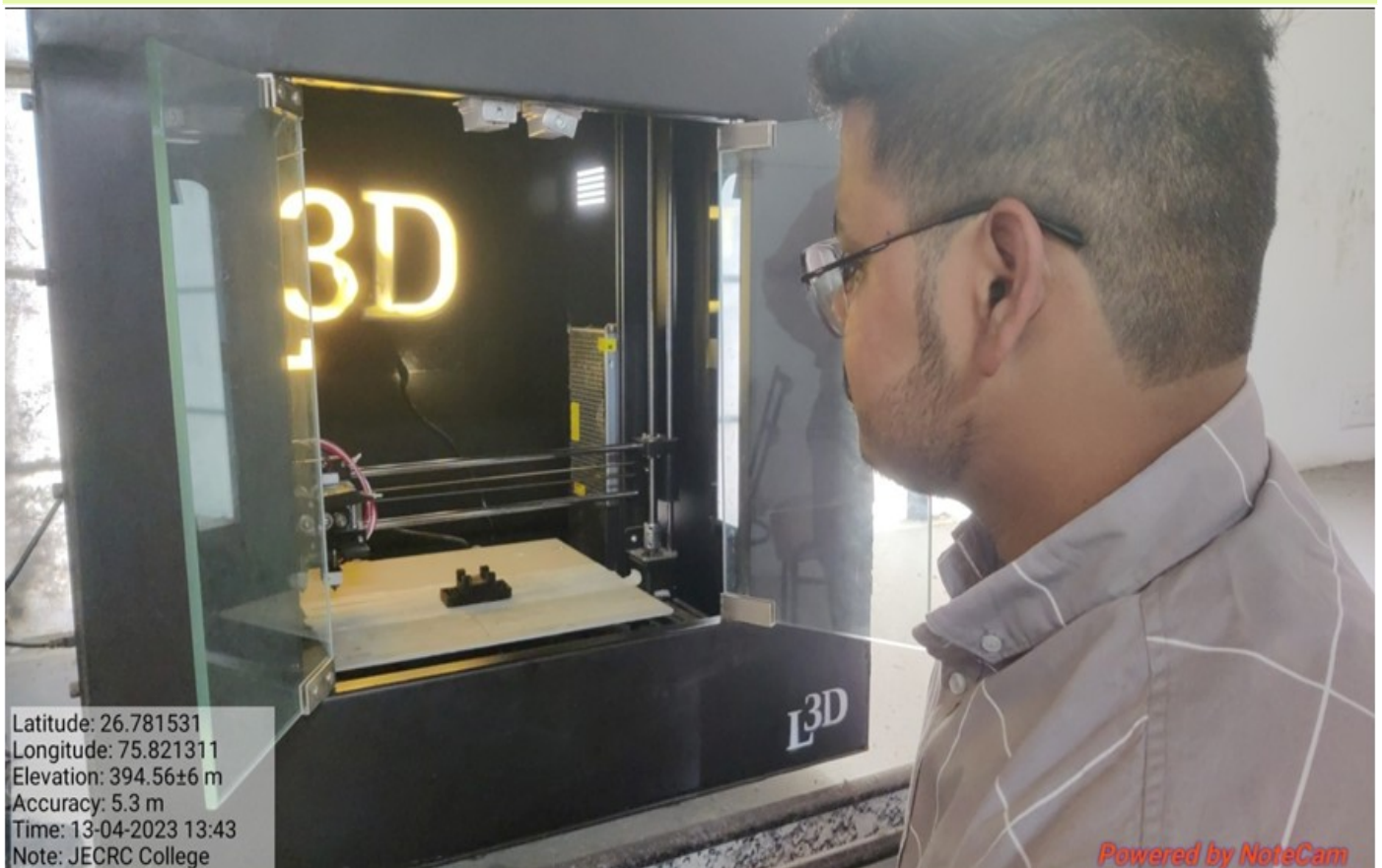
2D-drawing (1 drawing/25 marks/30 min.)

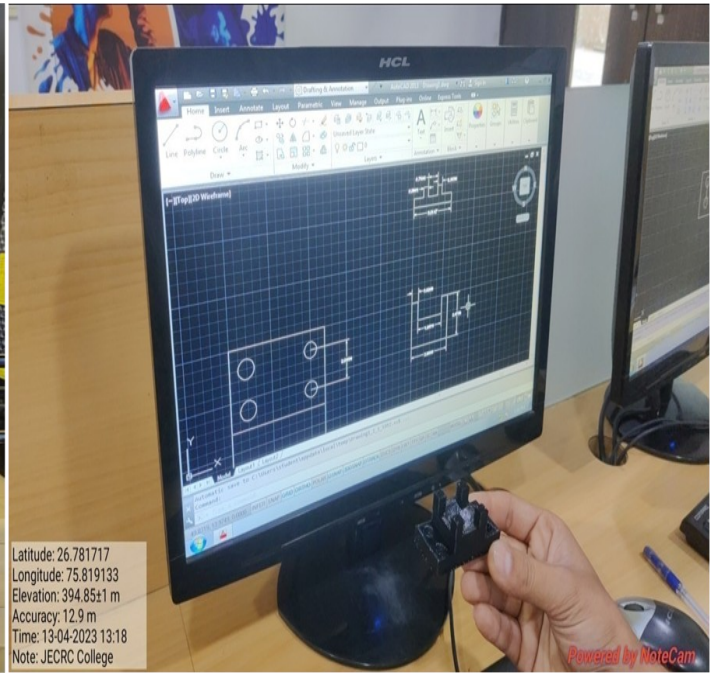
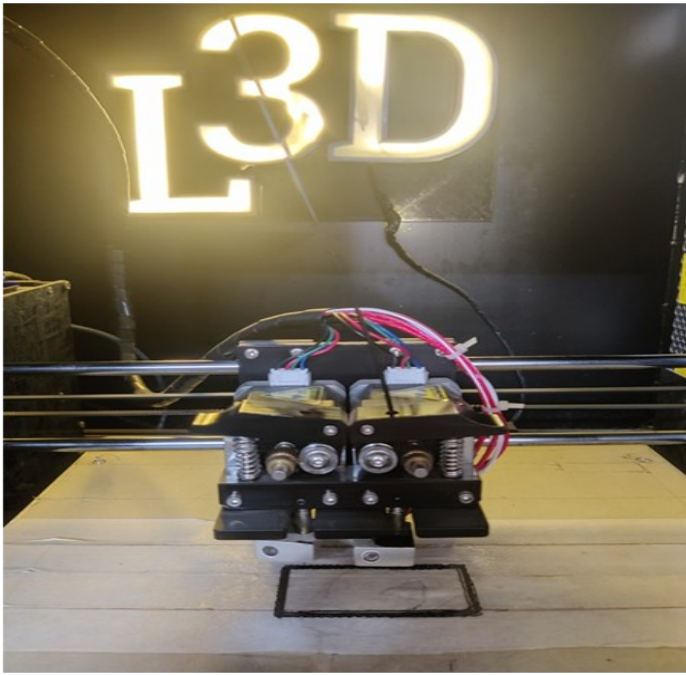
Round 2:

The student who qualified 1st round moved to the second round. Contestants were given a 3D drawing and its all three views (F.V., T.V., and S.V.) were drawn with dimensions in 90 min. (60 marks)

Round 3:

Printing of top 3 participants' drawings using 3D printer.





Latitude: 26.781717
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Elevation: 394.85±1 m
Accuracy: 12.9 m
Time: 13-04-2023 13:18
Note: JECRC College



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Note: JECRC College



EXPERT LECTURE

BY Mr. AJMEERA BALU(CIPET)

'Expert Lecture' was conducted by the Department of Mechanical Engineering, Jaipur Engineering College and Research Centre, Jaipur for the students of 3rd year/VI semester Mechanical Engineering on 22.03.2023. Dr. Manoj Gupta and Mr. Yogesh Dubey were the faculty coordinators of this expert lecture. The lecture was conducted by Mr. Ajmeera Balu, He is working at Central Institute of Plastics Engineering & Technology (CIPET), Jaipur as a Assistant Technical Officer since 2019. He is expert with latest plastic processing machines of varying capacities required for training and technical support services. He is expert in plastic mold manufacturing and plastic product manufacturing utilizing available spare capacities.





EXPERT LECTURE

BY Ms. Priya Kanwar (CIPET)

'Expert Lecture' was conducted by the Department of Mechanical Engineering, Jaipur Engineering College and Research Centre, Jaipur for the students of 3rd year/VI semester Mechanical Engineering on 23.13.2023. Dr. Manoj Gupta and Mr. Yogesh Dubey were the faculty coordinators of this expert lecture. The lecture was conducted by Ms. Priya Kanwar Rathore. She is working at Central Institute of Plastics Engineering & Technology (CIPET), Jaipur as an Assistant Technical Officer since 2022. She is expert with latest plastic processing machines of varying capacities required for training and technical support services. She is expert in Additive manufacturing and plastic product manufacturing utilizing available spare capacities.





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Note: CAD lab D block JECRC

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JAIPUR ENGINEERING COLLEGE
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