

# Jansons Institute of Technology

# **Department of Mechanical Engineering**



(Half yearly newsletter)

Volume : 6 Issue : 1

# May / June 2022

## <u>Editor</u>

Mr.F.Alexander (AP/Mech)

Advisor Committee

- Dr.M.Muthukumaran (Prof / Mech)
- Mr.S.J.Davis Hans (AP/Mech)

Students Coordinator

Mr.Kumaraguru K S

- Final Year Mech
- Mr. Naveen E
  - Third Year Mech

# Vision of the Department

 To groom and mould outstanding professionals in the field of mechanical engineering.

# **Mission of the Department**

M1 : To impart quality-bound technical education through knowledge and innovation to succeed in ever-advancing mechanical streams.

M2 : To sharpen young minds through state-of-the-art facilities and projects towards future challenges.

M3 : To foster ethical values through holistic learning, teamwork culture, and socio-economic standards for sustainable growth.

# **Program Educational Objectives (PEOs)**

PEO1 : Graduates will be practitioners in the design, manufacturing, service, and process industries.

PEO2 : Graduates will pursue higher education, be involved in research or become entrepreneurs.

PEO3 : Graduates will be ethically and socially responsible and contribute to society and the country.

# **Program Specific Outcomes (PSOs)**

PSO1 : Apply knowledge of mathematics, science, and engineering fundamentals to model, design, and analyse components or processes.

PSO2 : Apply the knowledge gained in mechanical engineering to the design of product components using CAD/CAE tools.

PSO3 : Apply the acquired knowledge to innovative solutions to cater to societal needs and industrial problems.



## Department of Mechanical Engineering organizes an online Alumni Association programme on "Industrial Expectations in Quality Aspects" on 28th January 2022.



JIT - IIC & Mobility Club organizes an online webinar on "Revolutionary Ideas and Innovation in Automobile Industry" on 12th February 2022.

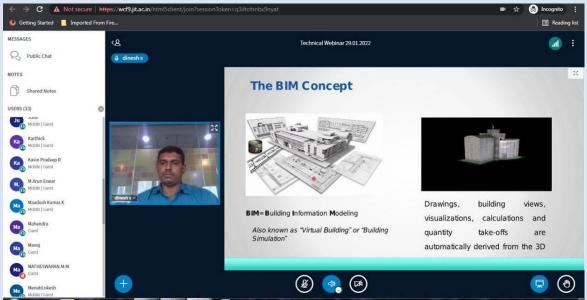




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Department of Mechanical Engineering & IIC organizes a webinar on "Creative and Innovative Product Development for Smart Building" on 29th January 2022.





Mr. S. DINESH, Project Lead, Jones Lange Laselle (JLL), Hyderabad acted as a resource person for the webinar.



Department of Mechanical Engineering organizes Career Guidance Programme on "Opportunities for Mechanical Engineers in Gulf Countries" on 12th February 2022.



Mr.M.Balakrishnan, working as a QC Engineer (Welding - Painting – Lining) ACORTEC, JUBAIL ,Kingdom of Saudi Arabia was acted as a resource person for the session.



Career orientation programme was conducted for the students of Jansons Institute of technology on 18.04.2022 on the topic "Interview Etiquette - Essential Tips to Excel". Mr.Mukesh P Alumni (2019 Batch), presently working as a Talent Acquisition Associate at Diamond Pick, Chennai was acted as a resource person



Department of Mechanical Engineering in association with IIPE organizes "JOY OF CODING - CNC Programming Contest for an Innovative Product Design" on 15th March 2022





SAE India - JIT Collegiate Club in association with COINDIA organizes an one day workshop for Polytechnic Students on "Skill Enhancement in Manufacturing & Production" on 01st April 2022.



Department of Mechanical Engineering organizes a Guest Lecture on "Theoretical & Computational Concepts in Finite Element Analysis (FEA)" on 21st April 2022.

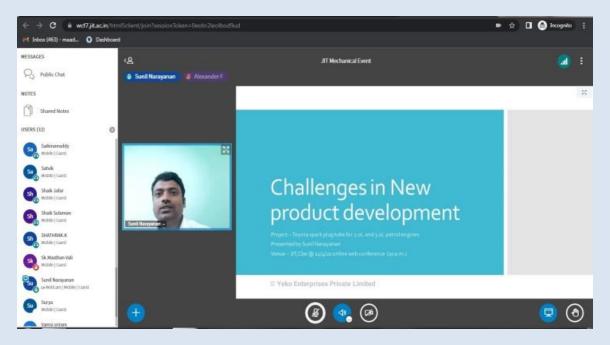




Department of Mechanical Engineering organizes "Challenges in New Product Development - Solving Roadblocks Towards Success" on 11th April 2022.



Webinar was conducted for the Mechanical Engineering Students on the Topic " Challenges in New product development - Solving Roadblocks towards Success" on 11.04.2022 (10.00 - 11.00 AM) through Hybrid Mode (both online and offline). Resource person for the session was, Mr. Sunil N, Management Representative, YEKO Enterprises Pvt. Ltd – Hosur







Department of MECH, SAE India JIT Collegiate Club in association with Maruti Suzuki Driving School organizes a campaign on "Road Safety and Awareness" on 23rd May 2022.

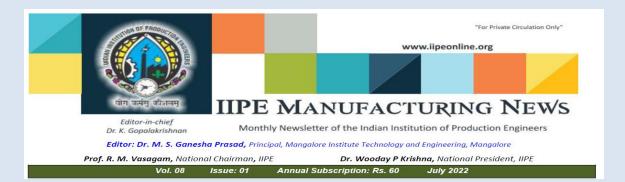




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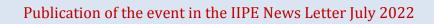
Department of Mechanical Engineering and Indian Institution of Production Engineering organizes "Digital Prototyping - An Innovative Product Making Challenge" on 29th April 2022.



Event Objective: The objective of the Technical Contest is exploring students towards the design software for product modelling Event Summary: Prototyping is a draft version of a product or the overall design concept to users before investing time and money into development. Digital Prototyping gives conceptual design, engineering, manufacturing to virtually explore a complete product before it's built. To explore students towards the design software for product modelling a Technical Contest - "Digital Prototyping An innovative Product Making Challenge" was conducted for the Mechanical Engineering Students by the indian Institution of Production Engineers (IIPE) in association with JIT IIC on Apr 29, 2022 from 03.15 PM onwards. In this Contest, the participants are provided with a finished lathe work piece (Physical model) and they have to create a digital model with mechanical design software. The event planned for a team (Maximum of two members) in the CAD Laboratory, JIT. Registration form was shared to all the students of mechanical engineering department and interested students actively registered for the event. All the Participating teams are provided with a Vernier Calliper to measure the accurate dimensions of the lathe work piece. The participating teams were evaluated based on Product Modelling, Dimensioning and Presenting the modelled component. Based on the Scores obtained, the best performing teams were selected and honoured with Appreciation E-Certificate and all the participants are provided with an E-Certificate. Feedback form was shared to the participanticipants; participants felt that the contest was interesting and helpful to familiarize the mechanical design software and the related tools.

Event Outcomes: Students will be aware of the different tools and software used in the Industries to make the Product design for manufacturing





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A Technical Talk on the topic "Submersible Pumps – An Industrial Overview" was planned for the first year mechanical and civil engineering students on 25.02.2022 from 10.30 AM onwards. The Event was organized by Standards Club, JIT in association with Bureau of Indian Standards, Coimbatore Division at the Seminar Hall.



An Industrial Visit is planned in the Deccan Pumps, Coimbatore for the First year Mechanical and Civil Engineering Students of Jansons Institute of Technology on 25.02.2022 at 02.00 PM.





ICSTEM

**Jansons Institute of Technology** 

# ICSTEM-2022 VIRTUAL CONFERENCE

# INTERNATIONAL CONFERENCE ON

# SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

#### 28TH MAY 2022 | COIMBATORE, INDIA

**Organized By** Jansons Institute of Technology, Coimbatore, India in Association with Institute For Engineering Research and Publication (IFERP)

# Scopus'

#### **CHIEF PATRONS**

#### Rtn.MPHF.Shri. T.S.Natarajan CHAIRMAN Jansons Institute of Technology, Coimbatore PATRONS

**IFERP** 

Shri. T. N. Kalaimani, VICE-CHAIRMAN, Jansons Institute of Technology, Coimbatore Shri. T. N. Thirukumar, VICE-CHAIRMAN Jansons Institute of Technology, Coimbatore

#### **STEERING COMMITTEE CHAIR**

Dr. V. Nagarajan, PRINCIPAL, CONVENER Jansons Institute of Technology, Coimbatore

#### STEERING COMMITTEE MEMBERS

Scopus' Remember Croup date

Dr. S. Elangovan, VICE PRINCIPAL, CO-CONVENER Jansons Institute of Technology, Coimbatore

Dr. M. V. Sureshkumar, DIRECTOR ADMISSIONS, CO-CONVENER Jansons Institute of Technology, Coimbatore

Dr. M. Muthukumaran, PROF & HEAD - MECH, CO-CONVENER Jansons Institute of Technology, Coimbatore



#### **Organizing Committee**

Dr. K. Moothi, ASP&HEAD - AI&DS Jansons Institute of Technology, Coimbatore Dr. S. Ragunath, ASP&HEAD - CIVIL. Jansons Institute of Technology, Coimbatore Dr. A. Velayutham, PROF & HEAD - CSE Jansons Institute of Technology, Coimbatore Dr. G. Vetrichelvi, PROF & HEAD - ECE Jansons Institute of Technology, Coimbatore Dr. T. Meenakshi, PROF & HEAD- EEE Jansons Institute of Technology, Coimbatore Dr. B. Senthilnathan, PROF. MATHS Jansons Institute of Technology, Coimbatore Dr. D. Geethalakshmi, PROF. PHYSICS Jansons Institute of Technology, Coimbatore Dr. P. Meena Sundari, PROF. CHEMISTRY Jansons Institute of Technology, Coimbatore

### **Call For Paper** Computer Science



Electrical, Electronics & Communication



ience & Mechanical



nce & Mathematics

Important Dates)

**Early Bird Registration Deadline** : 09th May 2022 Abstract Submission : 13th May 2022 **Full Paper Submission Registration Deadline** 

+91-9150156932

: 18th May 2022 : 24th May 2022

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info@icstem.in (

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Venue: Jansons Institute of Technology, Karumathampatti, Coimbatore - 641-659, Tamil Nadu, INDIA

**Contact Us** 

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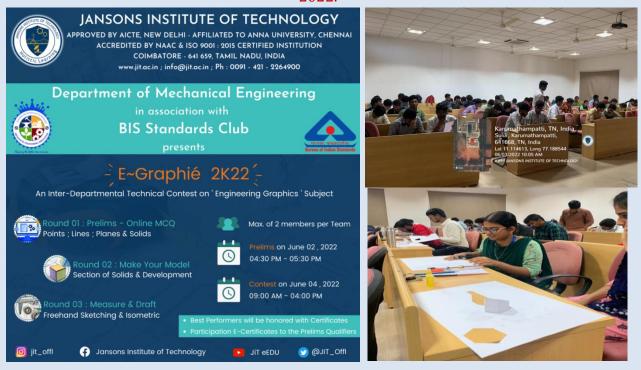


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Conference Alerts Constant

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## Department of MECH in association with BIS Standards Club organizes "E-Graphie 2K22 -An Inter-Departmental Technical Contest on Engineering Graphics subject" on 04th June 2022.







Department of MECH in association with BIS Standards Club & ISTE TN Section organizes "E-Graphie 4.0 - National Level Technical Contest" on 18th June 2022.









| S.No. | Name of Teacher      | Name of conference/ workshop attended<br>/ Professional Body Membership Fee for<br>which financial support provided | Amount of<br>support<br>received<br>(in INR) |
|-------|----------------------|---|--|
| 1     | Mr.F.Alexander       | IIPE Membership   | 500  |
| 2     | Mr.F.Alexander       | FDP on " Design Practice"   | 1000   |
| 3     | Mr.Murali.V          | International Conference on Science,<br>Technology, Engineering and Mathematics<br>(ICSTEM - 22)                    | 1500   |
| 4     | Mr.K.Maadesh Kumar   | International Conference on Science,<br>Technology, Engineering and Mathematics<br>(ICSTEM - 22)                    | 1500   |
| 5     | Dr.M.Muthukumaran    | Laser Applications in Machining and Material Processing   | 1000   |
| 6     | Dr. Matheswaran M.M. | Online workshop on Innovation, startup and Technology   | 250  |
| 7     | Dr.N.Srinivasan      | Intellectual Property Rights – Patent Filing<br>Procedure   | 950  |
| 8     | Mr.S.J.Davis Hans    | Design Thinking - Process and Methods   | 1790   |
| 9     | Mr.M.Magesh          | NPTEL FDP on " Design Practice"   | 1000   |

# List of Teaching Faculties Provided with Financial Support for the Academic year 2021-2022

