

**DEPARTMENT OF MECHANICAL  
ENGINEERING**

**NEWS LETTER**

*Technie's Dreams*  
*Vol.9, Issue 2, 2023*



**EDITORIAL STUDENT MEMBERS**

**Mr.V.Rohit**  
**Mr.S.Vignesh**  
**Mr.R.Vinosa**

**EDITORIAL FACULTY MEMBERS**

**Mr.R.Ramesh Babu**

*May 2023*

**Institute  
Vision & Mission**

**VISION**

- To impart quality technical education emphasizing innovations and research with social and ethical values.

**MISSION**

- Establishing state-of-the-art infrastructure, effective procedures for recruitment of competent faculty and innovative teaching practices.
- Creating a conducive environment for nurturing innovative ideas and encouraging research skills.
- Inculcating social and ethical values through co-curricular and extra-curricular activities.



# HOD's MESSAGE

**"Create. Build.  
Succeed. Lead."**

- Our mission is to nurture future-ready engineers, drive impactful research, and contribute to technological advancements that shape the world.
- Through a blend of academic rigor, hands-on experience, and collaboration with industry leaders, we aim to provide a holistic learning environment. I encourage all students, faculty, and staff to actively engage in this journey of discovery and innovation.
- Together, let's uphold our tradition of excellence and engineer solutions for a sustainable and prosperous future.

## Department Vision & Mission

### **VISION**

- To create innovative, entrepreneurial and socially committed Mechanical Engineers to meet industrial demands.

### **MISSION**

- Developing core competency in Mechanical Engineering through state-of-the-art facilities and effective teaching practices.
- Encouraging and nurturing research potential and promoting entrepreneurial endeavors.
- Instilling social and ethical values through extension activities.



## List of Faculty Members

- Dr.P.Manimaran
- Dr.S.Goshteeswaran
- Dr.A.Saiyathibrahim
- Mr.S.N.Vijayan
- Mr.K.P.Harshavardhan
- Mr.P.Prakash
- Mr.R.Ramesh Babu
- Mrs.S.Karthika
- Mr.A.J.Infant Jegan Rakesh
- Mr.M.Pradeep
- Mr.R.Murali krishnan
- Mr.S.Praveendhanapal
- Mr.S.Rajendran
- Mr.K.Lokesh Kumar
- Mr.B.Manup
- Mrs.K.Thriveni



**"Success is earned through persistence, passion, and purpose."**

## Faculty Achievements



- Mr. R. Venkatesh excelled in his 8-week course on Advanced Machining Processes with an elite score.



- Mrs. K. Thriveni successfully completed an 12-week course on Advanced Machining Processes, achieving a commendable score.

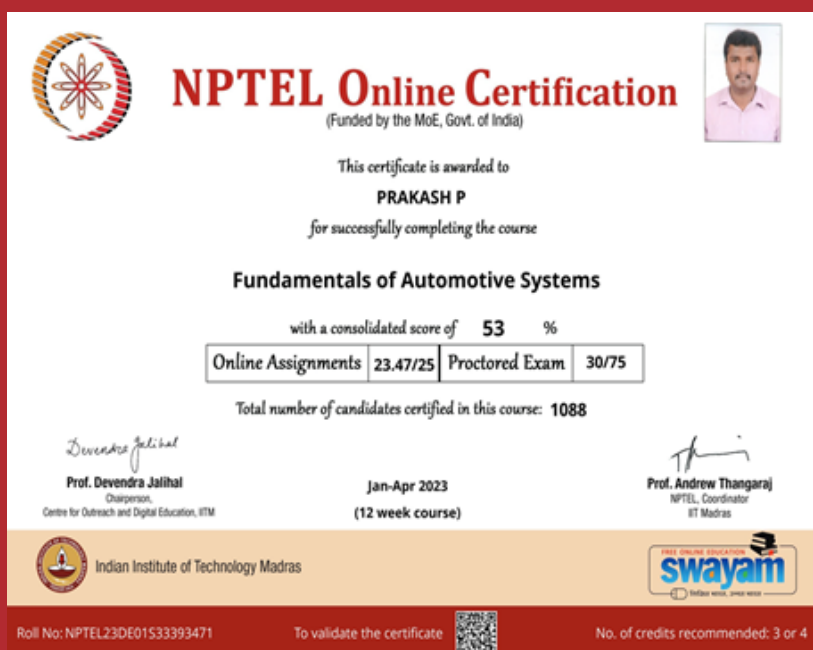




- Mr. K. Premnath successfully completed an 12-week course on Advanced Machining Processes, achieving a commendable score.



- Mrs. V. Preethi excelled in his 12-week course on Advanced Machining Processes with an elite score.



- Mr. P. Prakash successfully completed an 12-week course on Advanced Machining Processes, achieving a commendable score.



# Student Achievements



Mr. R. Bharthiswarn, a second-year student of the Mechanical Engineering department, has achieved remarkable success by securing the Bronze position in the Senior Men division at the prestigious boxing competition organized by the Tamil Nadu State Boxing Association. This event was held from February 17th to 19th, 2023. Mr. Bharthiswarn's dedication, hard work, and exceptional skills in the sport of boxing have earned him this well-deserved recognition, bringing pride to both his department and the institution. His accomplishment serves as an inspiration to his peers, demonstrating that with determination and perseverance, excellence can be achieved not only in academics but also in extracurricular pursuits.



**KARPAGAM**  
INSTITUTE OF TECHNOLOGY  
Inspiring Innovation  
An Autonomous Institution  
Approved by AICTE and affiliated to Anna University  
NBA Accredited (E/O, P/ R/O) Accredited by NAAC with 'A++' grade  
(An ISO 9001:2015 and ISO 14001:2015 Certified Institution)

**Hearty Congratulations!**

Department of Mechanical Engineering  
Karpaga Vinayaga College of Engineering & Technology  
National Level Bike Event (EYANDHIRA\_24)

Happy to share that our Mechanical Engineering Team Black Piston

**WON FIRST PRIZE**

with a cash award of **Rs.15,000** in  
a National Level Bike Event (EYANDHIRA\_24)

**National Level Bike Event (EYANDHIRA\_24)**  
CONDUCTED BY  
Karpaga Vinayaga College of Engineering & Technology

L & T By pass road, Bodipalayam post, Eachanari, Coimbatore - 641105 | [www.karpagamtech.ac.in](http://www.karpagamtech.ac.in)

Mechanical Engineering Team, Black Piston, has won the First Prize at the National Level Bike Event (EYANDHIRA\_24), organized by Karpaga Vinayaga College of Engineering & Technology. The team was awarded a cash prize of Rs. 15,000 for their outstanding performance.

This achievement showcases their dedication, technical skills, and teamwork, bringing pride to our department. Congratulations to the Black Piston team for their success, and we look forward to more such victories in the future!




# Student Achievements

S.No	Name of the Student	Name of the Events/ Contests	Achievements/ Prizes
1	Srivignesh B	National level mini Bike Design Fabrication and Racing Contest	Winner (1 st Prize)
2	Rameshkumar M	National level mini Bike Design Fabrication and Racing Contest	Winner (1 st Prize)
3	Gokulnathan P	National level mini Bike Design Fabrication and Racing Contest	Winner (1 st Prize)
4	Mohammed Anas M.S	National level mini Bike Design Fabrication and Racing Contest	Winner (1 st Prize)
5	Rohit V	National level mini Bike Design Fabrication and Racing Contest	Winner (1 st Prize)
6	Ashok K	National level mini Bike Design Fabrication and Racing Contest	Winner (1 st Prize)
7	Abdul Ansaf A	National level mini Bike Design Fabrication and Racing Contest	Best Design Award
8	Muthu M	National level mini Bike Design Fabrication and Racing Contest	Best Design Award
9	Rajamanikandan M	National level mini Bike Design Fabrication and Racing Contest	Best Design Award
10	Srisanthosh S	National level mini Bike Design Fabrication and Racing Contest	Best Design Award
11	Ragul R	National level mini Bike Design Fabrication and Racing Contest	Best Design Award
12	Rajkumar S	National level mini Bike Design Fabrication and Racing Contest	Best Design Award



We are thrilled to announce that our team has won the **1st Prize** at the **National Level Mini Bike Design, Fabrication, and Racing Contest** held on 30th and 31st March 2023 at **Karpaga Vinayaga College of Engineering and Technology, Chennai**.



In addition to the top prize, the team **also received the Best Design Award** for their outstanding innovation and technical skills. This achievement highlights their hard work and creativity, bringing great pride to our department. Congratulations to the team on this well-deserved success!

1	Viswajith M	Treasure Hunt	First Prize
2	Gokul R	Treasure Hunt	First Prize
3	Santhosh Kumar S	Treasure Hunt	First Prize
4	Naveen S	Photography	Second Prize

Our team has **won the First Prize** in the **Treasure Hunt competition** at **Adithya Institute of Technology, Coimbatore**.

This victory showcases the team's exceptional problem-solving skills, strategic thinking, and teamwork. Their success in this challenging event brings immense pride to our institution. Congratulations to the entire team for their hard work and well-deserved achievement!.







## INDUSTIAL VISIT

The Department of Mechanical Engineering at Karpagam Institute of Technology organized an insightful one-day industrial visit to Anna Aluminum Pvt. Ltd., located in Kochi, Kerala, for the Second-year B.E. Mechanical Engineering students. The visit, held on 17th March 2023, was attended by 36 students along with 2 faculty members.

This industrial visit provided students with an excellent opportunity to witness the practical applications of mechanical engineering concepts in the real world. They gained valuable insights into the manufacturing processes, operations, and quality control procedures at Anna Aluminum Pvt. Ltd., further enhancing their understanding of the industry. The visit was both educational and enriching, helping bridge the gap between theoretical learning and practical experience.

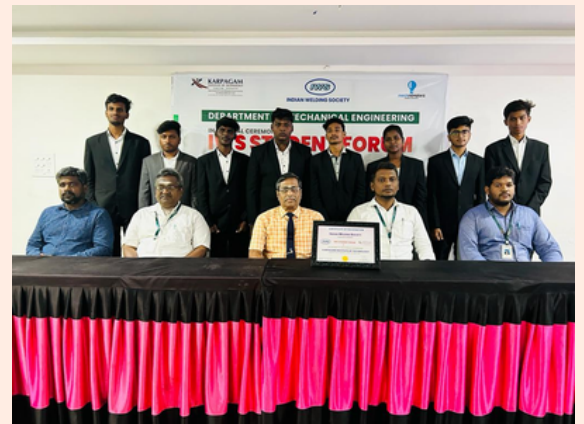


# IWS Inauguration

The Indian Welding Society (IWS) Student Forum was successfully inaugurated in the Department of Mechanical Engineering at Karpagam Institute of Technology, Coimbatore. The event was graced by Dr. N. Raju, Hon. Secretary of IWS (Southern Zone) and retired Additional General Manager of BHEL, as the chief guest.

The ceremony began with a welcome address by Mr. A.J. Infant Jegan Rakesh, Assistant Professor of Mechanical Engineering, followed by lamp lighting by the dignitaries, including the Principal Dr. P. Manimaran, Vice Principal Dr. D. Bhanu, and Dean (Academics) Dr. V. J. Arulkarthick.

The newly elected IWS Student Forum Chairperson, Mr. R. Lokesh (II Year Mechanical Engineering), introduced his team of office bearers. Ms. R. Vinosha, Joint Secretary, II Year Mechanical Engineering, introduced the chief guest. Dr. N. Raju delivered an inspiring speech on “Welding for Beginners,” emphasizing the importance of welding in fabrication and the benefits of being part of the IWS Student Forum. He encouraged students to pursue their passions and contribute to welding innovations and research.



*The Management, Principal, Vice Principal, Faculty members  
and Students of the*  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
Cordially Invite you to the Inauguration Ceremony of

## IWS STUDENT FORUM

on 13 April 2023, Thursday at 09:30 AM  
Venue : Seminar Hall, B-Block

*Chief guest*  
**Dr. N. RAJU**  
Hon. Secretary, Indian Welding Society (Southern Zone)  
Additional General Manager (Retd.)  
BHEL, Truchirappalli.

*Presidential address*  
**Dr. R. VASANTHAKUMAR**  
Chairman  
Karpagam Institutions

*In the august presence of*  
**Shri. K. MURUGAIAH**  
Chief Executive Officer  
Karpagam Institutions

*Conveners*

**Dr. P. MANIMARAN**  
Principal

**Dr. D. BHANU**  
Vice Principal

**Dr. V. J. ARULKARTHICK**  
Dean - Academics

**Dr. A. SAIYATHIBRAHIM**  
HOD / Mechanical

*Faculty Coordinators*

**Mr. S. N. VIJAYAN**  
AP / Mechanical

**Mr. A. J. INFANT JEGAN RAKESH**  
AP / Mechanical



# WEBNIAR NDT



The guest speaker, an expert in the field, will discuss how innovative NDT techniques have improved the reliability and accuracy of inspections, reduced inspection time, and decreased maintenance costs. They will provide examples of the use of advanced NDT methods such as phased array ultrasonic testing, computed tomography, and digital radiography, in various industries such as aerospace, oil and gas, manufacturing, and construction.

Resource Person

**Er.S.Sivaperumal,**

Managing Director,

Shri Sai Institute of NDT,  
Puducherry

Er.R.Pradeep Kumar,

Technical head,

Shri Sai Institute of NDT,  
Puducherry

The event will explore the latest advancements in non-destructive testing (NDT) and evaluation techniques, which have revolutionized the way industries, evaluate and assess the integrity of their structures and equipment.



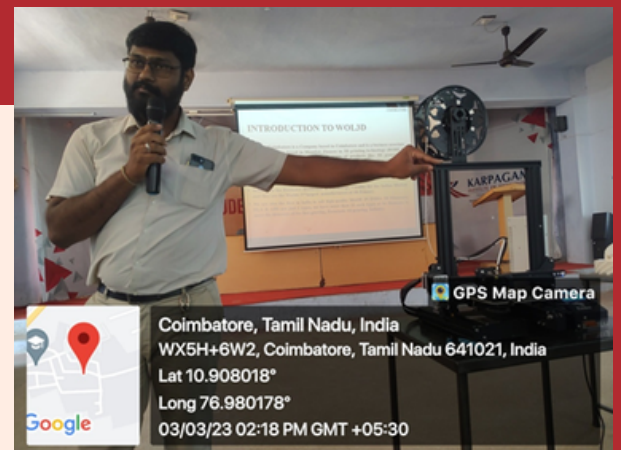
# WEBNIAR ON 3D PRINTING

On behalf of Department of Mechanical Engineering, organized a Workshop on 3D Printing. The session was handled by Mr.Prathap Singh, Head of Operations, WOL3D, Coimbatore.

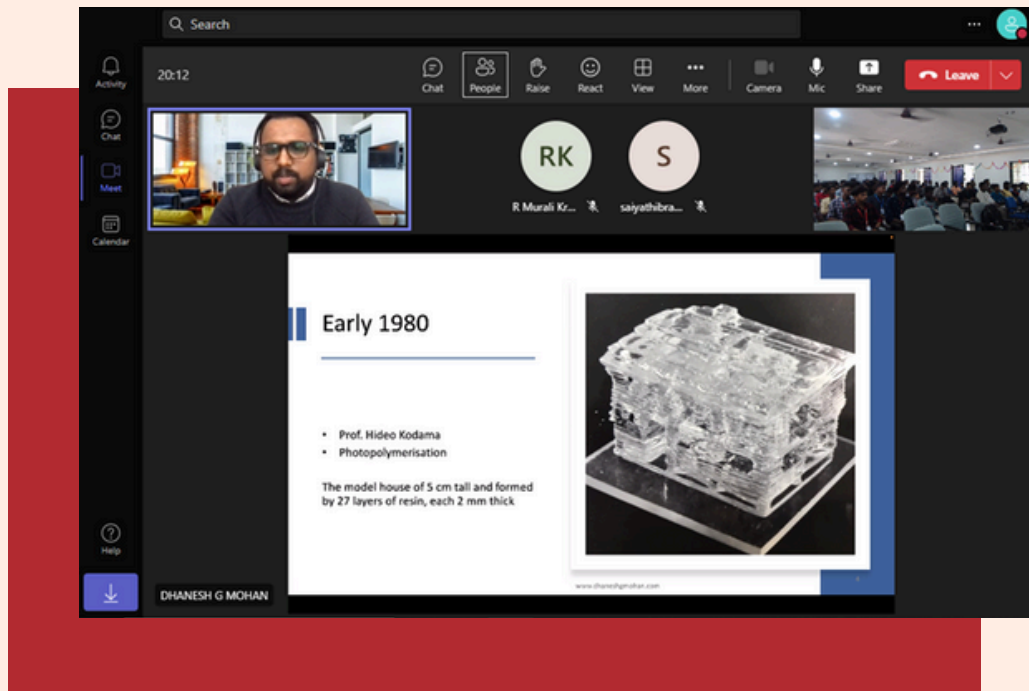


The poster features the logos of Karpagam Institute of Technology, IIC, IIF, IWS, and Mechnovatorz. The text reads: 'DEPARTMENT OF MECHANICAL ENGINEERING Workshop on 3D Printing In Association with IIC, IIF, IWS & Mechnovatorz'. A portrait of Mr. Prathap Singh is shown with the text 'RESOURCE PERSON Mr. Prathap Singh Head of Operations, WOL3D Coimbatore.' The date 'MAR 03 2023' and time 'Time: 02:00 PM Venue: FBlock - Auditorium' are also present. At the bottom, a list of conveners and coordinators is provided: Conveners (Dr.P.Manimaran, Dr.D.Bhanu, Dr.A.Saiyathibrahim) and Coordinators (Mr.R.Murali Krishnan, Mr.M.Pradeep).

The Department of Mechanical Engineering in Association with KIT - Institute's Innovation Council, Indian Institute of Foundrymen, Indian welding Society , and Mechnovatorz jointly organized a workshop on "3D Printing"on March 3rd , 2023 (Friday) at 02.00 am in Auditorium (F - Block). The session will be handled by Mr. Prathap Singh, Head of Operations, WOL3D Coimbatore.



# WEBINAR ON ADDITIVE MANUFACTURING



The Department of Mechanical Engineering in Association with KIT - Institute's Innovation Council, Indian Institute of Foundry Men, Indian Welding Society, Indian Society for Technical Education and Mechnovatorz (Student's Association) jointly organized a Webinar on "Additive Manufacturing Challenges, Trends and Applications" on April 17th , 2023 (Tuesday) at 12.00 PM on Microsoft Teams.

The session will be handled by **Dr. Dhanesh G. Mohan**, M.E., Ph.D., M.B.A., P.D., P.E., C.Eng., Associate Professor, Department of Material Processing Engineering, Zhengzhou Research Institute, Harbin Institute of Technology, Zhengzhou, China.



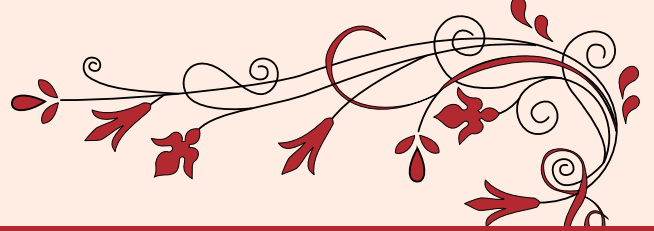


**Seminar on Recent technologies in Metal 3D Printing** was held on 11.02.2023. The lecture was given by Er.Jayaganesh Subburaj, Design Engineer, Design Galaxy, Coimbatore.



The Department of Mechanical Engineering in Association with Indian Institute of Foundry men and Indian Society for Technical Education jointly organizing a **seminar on “Scope of Design and Modelling in Mining Industries”** on April 01, 2023 (Saturday) at 10.30 AM. The session will be handled by Er.P.Vignash, Design Engineer, Bradken India Pvt Limited, Coimbatore.

# STUDENTS CORNER



**Mr.V.LAKSHMI NARASIMMAN**

"As mechanical engineers, we are at the forefront of some of the most exciting developments in technology. From sustainable energy solutions to cutting-edge robotics, the future is full of opportunities. I look forward to seeing how the next generation of engineers from KIT will continue to drive innovation and make an impact in the world."

"The future of mechanical engineering is incredibly exciting. Whether it's working on renewable energy technologies, advanced robotics, or next-gen automotive systems, the opportunities for innovation are endless. I'm confident that the skills and creativity developed at our college will enable future graduates to lead in these areas and make a lasting impact."

**Mr.K.M.S.HARIHARAN**



**Mr.S.SATHISH**



"As we move forward, I believe mechanical engineers will be at the heart of many technological revolutions. From the development of eco-friendly transportation systems to cutting-edge medical devices, the possibilities are endless. The future of engineering will be shaped by interdisciplinary collaboration, and mechanical engineers will play a key role in designing solutions that address global challenges, such as climate change, energy efficiency, and sustainable manufacturing."

