

MAGAZINE 2021- 22

YANTHROHAM



**DEPARTMENT OF MECHANICAL ENGINEERING
GLOBAL ACADEMY OF TECHNOLOGY**



VISION

Become one of the leading providers of education in Mechanical Engineering with emphasis on research, development and innovation for the benefit of society.

MISSION

M1: Impart quality technical education in the field of Mechanical Engineering through excellent teaching-learning process, modern infrastructure and computing tools.

M2: Prepare students for successful careers by providing placements and encouraging research, development and innovation through Industry-Institute Interaction.

M3: Instil professional ethics and environmental consciousness amongst students through inclusive development programs.

PROGRAM EDUCATIONAL OBJECTIVE (PEOs)

PEO of Graduate students in Mechanical Engineering aims to have:

PEO1: Engineering competence, critical thinking, creativity, and ethical inclusivity in professional practice.

PEO2: Continuous intellectual growth through advanced education, professional development, independent inquiry, and experiential learning.

PEO3: Leadership and teamwork excellence throughout professional careers.

PROGRAM SPECIFIC OUTCOMES (PSOs)

After successful completion of Mechanical Engineering Program, the graduates will be able to:

PSO1: Specify, design, and analyze machine elements using CAD/CAE software.

PSO2: Evaluate thermal performance of Heating, Ventilation & Air-Conditioning systems, Electronic systems, Solar Roof Top Photo-Voltaic systems using experimental approach or /and CFD tools and design these systems for better performance.

PSO3: Develop composite materials, manufacturing processes and products in an efficient, safe and cost-effective manner.

HOD'S MESSAGE



Dear reader, I am thrilled to share with you that the department magazine 'YANTHROHAM' for the academic year 2021-22 is all set to be published. This magazine lives up to its name, as it showcases the variety and richness of imagination and creativity of our student and faculty members. I congratulate editorial team for hard work and dedication they have demonstrated in accomplishing this goal through medium of magazine. This offers a complete platform to exhibit students talent and highlight their creativity at its best. We aim to make every students from foundation to be a precious asset for nation and a virtuous human being for world across. We do special things like innovative teaching practices bridge gap between expectations industry academic inputs provided, by arranging add-on technical soft skill development programs. To go along with our innovative teaching practices, we have excellent faculty state art infrastructural facilities laboratories. We hope to continue delivering excellent technical education future.

Dr T Krishna Rao

VALUE ADDED PROGRAMS

Five Days Value Added program on Industrial Hydraulics and Pneumatics was organized from 25th April 2022 to 29th April 2022 for 8th Sem students of Mechanical Engineers. Total of 19 students attended the program.



PYTHON PROGRAMMING

Value added program on Python programming in association with department of Artificial Intelligence and Data Science was conducted during 11th April 2022 to 19th April 2022 for the students of Mechanical engineering.



TRAINING PROGRAM TATA GRADUATE ENGINEERING TRAINING BATCH -1

15 Days of Hands-on Training on CNC technology for Graduate Engineer

Trainees of Tata Electronics Pvt. Ltd., Hosur

Participants: GET of TEPL (29 Girls, 09 Boys)

Resource Person: Experts from CIM Center, GAT,

1. Mr. Rajiv, Director, Suprajiv

2. Mr. Thangaraj, Tech Expert, Skillsonics

Location: CIM Center, GAT

Date: 28 July 2021 – 13 August 2021



Meeting With Tata Delegates



TATA GRADUATE ENGINEERING TRAINING BATCH -2

**15 Days of Hands-on Training on CNC technology for Graduate Engineer Trainees
of Tata Electronics Pvt. Ltd., Hosur**

Participants: GET of TEPL (30 Girls, 03 Boys)

Resource Person: Experts from CIM Center, GAT,

1. Mr. Rajiv, Director, Suprajiv

2. Mr. Thangaraj, Tech Expert, Skillsonics

Location: CIM Center, GAT

Date: 16 Aug 2021 – 01 Sep 2021



TATA GRADUATE ENGINEERING TRAINING BATCH -3

15 Days of Hands-on Training on CNC technology for Graduate Engineer Trainees of Tata Electronics Pvt. Ltd., Hosur
Participants: GET of TEPL (30 Girls)

Resource Person: Experts from CIM Center, GAT,

1. Mr. Rajiv, Director, Suprajiv
2. Mr. Thangaraj, Tech Expert, Skillsonics

Location: CIM Center, GAT

Date: 06 Sep 2021 – 23 Sep 2021



INDUSTRIAL VISIT

ARIES PRECISION PVT LTD, PEENYA BANGALORE

DATE: 09-02-2022

Objective

-
- Apply the knowledge of engineering fundamentals in the manufacturing area
- Apply Proper technique and modern engineering tools in fabricating complex engineering components
- Attain the ability to engage independently and lifelong learning



Since 2006, APT has been a trusted supplier of sheet metal products across industries like panel builders, construction equipment manufacturers, modular furniture industry, Food industry and Automotive Industries. APT is reputed for its high quality, precision, and delivery record.

APT believes that growth and success are accomplished by inducing quality in every process of manufacture. We have cultivated our culture that stresses personal responsibility, continuous improvement, and teamwork.

APT has technical expertise which will help clients to design and develop products from concept stage. We are an ISO 9001:2015 certified company.

Around 10 students attended the visit and learnt about plasma cutting, sheet metal operations. Laser cutting machines were shown and explained by Mr.Reddy and Mr.chalapathy of Aries Precision Pvt.Ltd.

CULTURAL ACTIVITIES FOR 1ST YEAR MECHANICAL STUDENTS

Glimpse of cultural activities conducted for 1st year Mechanical Students during orientation program.



GUEST LECTURE

Guest lecture on “Insights on Tooling Engineering and Product Analysis and Job Opportunities” by was

Mr. Varkey George, Program Manager, TECOSIM Engineering Services Pvt. Ltd.

Was held on 28th June 2022



ACTIVITIES UNDER ISHRAE BANGALORE CHAPTER

1. Quiz Competition on "Application of Thermodynamics in Day-to-Day Life," conducted on September 18th, 2021 at Reva University.

Team	Student 1	Student 2
Team 1	Abhishek Kadam M (1GA18ME002)	Medipallivari Tharun Kumar Reddy (1GA19ME037)
Team 2	Deepak V N (1GA19ME022)	Harish Basavaraj Kamplikoppa (1GA19ME026)

Team 1 won the 1st prize with cash amount of 10,000/- at Reva Institute of Technology



Organized by STUDENTS @ ISHRAE Supported by ISHRAE Bangalore Chapter and ASHRAE Bangalore Chapter

ISHRAE Bangalore Chapter Presents

QUIZ Competition

for College Students

18th September 2021 at 10.00 am Onwards

Topic: "Application of thermodynamics in day to day life"

1st Prize - Rs. 10,000/-
2nd Prize - Rs. 7,500/-
3rd Prize - Rs. 5,000/-

Rules:

- Each team consists of 03 Members.
- Entry fees for ISHRAE & ASHRAE Student Members.
- Non Members Rs.100/- entry fee | 10year Complimentary Membership form.
- For registration, Please send the email to Madhankadam@gmail.com
- 18th Sep 2021 is the last date for registration.

VENUE : REVA UNIVERSITY
Bubbin Knowledge Park, Sullia Road, Dh 194, Sirsiwala Nagar, Bangalore, Karnataka 560061

RSVP : Mr. Madhank K Mob : 9008602728 President : Mr. Ajay Barzila | Secretary : Mr. Deepak S Students Chair : Dr. Rupesh Iyengar

1. Technical presentation on “Recent Advancements in Thermal Sciences” on Oct 23rd 2021

Team	Student 1	Student 2
Team 1	Abhishek Kadam M (1GA18ME002)	Harish Basavaraj Kamplikoppa (1GA19ME026)
Team 2	Biradar Shashank Satish (1GA19ME011)	Anjana P (1GA19ME008)
Team 3	Bhoomika (1GA19ME010)	Kunaal Patel N M (1GA19ME033)
Team 4	Abhay S (1GA19ME001)	Sandhya A (1GA19ME057)

Team 2 won 2nd Prize with a cash prize of Rs 5000/-



**INDUSTRIAL VISIT TO M/S AERO
DUCT UNDER THE REGIS OF ISHRAE
BANGALORE CHAPTER ON DEC 1ST
2021.**



YANTHROHAM

FACULTY COORDINATOR

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EDITOR

Dr. Shreekala N

Chiranjeevi V(1GA21ME003(VI Sem)

STUDENT MEMBERS

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