

A Report on Alumni guest lecture on
“Opportunities for Mechanical Engineers in the Design Stream”
Organised by Department of Mechanical Engineering
Date: 13.09.2024



MITS MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)
Angalu, Madanapalle - 517325, Andhra Pradesh, India
DEPARTMENT OF MECHANICAL ENGINEERING

IN ASSOCIATION WITH MITS
ALUMNI WELFARE & IIC

ALUMNI GUEST LECTURE
ON
OPPORTUNITIES FOR MECHANICAL ENGINEERS IN THE DESIGN STREAM

DATE: 13-09-2024
TIME: 1 to 3.00 PM
VENUE: KK-009

T. HANEEF
FOOD ENGINEER

ITC Limited
ITC PVT.LTD.
HYDERABAD

ORGANIZED BY THE DEPARTMENT OF MECHANICAL ENGINEERING

GPS Map Camera
null, Andhra Pradesh, India
JFHH+VVP, Anantapur - Tirupati Hwy,
Long 78.479700°
Lat 13.629711°
13/9/2024 01:46 PM

Report Submitted by: Mr. Muthu Lakshmanan, Assistant Professor, Department of Mechanical Engineering.

Resource Person Details: Mr. T. Haneef, Alumni Student, Food Engineer at ITC Pvt. Ltd. Hyderabad.

Venue and Time: KK Block and 1:00 PM - 3:00 PM.

Mode of Conduct: Offline.

Report Received on 21.09.2024.

On 13.09.24, the Department of Mechanical Engineering organized an alumni guest lecture session featuring **Mr. T. Haneef**, an esteemed alumnus of our institution who currently works as a **Food Engineer at ITC Pvt. Ltd. Hyderabad**. The session aimed to provide mechanical engineering students insights into opportunities available in the design stream, an area that holds great potential for aspiring engineers. The event was formally opened by Mr. Muthu Lakshmanan and Dr. S. Baskaran Head of the Department (HOD), who welcomed the alumni speaker and all attendees with an inspiring address, followed by a vote of thanks from the event coordinator Mr. Muthu Lakshmanan. The session facilitated an engaging dialogue between the students and Mr. Haneef, resulting in a highly productive and beneficial experience for the students.

Welcome Address by Mr. Muthu Lakshmanan:

The event commenced with a warm welcome address by Mr. Muthu Lakshmanan, the event coordinator of the Department of Mechanical Engineering. In his speech, Mr. Muthu Lakshmanan emphasized the significance of alumni interactions, citing them as a critical source of real-world insights for current students. He highlighted how alumni can bridge the gap between academic learning and industry expectations, making their interactions invaluable in preparing students for their future careers. Mr. Muthulakshmanan also underscored the relevance of design in mechanical engineering, noting that the field has evolved tremendously in recent years. He encouraged students to actively participate and ask questions, reminding them that the experiences shared by Mr. Haneef would provide them with a clearer understanding of career paths in the design sector.

Alumni Speaker: Mr. T. Haneef, Food Engineer, ITC Pvt. Ltd.

Mr. T. Haneef, a highly accomplished food engineer at ITC Pvt. Ltd., brought his extensive experience and focusing on "Opportunities for Mechanical Engineers in the Design Stream." Though his professional role primarily revolves around food engineering, Mr. Haneef shared valuable insights on the intersection between mechanical engineering and the design field, elaborating on how his mechanical engineering background laid the foundation for his career growth in food engineering.



Key Topics Covered by Mr. T. Haneef:

1. Importance of Design in Mechanical Engineering:

Mr. Haneef emphasized that design forms the backbone of many industries, from manufacturing and product development to food processing and packaging. Mechanical engineers equipped with strong design skills can contribute meaningfully to areas such as product design, system development, and process optimization.

2. Software Tools and Skills:

Mr. Haneef spoke at length about various design software tools commonly used in the industry, such as AutoCAD, SolidWorks, CATIA, and ANSYS. He explained how proficiency in these tools can enhance a mechanical engineer's employability and career progression. He also encouraged students to invest time in learning and mastering these software tools, as they are integral to design roles across industries.

3. Industry Demand for Mechanical Engineers in Design:

According to Mr. Haneef, industries such as automotive, aerospace, and food processing are constantly on the lookout for mechanical engineers with design expertise. He mentioned that design roles require creative problem-solving, technical knowledge, and attention to detail, all of which are fundamental skills for mechanical engineers. He also shared examples from his work experience, where mechanical engineers played a critical role in optimizing the design of food processing equipment at ITC Pvt. Ltd.

4. Career Pathways and Growth:

During his talk, Mr. Haneef outlined several career pathways for mechanical engineers interested in the design stream. From entry-level roles such as Design Engineer to higher-level positions such as Design Manager or Chief Design Officer, he emphasized that growth in this stream is both rewarding and challenging. He also provided practical advice on how students can build a portfolio of design projects to increase their chances of landing jobs in this competitive field.

5. Innovations and Emerging Trends:

Mr. Haneef touched on the emerging trends in mechanical design, including sustainable design practices, 3D printing, and the integration of artificial intelligence in the design process. He pointed out that staying updated on these innovations can give students a competitive edge in the job market, as many companies are actively seeking professionals who can contribute to future-forward solutions.

Student Interaction and Queries:

After Mr. Haneef's insightful presentation, the floor was opened for an interactive session with the students. Many students took this opportunity to ask questions and seek guidance on various aspects of mechanical engineering and design.

Some of the key questions raised by the students included:

- How can mechanical engineers without a design background transition into design roles?
- What are the emerging technologies that mechanical engineers should focus on?
- How can students best prepare for a career in design while still in college?

Mr. Haneef answered each question thoughtfully, encouraging students to pursue internships and hands-on projects related to design. He stressed the importance of staying curious, continually learning, and leveraging academic resources to build a strong foundation in design concepts. He also advised students to focus on acquiring a solid understanding of engineering fundamentals, as they form the basis of successful design work in any industry.

Vote of Thanks:

The session concluded with a heartfelt vote of thanks delivered by the event coordinator. The coordinator expressed gratitude to Mr. Haneef for taking time out of his busy schedule to share his knowledge and experience with the students. The coordinator also thanked all faculty for the support in organizing such events, as well as the students for their enthusiastic participation.

Conclusion:

The alumni interaction session with Mr. T. Haneef was an enriching experience for the students, providing them with valuable insights into opportunities for mechanical engineers in the design stream. The knowledge shared by Mr. Haneef, combined with the interactive Q&A session, helped students. Such interactions are essential in preparing students for the challenges and opportunities that lie ahead in their professional journeys. We look forward to organizing more such events in the future to continue fostering strong connections between our alumni and current students.