



## ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE,  
New Delhi. Recognized by Government of Karnataka.

**A+, Accredited by NAAC & NBA (ECE & CSE)**

Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka

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Date -03/06/24

To

IQAC Chairman

AIET, Mijar

Respected Sir

### **Sub: Requesting for permission conduct a technical talk**

We are happy to inform you that Department of Mechanical Engineering, is planning to organize a technical talk on 05/06/2024 for Mechanical Engineering, students .

The details are mentioned below, kindly request you do the needful.

### **Resource Person Details**

**Name:** Mr. Jagadish

**Designation:** Zonal Manager, L&T Construction

**Title :** Role of Mechanical Engineers in Construction Industry

**Venue:** CIVIL SEMINAR HALL

**Date/month/year:** 05/06/2024

**Mode :** OFFLINE

HOD  
H. O. D.

Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

Principal  
PRINCIPAL

Alva's Institute of Engg. & Technology,  
Mijar, MOODBIDRI - 574 225, D.K



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Date-03/06/24

### **CIRCULAR**

Students from Department of Mechanical Engineering are hereby informed to attend the Technical Talk by **Mr. Jagadish** Zonal Manager, L&T Construction.

**Date: 05/06/2024**

**Time: 10:30 am-11:30 am**

**Title of the Talk: : Role of Mechanical Engineers in Construction Industry**

**Venue : CIVIL SEMINAR HALL**

**MODE: OFFLINE**



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## A TECHNICAL TALK ON

### ROLE OF MECHANICAL ENGINEERING IN CONSTRUCTION INDUSTRY

Date: **05/06/2024**

Resource Person: **Mr. Jagadish**

Designation: **Zonal Manager L&T Constructions**

Mechanical Engineers plays a pivotal role in the construction industry. While often overlooked, the contributions of mechanical engineers are the bedrock upon which the modern built environment stands tall.

From the towering skyscrapers that pierce the skyline to the humble homes that shelter us, mechanical engineering is the unseen force that ensures comfort, safety, and efficiency. It is the discipline that transforms lifeless structures into vibrant, functional spaces.

Mechanical engineers are the architects of the building's inner workings. They design, install, and maintain the intricate systems that regulate temperature, purify air, transport people, and safeguard lives. The heating, ventilation, and air conditioning systems that create a pleasant atmosphere, the plumbing that ensures clean water supply and waste disposal, the fire protection systems that provide a safety net, and the elevators that defy gravity – all are the brainchild of mechanical engineers.





Beyond comfort and safety, mechanical engineers are at the forefront of sustainable construction. They innovate to reduce energy consumption, minimize environmental impact, and maximize resource efficiency. By incorporating renewable energy sources and optimizing system performance, they contribute to a greener and more sustainable future.

#### **Core Responsibilities:**

- **Design and Optimization of Mechanical Systems:** Mechanical engineers design and optimize systems like HVAC (heating, ventilation, and air conditioning), plumbing, fire protection, and elevators. They ensure these systems are efficient, safe, and integrated seamlessly into the building design.
- **Project Planning and Management:** They are involved in project planning, analyzing mechanical aspects, ensuring compliance with regulations, and overseeing the installation and maintenance of mechanical equipment.
- **Energy Efficiency and Sustainability:** Mechanical engineers play a vital role in designing energy-efficient systems, reducing the environmental impact of buildings, and incorporating sustainable technologies.
- **Problem-Solving and Innovation:** They address challenges related to mechanical systems, find innovative solutions, and improve the overall performance of buildings.





### Specific Areas of Focus:

- **HVAC Systems:** Designing and implementing heating, ventilation, and air conditioning systems to maintain optimal indoor air quality and comfort.
- **Plumbing Systems:** Designing and installing water supply and drainage systems, ensuring proper sanitation and water efficiency.
- **Fire Protection Systems:** Designing and installing fire suppression systems, emergency exits, and other safety measures to protect occupants.
- **Elevators and Escalators:** Designing, installing, and maintaining elevators and escalators for safe and efficient vertical transportation.



The construction industry is undergoing a digital transformation, and mechanical engineers are leading the charge. They are harnessing the power of technology to develop smart buildings that optimize energy usage, enhance occupant comfort, and improve overall building performance.

In conclusion, mechanical engineering is an indispensable component of the construction industry. The expertise and innovation of mechanical engineers are essential for creating buildings that are not only structurally sound but also comfortable, efficient, and sustainable.

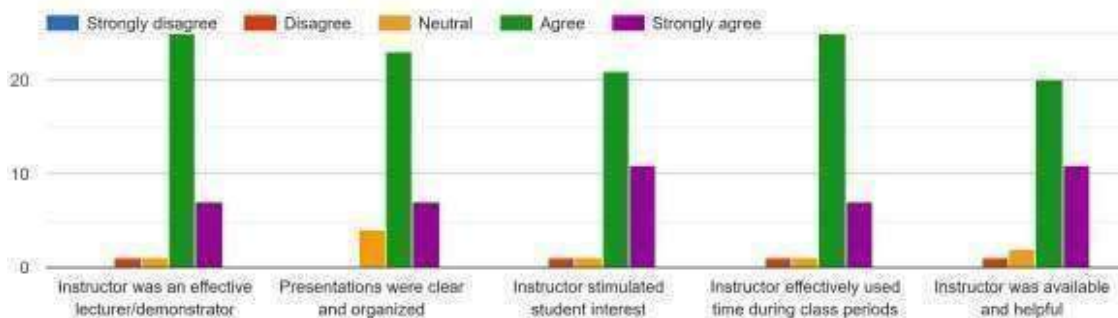
## FEEDBACK:



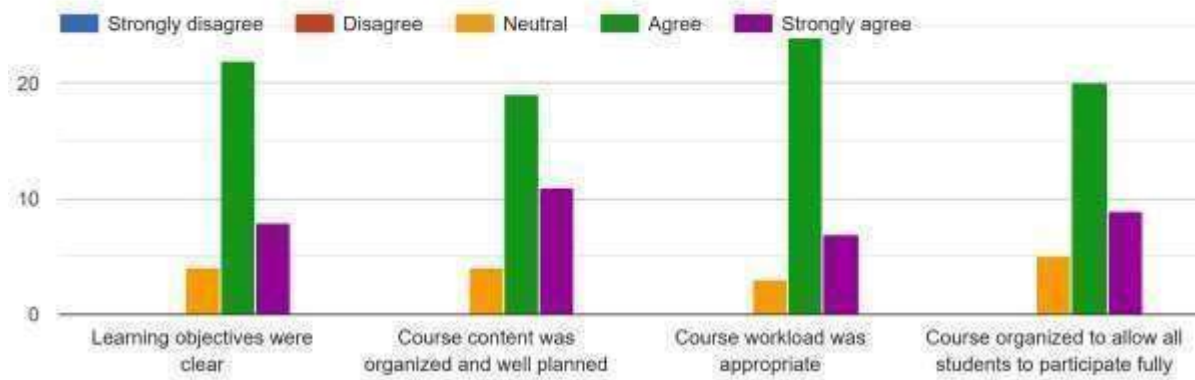
Contribution to learning



Skill and responsiveness of the instructor



### Course content



*[Signature]*  
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