



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY(A)
DEPARTMENT OF MECHANICAL ENGINEERING

Report of the Event

Event Name: Guest Lecture on braking system in automobile industry

Date(s): 12-02-2025

Coordinator: T Durga Prasad

Resource person(s): S Madhusudan,

Participants: 34

Duration: 3.00 Hours

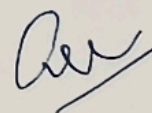
Brief Description:

The braking system in the automobile industry is a safety mechanism that slows or stops vehicles by converting kinetic energy into heat through friction. It includes disc or drum brakes, operated hydraulically. Modern systems feature ABS, EBD, and brake assist for enhanced control and safety. Key components include the brake pedal, master cylinder, calipers, pads, rotors, and brake fluid.

Photos:




COORDINATOR


HOD



— Empowering Minds —

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY(A)
DEPARTMENT OF MECHANICAL ENGINEERING

Report of the Event

Event Name: Guest Lecture on improving efficiency in power plants

Date(s): 16-09-2024

Coordinator: K.Lakshmi Priya

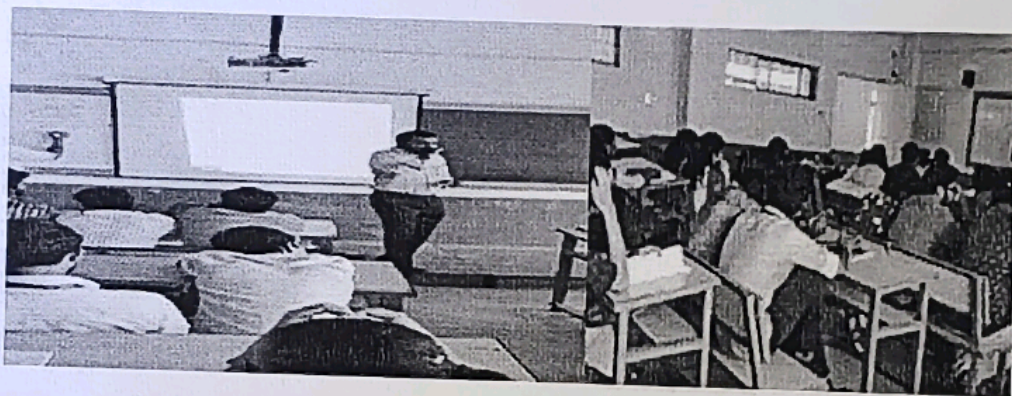
Resource person(s): Ch. Nagaraju Asst

Participants: 34

Duration: 3.00 Hours

Brief Description:

Improving efficiency in power plants involves upgrading technologies, optimizing operations, and reducing energy losses. Methods include using combined cycle systems, supercritical and ultra-supercritical boilers, and waste heat recovery. Advanced materials and control systems enhance performance, while regular maintenance ensures reliability. Integration of renewable sources and digital monitoring further boosts efficiency, lowers emissions, and reduces fuel consumption, contributing to more sustainable and cost-effective power generation.



K Lakshmi Priya
COORDINATOR

Ch. Nagaraju
HOD



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY(A)
DEPARTMENT OF MECHANICAL ENGINEERING

Report of the Event

Event Name: Guest Lecture on software in rapid prototyping

Date(s): 13-11-2024

Coordinator: Ch.Anusha

Resource person(s): P Satyanarayana

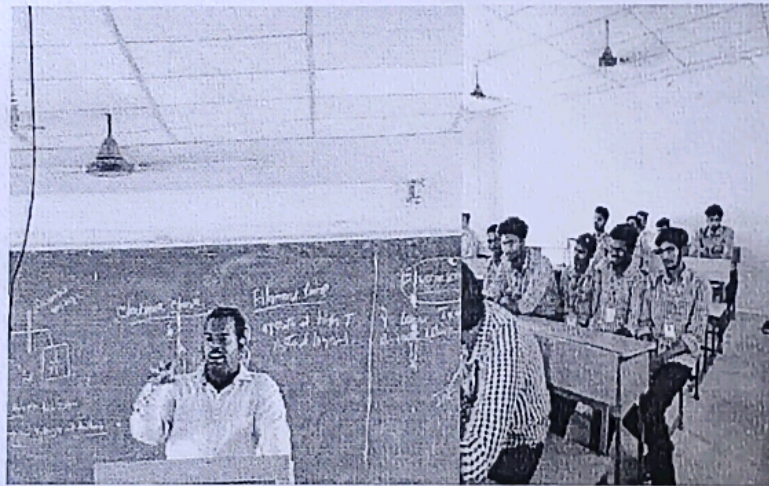
Participants: 25


Duration: 3.00 Hours

Brief Description:

In rapid prototyping , softwares plays a crucial role from design and modelling to slicing and machine control. The speaker threw light on the softwares mostly used for printing and the criteria fro choosing the right software. He also explained latest trends in the rapid prototyping field.

Photos:




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DEPARTMENT OF MECHANICAL ENGINEERING

Report of the Event

Event Name: Guest Lecture on high energy rate farming

Date(s): 13-09-2024

Coordinator: K Sukumar

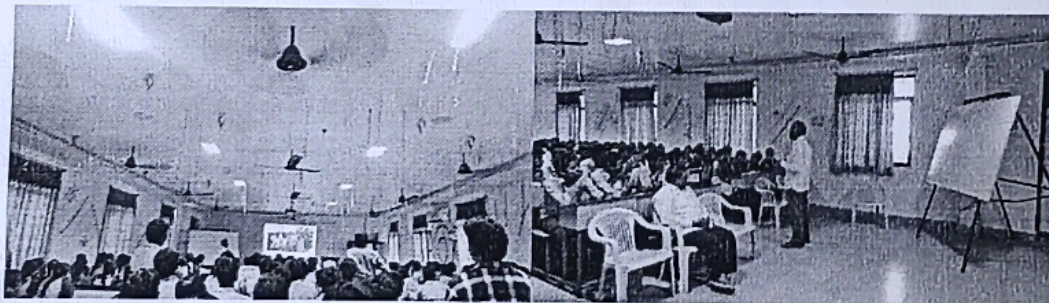
Resource person(s): Dr.B. Amar Nagendram,

Participants: 89

Duration: 3.00 Hours

Brief Description:

High energy rate farming involves the intensive use of energy inputs—such as fuel, electricity, fertilizers, and machinery—to maximize agricultural output. It emphasizes mechanization, chemical usage, and irrigation to boost productivity. While it increases crop yields and efficiency, it can lead to environmental concerns like soil degradation and pollution. This method is commonly practiced in industrialized agriculture for large-scale food production.




COORDINATOR


HOD