



MAIT

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कार्याणि न मनोरथैः

The official newsletter of
Department of Electrical and
Electronics Engineering
Maharaja Agrasen Institute of
Technology



The Times of EEE

VISION

To produce technically competent human resource for electrical and electronics industry with high moral and ethical values.

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(August 2022 to December
2022)*

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EEE department always enjoyed the immense pleasure to find alumni of this department, getting placed in government jobs and almost all private and multinational companies. The follow-up of the university curriculum, blending core electrical subjects like machines, control and power systems with those of electronics based communication, VLSI design and microcontrollers have helped enriching the broad knowledge based with cutting edge technology to foster self development and confidence to do good & prove one's own worth. The inherent skills of our students are being well nurtured by highly qualified faculty and hard working staff in achieving goals & objectives of the Department. We support the endeavour and wish them success to rise to the pinnacle of glory.

Editorial Team

Chief-Editor: Editor:
Prof. (Dr) Rajveer Mittal Ms. Poonam Juneja
Student coordinator:
Anant Kumar

Factopedia

- » Electricity travels in closed loops called "circuits." It must have a complete path before the electrons can move. If a circuit is open, electrons can't flow.
- » In the 1880's, there was a "war of currents" between Nikola Tesla and Thomas Edison. Tesla helped invent AC current and Edison helped invent DC current, and both wanted their currents to be popularized. AC won the battle because it's safer and can be used over longer distances.
- » Electricity can be created using water, wind, the sun, and even animal waste.
- » Electricity is present in our bodies – our nerve cells use it to pass signals to our muscles.
- » Static electricity occurs when the electrons from one object jump to another object.

Pun stop

Q: Why did the electrical cords break up?

A: There was no spark between them

Q: What penalty in hockey uses the most amount of energy??

A: A power play

Q: What is a Jedi electrician's favorite tool?

A: His Light Saber

Q: What would a barefoot man get if he stepped on an electric fence?

A: A pair of shocks

Orientation of Electrotech 2022

The EEE Dept. of MAIT organized the Orientation of ElectroTech Society - The Official Society of Dept of EEE, MAIT. ElectroTech plans to organize seminars, project workshops, and events for students to participate in the same. The event was inaugurated by our HOD sir Prof. (Dr.) Rajveer Mittal, Ms. Poonam Juneja, and joined by the students from the EEE department of all years. The event was quite a successful one that started with The welcome speech was followed by a briefing on what

Electrotech do by what is agenda of Electrotech by Electrotech The Road Ahead by what achieve before. Electrotech Core Team works very hard to bring the best out of their resources and to provide students with the best events and resources that can be provided. Led by faculty coordinator Ms.Poonam Juneja and chief student coordinator - Anant Kumar. Numerous other events have been planned to smoothly run society.



Industrial Visit To Panipat Thermal Power Station

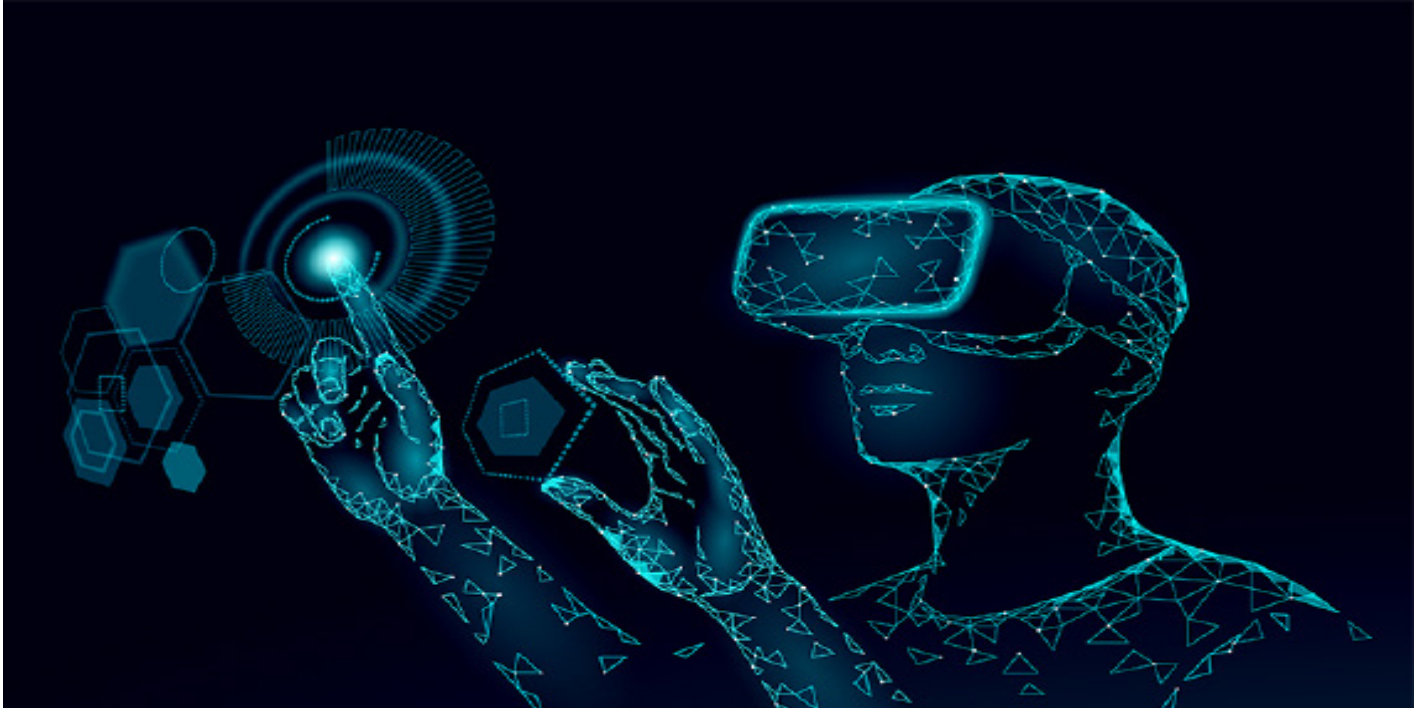


An industrial visit to Panipat Thermal Power Station (a unit of HPGCL, Govt of Haryana) was organized by EEE Department on 6th december 2022 for 5th and 7th Semester students. A total of 54 students along with HOD (EEE), Prof. (Dr.) Rajveer Mittal, and faculty members visited the plant. Panipat Thermal Power Station is located at Panipat in Haryana. The power plant is one of the coal-based power plants of HPGCL.

Students visited Unit No.7 and 8 of 250 MW, and understood various technical factors which would be very helpful for their understanding of various theoretical aspects studied in their curriculum. All the students were divided into six groups and sent for visits of various sub-systems of the plant, like the Boiler, Turbo Generator, Coal Handling Plant, Switch Yard Control Room, Switch Yard, and Cooling Tower. The visit was very successful and it was a learning experience for the students.

Latest Technological Advancements

Augmented reality



Augmented reality is an enhanced, interactive version of a real-world environment achieved through digital visual elements, sounds, and other sensory stimuli via holographic technology. AR incorporates three features: a combination of digital and physical worlds, interactions made in real time, and accurate 3D identification of virtual and real objects.

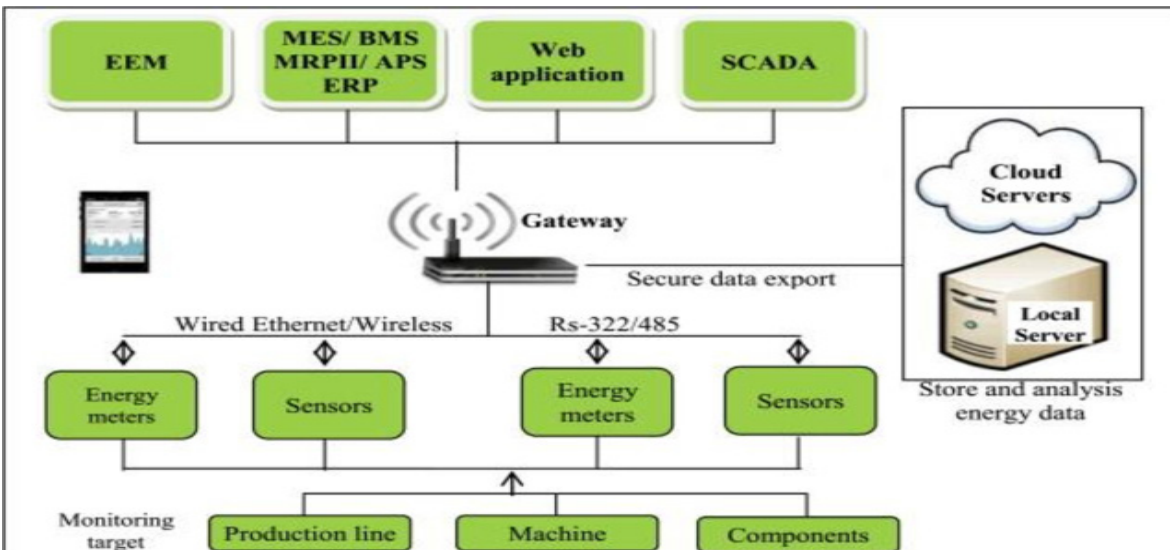
Augmented reality offers a better way to design, curate, and deliver consumable instructions by overlaying digital content in real-world work environments. When a business understands what AR is and how to utilize it successfully, everyone can work remotely while collaborating efficiently.

How does it work?

Augmented reality creates an immersive experience for all its users. Though the most common AR forms are through glasses or a camera lens, interest in AR is growing, and businesses are showcasing more types of lenses and hardware through the marketplace. There are five significant components of AR:

1. Artificial intelligence. Most augmented reality solutions need artificial intelligence (AI) to work, allowing users to complete actions using voice prompts. AI can also help process information for your AR application.
2. AR software. These are the tools and applications used to access AR. Some businesses can create their own form of AR software.
3. Processing. You'll need processing power for your AR technology to work, generally by leveraging your device's internal operating system.
4. Lenses. You'll need a lens or image platform to view your content or images. The better quality your screen is, the more realistic your image will appear.

Electricity Meter Usage Monitors



Electricity meter usage monitors are among the best electrical solutions for tracking your energy usage, significantly cutting energy bills. This new electric product trend lets you identify the appliances that consume the most energy in your home. You can attach the usage monitors to your electric panel in the panel box and allow them to transmit usage data to your phone. Usage monitors are doing a better job of detecting power outages and sensing energy hogs in properties. They allow you to replace or unplug the offenders in time.

Electric Car Chargers



Electric charging stations or car chargers are commonly referred to as electric vehicle supply equipment (EVSE). Electric vehicles often have built-in charging equipment, which enables you to use your home electricity to power your vehicle. While most electric cars have a level 1 charging cord, industry experts recommend that you buy a level 2 charging cord that plugs into a 240-volt power supply. It will give you a faster-charging process. Again, you need a charging device offering the most amperage.



Our beloved faculty of EEE department

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