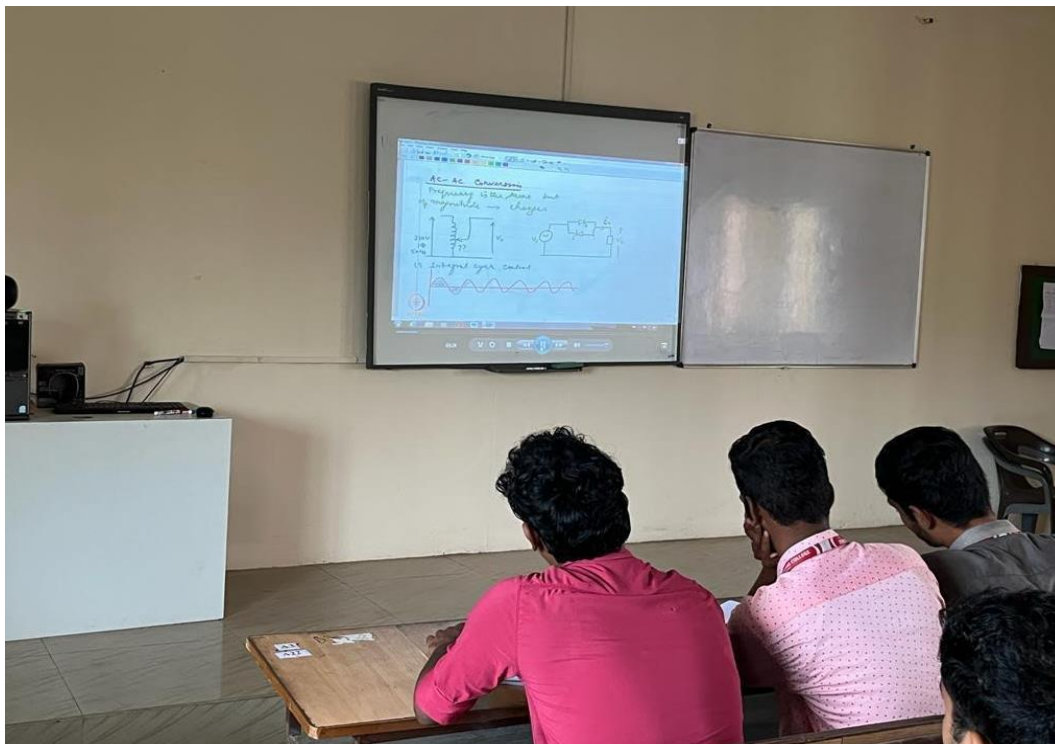
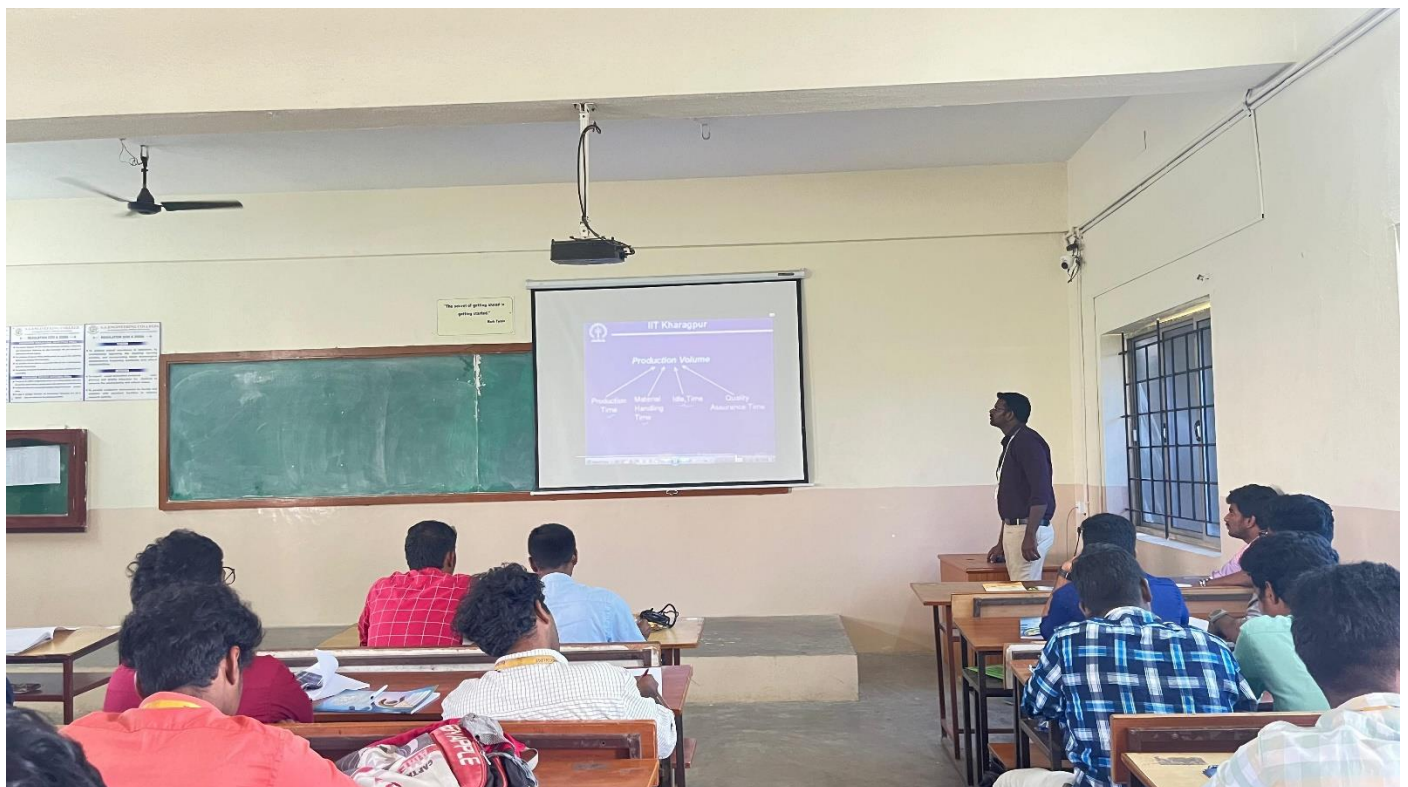


ICT TOOLS USAGE

PowerPoint presentations- Faculties are encouraged to use power-point presentations in their teaching by using LCD's and projectors. They are also equipped by digital library, online search engines and websites to prepare effective presentations.



NPTEL VIDEOS: By integrating NPTEL videos with ICT tools, the institute can provides an enriched, technology-driven learning environment that promotes independent and collaborative education.

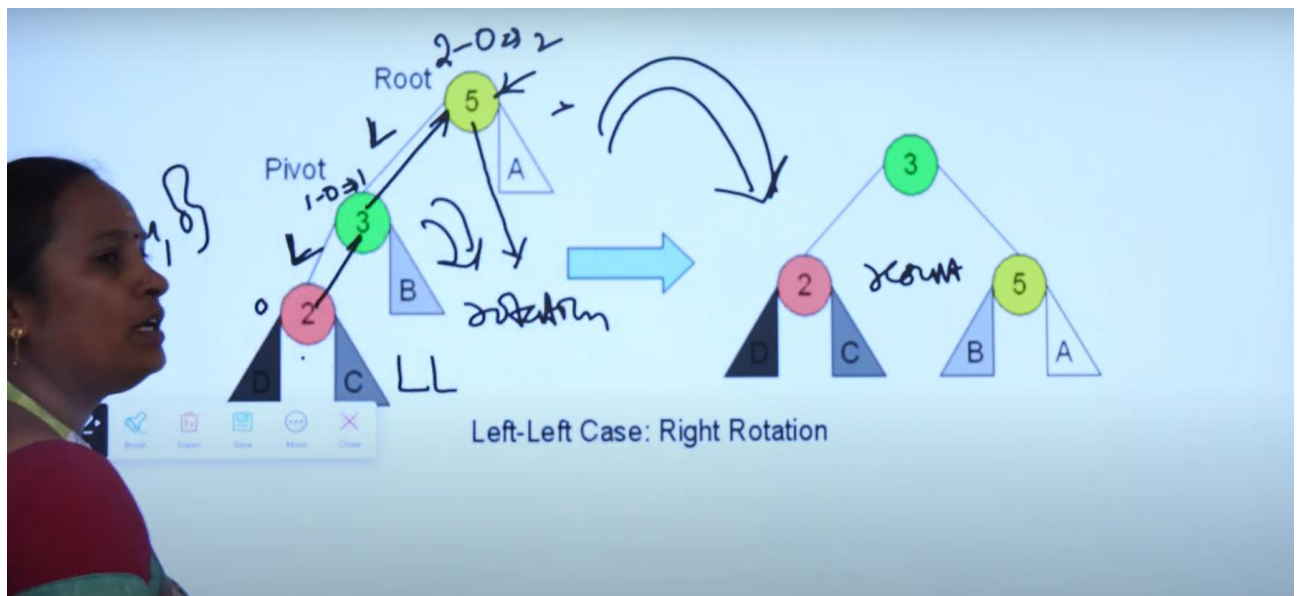
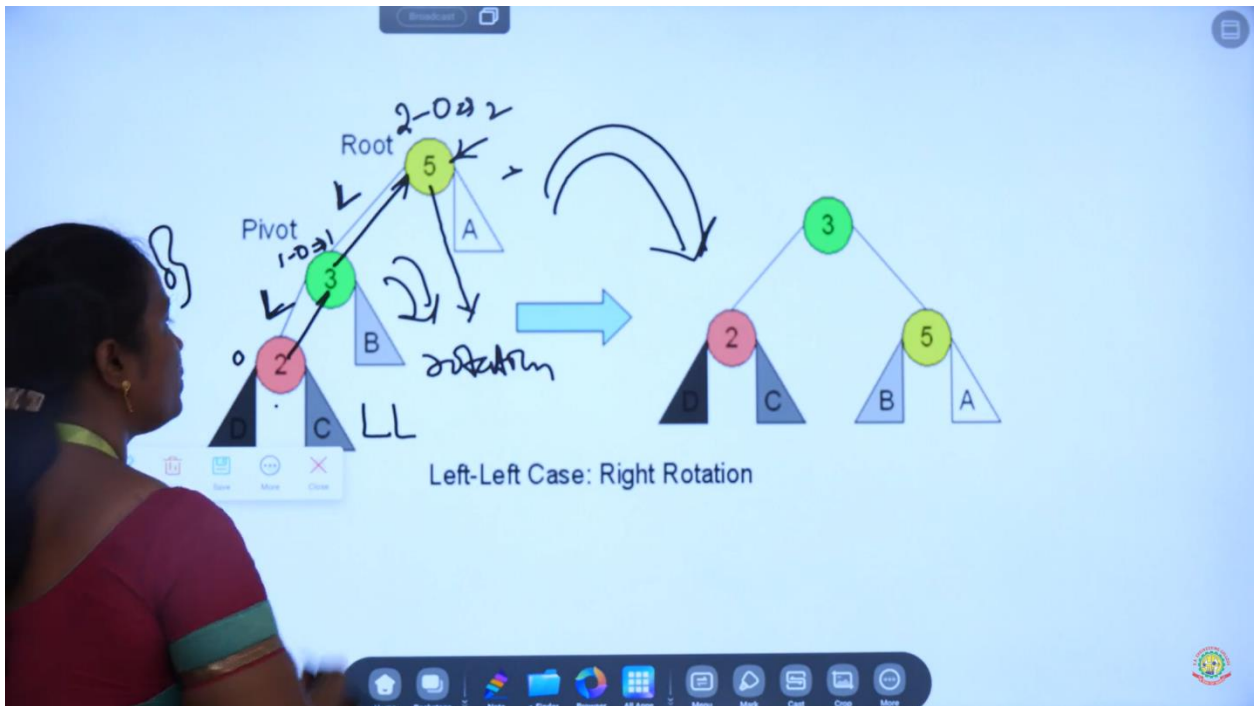


Industry Connect- Seminar and Conference room are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students.

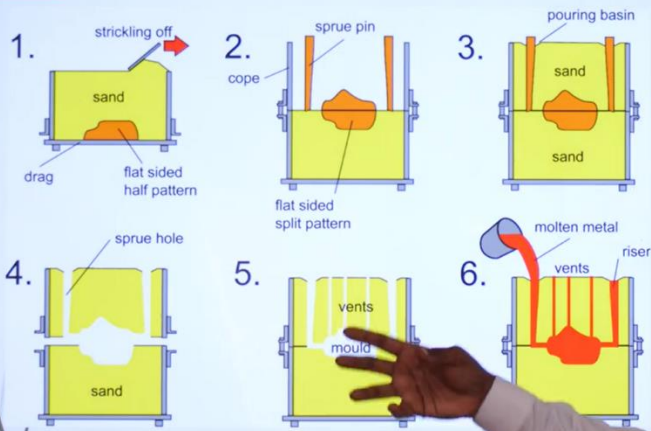




Smart Classroom with Interactive Panel - Faculties are encouraged to utilize Smart Classrooms equipped with Interactive Panels to enhance teaching and learning experiences. These interactive panels provide high-definition displays, touch-enabled controls, and real-time annotation tools, enabling dynamic and engaging classroom sessions. With multimedia capabilities and seamless internet connectivity, instructors can integrate videos, animations, and online resources into their lessons, making complex concepts more accessible and visually appealing.



Sand Casting



Molds are made from sand mixed with a bonding agent like clay or a polymer. This method is used for making simple and quick designs, but the end products are precise and rough.

Example 3

$$\bullet H(z) = \frac{3}{1 + \frac{3}{4}z^{-1}} \quad \text{ROC, } |z| > \frac{3}{4}$$

• From the table, we can use the z-transform pair no 5.

$$\bullet \underline{a^n u[n] \xleftrightarrow{z} \frac{1}{(1-az^{-1})}}, \quad \text{ROC } |z| > |a|$$

$$\bullet \text{Thus, } H(z) = \frac{3}{1 + \frac{3}{4}z^{-1}} = 3 \left(\frac{1}{1 - (-\frac{3}{4})z^{-1}} \right)$$

$$h[n] = 3 \left(-\frac{3}{4} \right)^n u[n]$$

$H(z)$

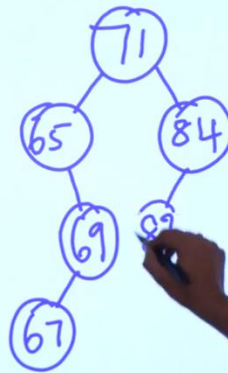
11/16/2024

Smart Board Presentation

GATE QUESTIONS(2015)

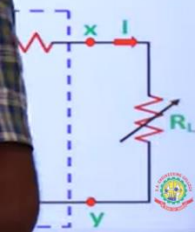
1. While inserting the elements 71,65,84,69,67,83 in an empty Binary search tree. The element in the lowest level is

- A) 65
- B) 67
- C) 69
- D) 83



Maximum Power Transfer Theorem

Maximum Power Transfer Theorem can be stated as - A resistive load, being connected to a DC network, **Receives maximum power when the load Resistance (R_L) is Equal to the Thevenin Resistance (R_{TH})** (Source Circuit Internal Resistance) of the network as viewed from its load terminals. The Maximum Power Transfer theorem is used to find the load resistance for which there would be maximum amount of power transfer from the source.



Smart Board Presentation

GATE Coaching Sessions through Interactive Panels:

The institution offers dedicated GATE (Graduate Aptitude Test in Engineering) coaching sessions to empower students in achieving academic excellence and preparing them for higher education opportunities and competitive careers. These sessions are systematically designed and conducted by experienced faculty members and subject matter experts to ensure comprehensive coverage of the GATE syllabus.



CLASSROOMS EQUIPED SMART BOARD:

