



Innovative Teaching – Learning Activity

Cooperative Learning: Think pair share activity

Class: TE

Course: Electromagnetic Field Theory

Objective:

1. To enhance individual problem-solving and critical thinking.
2. To make sure students understand when and how to select best formula for the problem and why not the other.
3. To increase student engagement and participation

Outcomes:

1. Improved learning by fostering discussion, justifying formula choices, and enhancing problem-solving skills
2. Students actively participated in activity.

Details of the activity: The Think-Pair-Share method was employed in Electromagnetics classes. This collaborative approach facilitated problem-solving by encouraging students to individually analyze problems, discuss their solutions with a partner, and critically examine the rationale behind their selection of specific formulas.

Photo for Activity:

Photographs of Think Pair share activity conducted during tutorial sessions





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Impact of the activity:

1. Activity found significant improvement in performance of the students in the university examination.
2. The percentage of students achieving scores above 60% increased from 11.69% to 17.7%.
3. The maximum marks obtained in the university examination is increased from 80 to 83.