



PPG INSTITUTE OF TECHNOLOGY

Empowering total Technology

Approved by

AICTE, New Delhi,

Affiliated to Anna University, Chennai,
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Coimbatore -641 035.



Department of Electronics and Communication Engineering

Academic Year: 2022- 2023 (Even Semester)

Innovative Teaching Learning Practices – Participative Learning

Degree, Semester & Branch	: BE ECE
Course Code & Title	: EC3452 & Electromagnetic Fields
Name of the Faculty member	: Ms.V.Indhu
Name of the Topic	: Maxwell's equation
Name of the Innovative Practice	: Trio Rotation
Date & Time	: 28-4-2023 & 9.00am -10.00am

Description:

Learning Outcomes:

Students will be able to contribute to a well-rounded educational experience and help students develop essential skills for academic success and lifelong learning.

Use of appropriate method:

Justification for choosing Activity:

It offers active engagement, collaboration, differentiated instruction, peer learning, increased participation, flexibility, critical thinking skills and time management development. These justifications demonstrate its potential to enhance the learning experience and promote positive educational outcomes.

Effective presentation:

Group students into threes, and arrange the groups into a large circle. Each team of three works on a problem. Then, each team assigns a 1, 2, and 3 number to each person. The 1's stay put, but the 2's rotate clockwise and the 3's rotate counterclockwise. Newly formed teams then work on a new problem.

Reflective Critique:

Opportunities for collaboration, differentiated instruction and peer learning, it is important to address potential challenges such as unequal participation, limited individual accountability, varying group dynamics, off-task behavior, resource constraints, limited exposure, and teacher facilitation challenges. Reflecting on and mitigating these concerns can help maximize the benefits and effectiveness of the activity.

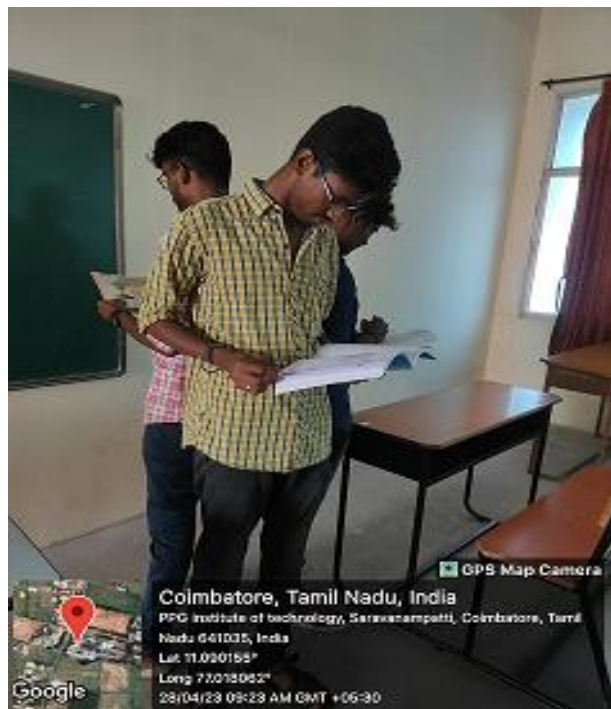
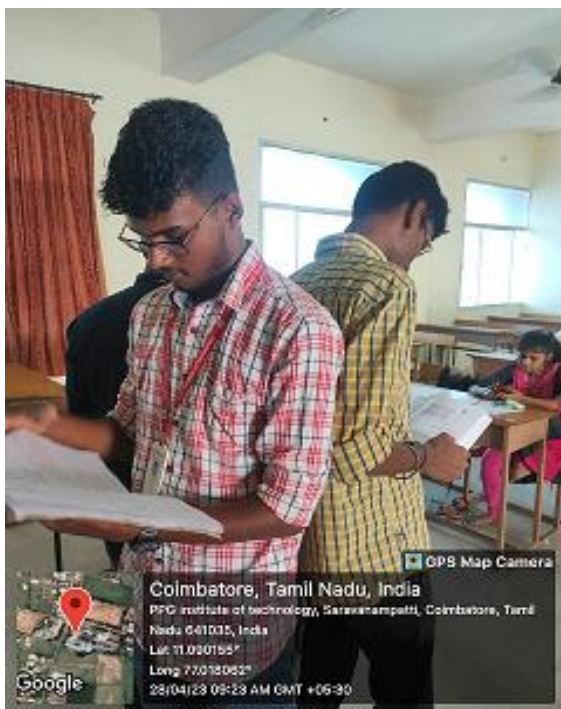
Challenges:

It is essential for teachers to be aware of these potential challenges and implement strategies to overcome them, ensuring a successful and effective learning experience for all students.

Benefits:

It creates a dynamic and student-centered learning environment that promotes academic growth and success.

Activity Photo's:



CO & PO Mapping :

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO4	2	2	3	2	2	2	1	-	-	1	1	2

References:

1. Edward C. Jordan & Keith G. Balmain, Electromagnetic waves and Radiating Systems, Second Edition, Prentice-Hall Electrical Engineering Series, 2012.
2. W.H. Hayt and J.A. Buck, Engineering electromagnetics, 7th ed., McGraw-Hill (India), 2006
3. B.M. Notaros, Electromagnetics, Pearson: New Jersey, 2011



Signature of Faculty Member



HOD