



Department of Computer Science and Engineering

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Report on Innovative Teaching-Learning Activity in Internet of Things: Flipped Classroom

1. Objective of the Activity

The objective of this activity was to implement the flipped classroom model as an innovative teaching methodology. This approach aimed to shift the traditional learning paradigm by having students study course materials independently before class and use class time for discussion, problem-solving, and interactive activities. The goal was to encourage active participation, deeper understanding, and better application of knowledge.

2. Description

In this activity, students were provided with pre-class learning resources, including lecture videos, research papers, and online materials. During the classroom session, the teacher facilitated discussions, clarified doubts, and guided problem-solving exercises based on the pre-learned materials.

Key Features:

- Pre-class resources enabled students to learn at their own pace.
- Interactive classroom sessions focused on application and problem-solving.
- Peer-to-peer learning and collaborative activities enhanced the overall learning experience.

3. Highlights

- Encouraged students to take responsibility for their own learning.
- Fostered a highly interactive and engaging classroom environment.
- Improved problem-solving and critical-thinking skills through practical applications.



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4. Photos of the Activity



5. Outcomes

- Increased student engagement and understanding of core concepts.
- Enhanced collaboration among peers during class activities.
- Promoted independent learning and better preparation for class discussions

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