

Flipped classroom

Name of the Faculty :- Dr. Chaitali Bhowmik

Name of the Course :- Theory of Computation

Name of the Activity:- Flipped classroom

Students Involved :- 2nd year B.Tech. CSE

Description of the Activity

In this blended learning activity, students are assigned a topic by the subject faculty. They are asked to watch online lectures, collaborate in online discussions, or carry out research at home, while actively engaging concepts in the classroom, with the class teacher's guidance. Students of 2nd year of B.Tech. CSE were asked to deliver the topic they prepared during class. The time frame of 3 days was given to the students to prepare the topic. The in-class activity of presentation helps to actively engage the students.

Required skills

Knowledge of the subject, soft skills like communication, time management.

Instructions about the Activity:

- Students were given the topic of PushDown Automata in advance.
- They were asked to use conventional chalkboard methods to deliver the topic in class.
- Follow up questions were given to check the understanding of students.

Outcome of the Activity

- Students are actively involved in knowledge acquisition and evaluate their learning.
- Enhances communication skills.
- Creates ideas and creativity.
- Students spent time in class on higher-order thinking skills such as problem-finding, collaboration, design and problem solving as students tackle difficult problems, work in groups.

Conclusion

Flipped classrooms help students to develop independent learning skills where teachers can create more engaging lessons. Students who are absent do not fall behind. They are able to build a deeper understanding. Students' engagement in class increases resulting in more knowledge acquisition.

Activity Details

