



B. P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ACADEMIC YEAR: 2017-2018 EVEN SEMESTER
FORMAL LANGUAGE & AUTOMATA THEORY (CS 402)
SESSION REPORT

Topic: Push down Automata

Teaching Methodology: Flipped Classroom

A Flipped Classroom activity was conducted on the topic “Pushdown Automata” at the 2nd year section B classroom of Department of Computer Science & Engineering. Priyanka Goswami, Assistant Professor of the Computer Science & Engineering department was the facilitator for the session. The session was attended by an average of 37 students. In this session the students are divided in groups of four and are given a topic. The motive of Flipped classroom activity is to enable the students to research and study a given topic, present the topic via PowerPoint presentation and explain the same to his/her peers and the concerned faculty.

This inculcates the ability to study and clear their own doubts via study materials and web resources. Also, most importantly, helps their communication skills while presenting in front of the class and thereby improving their vocabulary and enhancing their confidence.

The students were given the topic 3-4 days prior the activity. The presentation lasted for 12-15 minutes per group. The highlights of the activity are as follows:

1. The students explained the overview of Pushdown Automata and its characteristics
2. Some students explained the relation between pushdown automata & context free language
3. Some students were able to explain the construction of pushdown automata with the help of stack
4. Few students were unable to present the contents of the slides effectively and were struggling with words.
5. There were few students who read through the presentation slides and were unable to answer the questions that were asked.

Overall the activity proved beneficial to the students, it helped them assess their skills and also brought about a different teaching methodology which captivated the interest of the students, thereby making them more interactive and attentive in class.

Signature Of Faculty