

RAMCO INSTITUTE OF TECHNOLOGY
Department of Computer Science and Engineering

Academic Year: 2019 - 2020 (Odd Semester)

Degree, Semester & Branch: V Semester B.E. CSE

Course Code & Title: CS8501 Theory of Computation

Date: 28-08-19

Type of Activity: Collaborative Learning

Activity Description:

Collaborative learning is an educational approach to teaching and learning that involves groups of students working together to solve a problem. Collaborative learning is based on the idea that learning is a naturally social act in which the participants talk among themselves.

The class was separated into eight groups (Team A to H). Each group has one leader. For each group set of problems were given. The team members and leader work together to solve a problem. Finally the team leader explains the answers to other groups. The activity is conducted on CSE Seminar hall.

Steps in Collaborative Learning:

- **Plan**-About group size and composition
- **Introduce**-Time limits and decision making within the group all need to be discussed before the learning.
- **Monitor**- Once students have begun to work in their groups, it is job of the teacher to monitor and observe. Teacher should be available to answer questions and provide clarification as needed.
- **Assess**- Judgment and solution explanations
- **Process**- Giving time to reflect their learning experience.



Outcome of the Session:

- Students are spent in their own learning.
- Leadership Quality of the student improved.
- Students actively participate and respect is given to every member.
- This activity encouraged the students to share their knowledge with others.

Observation Made:

Some of the students finding difficulties for solving Right Most Derivation from the given context free grammar and also how to find ambiguous grammar.

Action Taken:

- Additional problems were planned in ambiguous and rightmost derivation.
- Homework problem is given for the students to practice the concept of ambiguous and right most derivation better.



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