Rayat Shikshan Sanstha's

Karmaveer Bhaurao Patil College of Engineering, Satara

Department of Computer Science and Engineering

Activity Based Learning

Subject Name : Big Data Analytics

Course Coordinator: 1. Prof. Monika Sonmale

Date & Time: 20/9/2021 10.30 am – 11.30 am

Number of Attendees: 60

Activity Name: Jigsaw

Details of Activity:

Jigsaw:

Jigsaw is a cooperative learning strategy that enables each student of a "home" group to specialize in one aspect of a topic (for example, one group studies Big Data Components , another group studies Hadoop & HBASE). Students meet with members from other groups who are assigned the same aspect, and after mastering the material, return to the "home" group and teach the material to their group members. With this strategy, each student in the "home" group serves as a piece of the topic's puzzle and when they work together as a whole, they create the complete jigsaw puzzle.

In this Activity Students are helps to improve listening, communication, and It helps build comprehension.

> ➢ It encourages cooperative learning among students.
> ➢ problem-solving skills.

Details of Jigsaw activity step by step :

1. Introduce the strategy and the topic to be studied.
2. Assign each student to a "home group" of 3-5 students who reflect a range of reading abilities.
3. Determine a set of reading selections and assign one selection to each student
4. Create "expert groups" that consist of students across "home groups" who will read the same selection.
5. Give all students a framework for managing their time on the various parts of the jigsaw task.

6. Provide key questions to help the "expert groups" gather information in their particular area.

7. Provide materials and resources necessary for all students to learn about their topics and become "experts."

8. Discuss the rules for reconvening into "home groups" and provide guidelines as each "expert" reports the information learned.

9. Prepare a summary chart or graphic organizer for each "home group" as a guide for organizing the experts' information report.

10. Remind students that "home group" members are responsible to learn all content from one another.

Activity Screenshots –

Prof.Monika Sonmale   **Prof.Dipali Ghatge**

Course Coordinator   **HOD,CSE**