



Class: B.E. (Comp) Div. A

Sem: VIII (FH 2023)

Subject: Distributed Computing

Sub. Code: CSC801

Sub. In-charge: Manjiri Pathak

Name of the innovative teaching method / activity: Case study/ Mini project

Introduction of the activity:-

A case study is an appropriate research design when you want to gain concrete, in-depth knowledge about a specific real-world problem. It allows you to explore the characteristics, meanings, and implications of the case. It highlights the need for further research in the said area.

Mini project work enables the students to develop skills and knowledge gained during the programme to do the analysis of a specific problem or issue & develop the application for a specific problem statement in a certain duration.

Objective of this activity:

Such activities help the students to understand cooperative learning which involves them in working as a team to achieve the expected goal, and it encourages group members to help and support each other. When students work cooperatively, they learn to understand ideas of each other, give and receive help, and resolve problems democratically.

Outcome:

Students should be practiced to improve the Distributed System skills through such activities, apply knowledge to provide the solution to real world problems. The knowledge & experience gained in such activities can help students to face the campus interviews, placements etc. Such activities also help the Dept. to achieve Program outcome such as PO₉ which involves a team work & life long learning (PO₁₂).

Prof. Manjiri Pathak
Subject In-charge (DC)
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Report on above Innovative Learning Practice

The Students of BE (Comp. Div A) were informed to form a group and do a mini project or a Case study based on topics from the subject Distributed Computing. Some topics were suggested to them. Students were advised that they can also choose the problem statement for developing a mini project or to perform a case study. They were informed to present their topic by preparing the ppt & submit the report, ppt during submission.

Some of the topics selected by students for mini project/ case study:

1. Hotstar: Leveraging Distributed Computing for Seamless Video Streaming
2. Chatsoc-App
3. Social media application example Facebook
4. Multiplayer Tic-Tac-Toe using RMI
5. Case Study on Google's Page-rank Algorithm
6. Configuration Management System Using Distributed Computing
7. Distributed System in Uber's Ride Hailing Platform
8. Distributed Gaming Platform Using RMI

Students in each group took the efforts to do a literature survey & perform a case study/ mini-project which helped them to understand how to apply Distributed Computing concepts in various applications.

After the submission, evaluation of their work was done by considering parameters like-
Understanding of the topic
Literature survey
Utilization of project/ case study work
Presentation



Prof. Manjiri Pathak
Subject In-Charge