



**University Institute of Engineering**  
**Department of Computer Science & Engineering**  
**BE CSE III Year**  
**Cloud Computing & Distributed Systems (21CST-378/21ITT-378)**

**Assignment-1**

**SET 1 (For Batch A Students)**

1. Based on the paper <https://doi.org/10.1177/18479790221093992> find out the research gaps. (CO-2)
2. Discuss the role of edge computing in distributed systems. How does it address latency and bandwidth challenges? (CO-1)
3. Is there any cloud system deployed at Chandigarh University? Collect the complete information and mention and if not then collect the list of challenges to implement. (CO-2)
4. Compare the pricing and features of AWS and Azure. (CO-2)

**SET 2 (For Batch B Students)**

1. Based on the paper <https://doi.org/10.46328/ijses.25> find out the research gaps. (CO-2)
2. Explain the challenges of managing and orchestrating distributed systems at the edge. (CO-1)
3. Is there any cloud system deployed at VR Punjab Mall? Collect the complete information and mention and if not then collect the list of challenges to implement. (CO-2)
4. Compare the pricing and features of Red Hat OpenShift (by IBM) and GCP. (CO-2)

**Instructions**

1. Each Question carries 2.5 Marks
2. High Plagiarism can result into cancellation of Assignment. Avoid use of AI tools like Chat GPT, DeepAI, Bard, Google AI or others.
3. Try to explore your answer with your creative thinking.
4. All Assignments should be written on A4 sheets left hand side scaled manually and **strictly written one side only**.
5. All Assignment must have front page entitled your name, UID number, Batch/Group number submitted in proper folder.