



**School of Computer Science and Engineering**  
**Department of Computer Engineering and Technology**  
**Theory Assignment**

CET4034B: Cloud Infrastructure and Security

**Academic Year:** 2023-24

**Date of Submission:** 12<sup>nd</sup> February 2024

**Class:** Third Year CSF

Assignment Set for CIS_Panel-A		
Que.	Questions	CO Mapped
Q1.	How does networking contribute to the scalability of cloud computing, briefly explain with example. Explain challenges in networking for cloud computing.	CO1
Q2.	Describe the key components of cloud computing reference models and their roles in providing a framework for understanding cloud services.	CO1
Q3.	Explain the concept of brownfield deployment in the context of cloud computing and briefly describe when is it possible for an organization to opt for a brownfield deployment over a greenfield approach.	CO1
Q4.	What is Cloud Migration? What challenges might be encountered during the migration process in a brownfield deployment and how can they be mitigated?	CO1
Q5.	Brief on any real world scenario where a greenfield deployment is the ideal choice and another where a brownfield deployment makes more sense. Also enlist the factors that influence the decision between greenfield and brownfield deployments in these scenarios.	CO2