Course Title: Cloud Computing

Semester and Year: Autumn 2021-22

Credit Structure (L-T-P-Cr): 3-0-2-4

Course Code: IT627

Prerequisites (if any): None

Instructor’s Name with email: Lavneet Singh (lavneet_singh@daiict.ac.in)

Course Objectives:
1. Introduce working with various cloud services provided by cloud providers. We’ll use Azure as primary case study.
2. Learn about using cloud as programmer
3. Learn about design and architecture of cloud native applications
4. Learn about NoSQL databases

Suggested Textbook/references:
Online resources related to Azure on docs.microsoft.com and other links

Mode of Delivery
Online / pre-recorded lectures with lecture slides

Evaluation Scheme
- Labs and Assignments: 20
- InSem Exam: 40
- End Sem Exam: 40

Lecture Plan: Topic wise lecture plan is expected.

1. Introduce working with various cloud services provided by cloud providers. We’ll use Azure as primary case study. (8-10)
2. Learn about using cloud as programmer (9 – 10)
3. Learn about design and architecture of cloud native applications (6-8)
4. Learn about NoSQL databases (4-6)