



PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Announcement for Mid Term Exam

VI -Semester

Course Code: CSE2040

Course Title: Cyber Threats for IoT and Cloud

Date & Time: 17.03.2025 & 11:45 am – 1:15 pm

Weightage: 25%

Total Marks: 50

Portions:

Module: 1: Introduction to IoT and Cloud Computing

Topics: What is IoT, Genesis of IoT, IoT and Digitization, IoT Impact, IoT Challenges, IOT Architecture and protocols, Various platforms for IoT, Real-Time examples of IoT, Overview of IoT components and IoT communication Technologies.

Introduction to Cloud Computing: The Vision of Cloud Computing, defining a Cloud, Cloud Computing Reference Model, Characteristics and Benefits, Challenges Ahead, Distributed Systems, Virtualization, Service-Oriented Computing, Utility-Oriented Computing, Building Cloud Computing Environments, Application Development, Infrastructure and System Development, Computing Platforms and Technologies.

Module: 2: Cyber Threats

Topics: What are Cyber Security Threats? Common Sources of Cyber Threats, Types of Cyber security Threats-Malware attacks, Social Engineering attacks, Supply chain attacks, Man-in-the middle Attack, Threat Detection Tools, Cyber Defense for Individuals.

	No. of Questions	Marks	Total Marks	
PART- A	5	2	10	No Choice
PART- B	4	10	40	Choice

Instructor In-Charge
Ms. Ashishika Singh