



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: CSE3145

Course Title: INTRUSION DETECTION AND PREVENTION SYSTEMS

Date & Time: 20.03.2025 & 09.30 to 11.00am (check and confirm with university website)

Weightage: 25%

Total Marks: 50

Dear Students,

This is for the information of 6th semester CCS students that the Mid Term Exam will be held as per the schedule given by the university. Students should answer the questions as per the following:

Part A consists of short answer type questions.

Part B consists of either-or type questions.

	No. of Questions	Marks	Total Marks
PART- A	05	2	10
PART- B	04	10	40
			50

Syllabus:

Module 1: Introduction to IDPS

Topics: Understanding Intrusion Detection – Intrusion detection and prevention basics – IDS and IPS analysis schemes, Attacks, Detection approaches –Misuse detection – Anomaly detection – specification-based detection, hybrid detection. Internal and external threats to data, attacks, Need and types of IDS, Information sources, Host based information sources, Network based information sources.

Module 2: Intrusion Response

Topics: Intrusion Prevention Systems, Network IDs protocol-based IDs, Hybrid IDs, Analysis schemes, thinking about intrusion. A model for intrusion analysis, techniques Responses requirement of responses, Types of responses mapping responses to policy Vulnerability analysis, credential analysis non credential analysis. Architecture models of IDs and IPs.

Attendance is compulsory.

Instructor In-Charge
Dr. Shanmugarathinam G

Ms. Radhika Sreedharan