

REG.NO .: 22 19 1503/2 SLOT: E2

School of Computer Science Engineering and Information Systems (SCORE)

CONTINUOUS CONTINUOUS ASSESSMENT TEST - 1 WINTER SEMESTER 2024-2025

Programme Name & Branch

Course Code and Course Name

: SWE1015/Biometric Systems

Faculty Name(s)

: Dr.U.Rahamathunnisa

Class Number(s)

: VL2024250502997

Date of Examination

: 31-01-2025

Exam Duration

: 90 minutes

Maximum Marks: 50

General instruction(s):

· Answer All Questions

M - Max mark; CO - Course Outcome; BL - Blooms Taxonomy Level (1 - Remember, 2 -Understand, 3 - Apply, 4 - Analyse, 5 - Evaluate, 6 - Create)

Course Outcomes

CO1: Comprehend the concepts and terminology of biometric recognition system

CO2: Distinguish among various Biometric Technologies along with their advantages

and disadvantages

Q. No	Question	M	CO	BL
1.	How will you solve the problem on "Biometrics are Hackable"? Since a biometric reveals part of a user's identity, if stolen, it can be used to falsify legal documents, passports, or criminal records, which can do more damage than a stolen credit card number. How will you take Biometrics in another level of security?	10	CO1	BL4
2,	Authentication methods verify a user's identity to grant access to a system or service. Analyse the various authentication methods and its properties with suitable examples.	10	CO1	BL2
3.	Feature extraction is the process of identifying and selecting the most important information. Demonstrate the feature extraction process in the given fingerprint image in detail.	10	C02	BL3
4.	Discuss the following fingerprint sensors with its advantages and disadvantages a) Optical sensor b) Silicon based sensor	10	CO2	BL3