



Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Department of Information Technology

Course Outcomes (CO)

Academic Year-2023-24

Year: 4N Semester-Autumn (VII)

Subject: Mobile Computing

Subject Code: 7IT01

CO1: Gain knowledge of basic concepts of Mobile Computing and Principles of cellular communication

CO2: Understand different devices for mobile computing and understand Mobile client application.

CO3: Understand concepts of wireless application protocol & fundamental of wireless markup language.

CO4: Develop ability for developing open platform mobile development.

CO5: Explore concepts of database for mobile computing.

CO6: Identify & understand different security issues in mobile computing.

Subject: Embedded System

Subject Code: 7IT02

CO1: After successfully completing the course, the students will be able to demonstrate the basic components (hardware, application software and operating system) required for the development of embedded applications.

CO2: After successfully completing the course, the students will be able to identify the various components, computing models and communication devices required for the embedded applications.

CO3: After successfully completing the course, the students will be able to apply the programming, data structures and modelling processes for the implementation of network protocols.

CO4: After successfully completing the course, the students will be able to develop the programming model for the priority-based multitasking real-time embedded systems.

CO5: After successfully completing the course, the students will be able to analyze the priority-based inter-process communication and synchronization issues and relevant solutions to make embedded applications real-time

Subject: Cloud Computing

Subject Code: 7IT03

CO1: Describe the fundamental concept, architecture and applications of Cloud Computing.

CO2: Discuss the problems related to cloud deployment model.

CO3: Examine the concept of virtualization

CO4: Identify the role of network connectivity in the cloud.

CO5: Assess different Cloud service providers.

CO6: Inspect the security issues in cloud service models.

Subject: Data Warehousing and Mining

Subject Code: 7IT04

CO1: Be familiar with basic concepts of Data Warehousing and OLAP operations.

CO2: Understand the principal of data warehousing and data pre-processing.

CO3: Identify appropriate data mining algorithm to solve real world problems.

CO4: Characterize the kind of patterns that can be discovered by association rules.

CO5: Understand various classification and clustering technique and tools.

CO6: Describe complete data types with respect to spatial and web mining.

Subject: Blockchain Foundation

Subject Code: 7IT05

CO1: Examine the concept of decentralization and its importance in blockchain systems.

CO2: Illustrate the process of Crypto currency transactions & role of miner in securing Crypto currency networks.

CO3: Evaluate the limitations of Bitcoin and propose alternative solutions for specific use cases.

CO4: Develop and deploy basic smart contracts using the Solidity programming language

CO5: Utilize development frameworks to streamline smart contract deployment and DApp development.

CO6: Evaluate the features and functionalities of alternative Blockchains