Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Department of Information Technology

Course Outcomes of all subjects of B.E. Fourth Year (SEM-VII)

7IT01- Mobile Computing

After successfully completing the course the students will be able to:

CO1	Gain knowledge of basic concepts of Mobile Computing and Principals 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.

7IT02-Embedded System

After successfully completing the course the students will be able to:

CO1	To demonstrate the basic components (hardware, application software and operating system) required for the development of embedded applications.
CO2	To identify the various components, computing models and communication devices required for the embedded applications.

CO3	To apply the programming, data structures and modelling processes for the implementation of network protocols.
CO4	To develop the programming model for the priority-based multitasking real-time embedded systems.
CO5	To analyze the priority-based inter-process communication and synchronization issues and relevant solutions to make embedded applications real-time

7IT03- Cloud Computing

After successfully completing the course the students will be able to:

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.

7IT04- Data Warehousing and Mining

After successfully completing the course the students will be able to:

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.

7IT05- Blockchain Foundation

After successfully completing the course the students will be able to:

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