SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON

DEPARTMENT OF INFORMATION TECHNOLOGY

PROGRAM: B.E. (INFORMATION TECHNOLOGY)

ACADEMIC SESSION: 2025-26

COURSE OUTCOMES (CBCS SCHEME)

CLASS: FINAL YEAR **SEMESTER: VII**

Course Title: Mobile Computing **Course Code**: 7IT01

After successful completion of the course, students will be able to:

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

CO2: Understand different components, devices for mobile computing and understand wireless application protocol

CO3: Able to implement different concepts of mobile computing fundamentals using wireless scripting language.

CO4: To develop ability for developing open platform mobile development.

CO5: Explore concepts of distributed mobile computing

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

Course Title: Embedded System **Course Code:** 7IT02

After successful completion of the course, students will be able to:

CO1: Demonstrate the basic components (hardware, application software and operating system) required for the development of embedded applications.

CO2: Identify the various components, computing models and communication devices required for the development of an embedded application.

CO3: Apply the programming, data structures and modeling processes for the implementation of network protocols.

CO4: Design the programming models for the analysis of priority based multiprocessing real time embedded systems.

CO5: Analyzed the priority based inter-process communication and synchronization issues and relevant solutions to make embedded applications real time.

Course Title: Cloud Computing **Course Code:** 7IT03

After successful completion of the course, 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.

Course Title: Machine Learning (Prof. Elect.-III) (i) **Course Code**: 7IT04

After successful completion of the course, students will be able to:

CO1: Understand the concept of Machine Learning

CO2: Understand how to evaluate models generated from data

CO3: Implement a variety of algorithms for Supervised Learning

CO4: Implement a variety of algorithms for Unsupervised Learning

CO5: Implement a variety of algorithms for Reinforcement Learning

CO6: Understand the concept of Neural Networks

Course Title: Blockchain Fundaments (Prof. Elect.-IV) (i) **Course Code**: 7IT05

After successful completion of the course, students will be able to:

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

CO2: Illustrate the process of Cryptocurrency transactions & role of miner in securing Cryptocurrency 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 streamline smart contract deployment and DApp development.

CO6: Evaluate the features and functionality of alternative Blockchains.

Course Title: Business Intelligence (Prof. Elect.-IV) (ii) **Course Code:** 7IT05

After successful completion of the course, students will be able to:

CO1: Apply BI and analytics concepts to understand business changes and new technologies.

CO2: Apply data cleaning, modeling, and visualization methods to create clear business reports and dashboards.

CO3: Analyze business data using clustering, regression, time-series, and data mining techniques.

CO4: Analyze data warehouse designs, including schemas, facts, dimensions, and hierarchies.

CO5: Apply ETL processes such as extraction, transformation, loading, and staging for effective data integration.

CO6: Analyze new trends like IoT, cloud analytics, and privacy rules to understand their legal, ethical, and organizational impact.