



Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Department of Information Technology

Course Outcomes of all subjects of B.E. Third Year (SEM-V)

5IT01-Database Management System

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

CO1	Understand the concepts of database and analyze ER model.
CO2	Categorize different normal forms and build relational algebra queries.
CO3	Classify different operations and construct SQL queries.
CO4	Understand the basic concepts of transactions and use them in schedules.
CO5	Choose the proper concurrency control scheme and evaluate database security.

5IT02- Theory of Computation

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

CO1	To analyze formal languages with help of fundamental concepts and Finite Automata
CO2	To create regular expressions and grammars which can be used to represent formal language in different forms.
CO3	To analyze the formal languages, their powers using different forms of grammars and classify them according to Chomsky hierarchy.
CO4	To design Push Down Automata for a Context Free Language along with context sensitive languages.
CO5	To design Turing machine for performing different types for computations.
CO6	To identify the decidability and undecidability of problems in case of formal languages.

5IT03- Software Engineering

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

CO1	Understand the Fundamental Concepts of software engineering life cycle
CO2	Summarize the software engineering requirements specification and the SRS documents
CO3	Understand the software engineering layered technology and process framework
CO4	Illustrate the various design and development solution with proper analysis
CO5	Demonstrate the competence in communication planning, analysis, design, construction, and development of software as per requirement
CO6	Demonstrate the software project management skill through case studies

5IT04-Data Science and Statistics

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

CO1	The students will be able to Apply Numpy and Pandas Library functions on datasets.
CO2	The students will be able to analyze data by performing EDA and data visualization using various plots.
CO3	The students will be able to Create hypothesis on data and perform various hypothesis testing test
CO4	The students will be able to Measure the Performance of Linear regression model on dataset.
CO5	The students will be able to Measure the Performance of Logistic regression model on dataset.

5IT05-Power Supply System (Open Elective – I)

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

CO1	Distinguish between construction and working of various power generation plants
CO2	Describe layout and working of Substations
CO3	Compare various power distribution system
CO4	Explain types of wiring, necessity of earthing and safety precautions