

# MCS 213 Syllabus

## **BLOCK 1: Overview of Software Engineering**

Unit 1: Software Engineering and its models

Unit 2: Principles of Software Requirements Analysis

Unit 3: Eulerian and Hamiltonian Graphs

Unit 4: Graph Colouring

## **BLOCK 2: Software Project Management**

Unit 5: Software Project Planning

Unit 6: Risk management and Project

Unit 7: Software Testing

Unit 8 Software change management

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Question Papers**

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## **BLOCK 3: Web, Mobile and CASE tools**

Unit 9: Web Software Engineering

Unit 10: Mobile Software Engineering

Unit 11: CASE tools

Unit 12: Advanced Software Engineering

## **Block-4: Advanced Topics in Software Engineering**

Unit-13: Software Process Improvement

Unit-14: Emerging Trends

Unit-15: Introduction to UML

Unit-16: Data Science for Software Engineers

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