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# COMPUTER SCIENCE ENGINEERING

## II  Year- II Sem

## OPERATING SYSTEMS

## (CS403PC)

1) Will be able to control access to a computer and the files that may be shared
2) Demonstrate the knowledge of the components of computer and their respective roles in computing.
3) Ability to recognize and resolve user problems with standard operating environments.
4) Gain practical knowledge of how programming languages, operating systems,
5) Gain practical knowledge of how architectures interact and how to use each effectively.

## DATABASE MANAGEMENT SYSTEMS

## (CS404PC)

## Course Outcomes:

1) Gain knowledge of fundamentals of DBMS, database design and normal forms
2) Master the basics of SQL for retrieval and management of data.
3) Be acquainted with the basics of transaction processing
4) Be acquainted with the basics of  concurrency control.
5) Familiarity with database storage structures and access techniques

## DISCRETE MATHEMATICS

## (CS401PC)

## Course Outcomes:

1) Ability to understand and construct precise mathematical proofs
2) Ability to use logic and set theory to formulate precise statements
3) Ability to analyze and solve counting problems on finite and discrete structures
4) Ability to describe and manipulate sequences
5) Ability to apply graph theory in solving computing problems

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## JAVA PROGRAMMING

## ( CS405PC)

## Course Outcomes:

1) Able to solve real world problems using OOP techniques.
2) Able to understand the use of abstract classes.
3) Able to solve problems using java collection framework and I/o classes. Able to develop multithreaded applications with synchronization.
4) Able to develop applets for web applications.
5) Able to design GUI based applications

## DATABASE MANAGEMENT SYSTEMS LAB

## (CS407PC)

## Course Outcomes:

1) Design database schema for a given application and apply normalization
2) Acquire skills in using SQL commands for data definition and data manipulation.
3) Develop solutions for database applications using procedures, cursors and triggers

## JAVA PROGRAMMING LAB

## (CS408PC)

## Course Outcomes:

1) Able to write programs for solving real world problems using java collection frame work.
2) Able to write programs using abstract classes.
3) Able to write multithreaded programs.
4) Able to write GUI programs using swing controls in Java.

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## OPERATING SYSTEMS LAB (Using UNIX/LINUX)

## (CS406PC)

## Course Outcomes:

1) Simulate and implement operating system concepts such as scheduling, deadlock management, file management and memory management.
2) Able to implement C programs using Unix system calls

## BUSINESS ECONOMICS AND FINANCIAL ANALYSIS

## ( SM306MS)

## Course Outcomes:

The students will understand the various Forms of Business and the impact of

1) Economic variables on the Business.
2) The Demand, Supply, Production, Cost, Market Structure,
3) Pricing aspects are learnt.
4) The Students can study the firm's financial position by analysing the
5) Financial Statements of a Company.

## CONSTITUTION OF INDIA

## (*MC409)

## Course Outcomes:

1) Improve their knowledge about Indian constitution  .
2) Value their identity and exercise their fundamental rights.
3) Understand how differently government bodies function

**Principal**