

B.TECH COMPUTER SCIENCE & ENGINEERING

II YEAR II SEMTER COURSE OUTCOMES

Computer Organization

1. Able to apprehend the simple components and the layout of CPU, ALU and manage unit.
2. Capability to understand memory hierarchy and its effect on computer cost/performance.
3. Ability to understand the benefit of guidance degree parallelism and pipelining for high overall performance processor layout.
4. Capability to recognize the preparation set, training codecs and addressing modes of 8086.
5. Capacity to put in writing meeting language applications to resolve issues

Database Management Systems

1. Demonstrate the basic elements of a relational database management system.
2. Ability to identify the data models for relevant problems.
3. Ability to design entity relationship model and convert entity relationship diagrams into RDBMS and formulate SQL queries on the data.
4. Apply normalization for the development of application software

Operating Systems

1. Apply optimization techniques for the improvement of system performance.
2. Ability to design and solve synchronization problems.
3. Learn about minimization of turnaround time, waiting time and response time and also maximization of throughput by keeping CPU as busy as possible.
4. Ability to change access controls to protect files.
5. Ability to compare the different operating systems

Formal Languages and Automata Theory

1. Capable of understand the concept of summary machines and their electricity to apprehend the languages.
2. Capable of hire finite kingdom machines for modeling and solving computing issues.
3. Able to layout context unfastened grammars for formal languages.
4. Able to distinguish among decidability and undesirability.
5. Able to benefit skill ability with mathematical gear and formal strategies.

Business Economics and Financial Analysis

1. The students will understand the various Forms of Business and the impact of economic variables on the Business.
2. The Demand, Supply, Production, Cost, Market Structure, Pricing aspects are learnt.
3. The Students can study the firm's financial position by analyzing the Financial Statements of a Company.

Computer Organization Lab

1. Implement common sense gates using nand and nor gates
2. Design a complete adder using gates
3. Layout and enforce the four:1 mux, 8:1 mux the usage of gates /ICS.
4. Design and put in force a three to 8 decoder the use of gates
5. Layout a four bit comparator using gates/IC
6. Design and implement a four bit shift sign up the usage of flip flops
7. Layout and put in force a decade counter

Database Management Systems Lab

1. Ability to design and implement a database schema for given problem.
2. Apply the normalization techniques for development of application software to realistic problems.
3. Ability to formulate queries using SQL DML/DDDL/DCL command

4. Able to do Practicing DML commands DML commands are used to for managing data within schema objects. Some examples:SELECT – retrieve data from the a database,INSERT – insert data into a table,UPDATE – updates existing data within a table,DELETE – deletes all records from a table.

Operating Systems Lab

1. Ability to develop application programs using system calls in UNIX.
2. Ability to implement interprocess communication between two processes.
3. Ability to design and solve synchronization problems.
4. Ability to simulate and implement operating system concepts such as scheduling, deadlock management, file management, and memory management

Gender Sensitization Lab

1. College students may have advanced a higher records of critical issues associated with gender in current-day India.
2. University college students may be sensitized to easy dimensions of the organic, dialogue of substances derived from studies, information, ordinary lifestyles, literature, and film. Sociological, mental and crook factors of gender.
3. College students will benefit a finer draw close of the manner gender discrimination works in our society and a way to counter it.
4. College students will acquire insight into the gendered department of labor and its relation to politics and economics.
5. Women and men college students and professionals will be better prepared to art work and stay together as equals.
6. College students will increase an enjoy of appreciation of ladies in all walks of life.
7. Through offering accounts of research and movements further to the trendy laws that provide protection and treatment to ladies, the textbook will empower college students to recognize and respond to gender violence.