

Course Outcomes (COs)

Subject & Code	BE 3rd Semester
3rd SEM	
CS-3005 Discrete Structures	<p>Student will be able:.</p> <p>C3005.1:Solve problems using algebraic structures.</p> <p>C3005.2: Solve problems using counting techniques and combinatorics.</p> <p>C3005.3: Apply operations on discrete structures such as sets, relations and functions in different areas of computing</p> <p>C3005.4: Solve discrete probability problems and variety of mathematical properties in discrete structure.</p> <p>C3005.5: Apply recurrence relations to solve problems in different domains</p>
4TH SEMESTER	
CS-4004 Analysis & Design of algorithm	<p>Student will be able to:</p> <p>C4004.1. Identify the dynamic-programming paradigm and algorithms based on this technique</p> <p>C4004.2. Analyze complexity of algorithms using asymptotic analysis.</p> <p>C4004.3. Describe the greedy paradigm and explain when an algorithmic design situation calls for it. Synthesize greedy algorithms, and analyze them.</p> <p>C4004.4. Analyze the performance of searching and sorting algorithm and its complexities.</p> <p>C4004.5. Apply the dynamic programming technique to compute real world problem.</p>

5thSEM

CS 5003 Database management System	<p>Students will be able to:</p> <p>C5003.1:. Summarize SQL Commands and its basic operators.</p> <p>C5003.2: Develop database programming skills in SQL.</p> <p>C5003.3: Apply Normalization theory for design database which possess no anomalies.</p> <p>C5003.4:. Demonstrate SQL query and various Relation algebra operations.</p> <p>C5003.5: Apply triggers and stored procedures in DBMS</p>
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6th SEM	
CS-6001 Advanced Computer Architecture	<p>Students will be able to</p> <p>C6001.1: Demonstrate the classes of computers, and new trends and developments in computer architecture.</p> <p>C6001.2: Identify the several advanced optimizations to achieve cache performance.</p> <p>C6001.3: Compare advanced performance enhancement techniques pipelines dynamic scheduling branch predictions, virtual machines.</p> <p>C6001.4: Contrast the modern computer architectures RISC, Scalar, and multi CPU systems.</p> <p>C6001.5: Apply experience to design computer processor and algorithm.</p>
7th SEM	
CS-7001 Distributed System	<p>Student will be able to</p> <p>C7001.1: Outline the core concepts and architecture of distributed systems</p> <p>C7001.2: Apply the concept of Distributed Operating Systems for computer applications.</p> <p>C7001.3: Differentiate distributed computing paradigm from other computing.</p> <p>C7001.4: Summarize the mechanisms for inter process communication in a distributed computing system.</p> <p>C7001.5: Identify appropriate distributed system principles in ensuring transparency, consistency and fault-tolerance in distributed file systems.</p>
8thSEM	
CS-8001 Soft Computing	<p>Student will be able to</p> <p>C8001.1: Outline the fuzzy logic and the concept of fuzziness for systems and fuzzy set theory.</p> <p>C8001.2: Apply fundamental theory and concepts of neural networks.</p> <p>C8001.3: Classify Neural Network architectures, algorithms, applications and their limitations</p> <p>C8001.4: Analysis appropriate learning rules for neural network paradigms and its applications.</p> <p>C8001.5: Apply the concept of genetic algorithm for soft computing problems.</p>