



### Course Outcomes

Academic Year – 2022-2023

Semester: IV (Autonomous)

Student will be able to

CO. No.	Description
<b>Course Outcomes:C41—Database Management System(U21IT 402)</b>	
C41.1	Design ER-models to represent simple database application scenarios and Construct database queries using SQL.
C41.2	Construct database queries using relational algebra and calculus
C41.3	Recognize and identify the use of normalization and functional dependency in database design.
C41.4	Apply the concept of a database transaction and related Concurrent, recovery facilities
C41.5	Apply and relate how to evaluate a set of queries in query processing.
CO. No.	Description
<b>Course Outcomes:C42—Operating Systems(U21IT 403)</b>	
C42.1	Understand the fundamental concepts and Functions of operating system.
C42.2	Analyze various scheduling algorithms.
C42.3	Understand deadlock, prevention and avoidance algorithms.
C42.4	Compare and contrast various memory management schemes.
C42.5	Understand the functionality of file systems and perform administrative tasks on Linux servers.
CO. No.	Description
<b>Course Outcomes: C43—Java programming(U21CS 403)</b>	
C43.1	Achieve proficiency in object-oriented concepts and also learns to incorporate the same into the Java programming language.
C43.2	Create Java application programs using sound OOP practices e.g., Inheritance, interfaces and proper program structuring by using packages, access control specifies.
C43.3	Understand and implement the concepts of Exception Handling in JAVA.
C43.4	Develop the ability to solve real-world problems through software development in high-level programming language using Large APIs of Java as well as the Java standard class library.
C43.5	Understand File, Streams, Input and Output Handling in java.

CO. No.	Description
	<b>Course Outcomes:C44—Discrete Mathematics (U21CM 401)</b>
<b>C44.1</b>	Distinguish between Propositional Logic and Predicate Logic, deriving valid proofs of inference and checking the validity of inferences
<b>C44.2</b>	Illustrate by examples the basic terminology of sets, relations, functions and algebraic structures along with their associated operations.
<b>C44.3</b>	Demonstrate basics of counting, principles of permutations, combinations, applying inclusion/exclusion principle and the pigeonhole methodology in solving counting problems.
<b>C44.4</b>	Demonstrate Generating functions, write recurrence relations and apply various techniques solving recurrence relations
<b>C44.5</b>	Transform a problem in computer science and engineering as a graph to solve it efficiently using concepts of graph Theory.

CO. No.	Description
	<b>Course Outcomes:C45 – Artificial Intelligence (U21CM 402)</b>
<b>C45.1</b>	Use appropriate search algorithms for any AI problem
<b>C45.2</b>	Represent a problem using first order and predicate logic
<b>C45.3</b>	Provide the apt agent strategy to solve a given problem
<b>C45.4</b>	Design software agents to solve a problem
<b>C45.5</b>	Design applications for NLP that use Artificial Intelligence.



**Course Outcomes**

Academic Year – 2022-2023

Semester: VI (OU)

Student will be able to

CO. No.	Description
<b>Course Outcomes: C61—Deep Learning Techniques (PC601 CSM)</b>	
C61.1	To understand the fundamentals of deep learning.
C61.2	To be able to understand deep learning algorithms and design neural network.
C61.3	To be able to train and implement a neural network.
C61.4	To be able to have knowledge about convolutional neural networks.
C61.5	To be able to apply neural networks in various fields.
CO. No.	Description
<b>Course Outcomes:C62—Computer Networks(PC602 CSM)</b>	
C62.1	Explain the functions of the different layer of the OSI and TCP/IP Protocol.
C62.2	Understand wide-area networks (WANs), local area networks (LANs) and Wireless LANs (WLANs) describe the function of each block.
C62.3	Illustrate network layer and transport layer protocols. For a given problem related TCP/IP protocol developed the network programming.
C62.4	Configure DNS , EMAIL, SNMP, Bluetooth, Firewalls using open source available software and tools
C62.5	Identify the types of encryption techniques
CO. No.	Description
<b>Course Outcomes:C63-Advance Machine Learning(PC603 CSM)</b>	
C63.1	Understand advanced concepts of machine learning.
C63.2	Design various machine learning algorithms.
C63.3	Implement machine learning algorithms in the range of real world applications.

<b>CO. No.</b>	<b>Description</b>
<b>Course Outcomes:C64-Soft Computing(PC604 CSM)</b>	
<b>C64.1</b>	Learn about soft computing techniques and their applications
<b>C64.2</b>	Learn about fuzzy logic, various fuzzy systems and their functions.
<b>C64.3</b>	Use fuzzy rules and reasoning to develop decision making and expert system
<b>C64.4</b>	Choose and design suitable neural network for real time problems
<b>C64.5</b>	Understand the genetic algorithm concepts and their applications
<b>CO. No.</b>	<b>Description</b>
<b>Course Outcomes:C65—Data Mining(PE622 CSM)</b>	
<b>C65.1</b>	Organize and Prepare the data needed for data mining using preprocessing techniques
<b>C65.2</b>	Implement the appropriate data mining methods like classification, clustering or Frequent Pattern mining on a given data set
<b>C65.3</b>	Define and apply metrics to measure the performance of various data mining algorithms
<b>C65.4</b>	Understanding the importance of data mining application and using the most appropriate approach or trend for the realistic strategy
<b>CO. No.</b>	<b>Description</b>
<b>Course Outcomes:C66–Soft Skills &amp; Interpersonal Skills(OE601EG)</b>	
<b>C66.1</b>	Listen to a variety of speakers and texts and will be able to comprehend and perform the required tasks.
<b>C66.2</b>	Speak and respond appropriately as per the task requirement.
<b>C66.3</b>	Read a variety of texts, comprehend, summarize them and perform the required tasks
<b>C66.4</b>	Write and publish a variety of documents such as Letters, Memos, Emails, Blogs, Reports, Cover Letters and Resume
<b>C66.5</b>	Demonstrate the right attitude and skills to cope with organizing and communicating professionally