

3.1.1 COURSE OUTCOMES

Academic Year: - 2024-25

Note: Number of Outcomes for a Course is expected to be around 6.

- **Note: Patterns referred to create this document are:**
 - A. For FE Artificial Intelligence & Data Science Engineering (Semester- I, II): 2024 Pattern

Class- FE	Course Name : Fundamentals of Programming Languages (ESC-105-COM)	Sem- I	Pattern: 2024
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COs	Course Outcomes
ESC-105-COM.1 (CO1)	To understand the fundamental Concepts of C Programming
ESC-105-COM.2 (CO2)	To acquire knowledge and Compare usage of Operators and Expressions in C Programming
ESC-105-COM.3 (CO3)	To apply Control Flow structures in C Programming for Problem solving
ESC-105-COM.4 (CO4)	To design a solution using Arrays, Character and String Arrays in C programming
ESC-105-COM.5 (CO5)	To design a develop solution for simple computational problems using User Defined Functions and structures in C Programming
ESC-105-COM.6 (CO6)	To implement and Evaluate the given Problem Statement by Applying Concepts of C Programming Language.

Class- FE	Course Name : Programming and Problem Solving (PCC-151-ITT)	Sem- II	Pattern: 2024
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COs	Course Outcomes
PCC-151-ITT.1	Inculcate and apply various skills in problem solving.
PCC-151-ITT.2	Choose appropriate programming constructs and features to solve the problems in diversified domains.
PCC-151-ITT.3	Exhibit the programming skills for problem-solving using functions and string manipulations.
PCC-151-ITT.4	Demonstrate File handling and dictionaries in Python.
PCC-151-ITT.5	Apply Object Oriented concepts in Python.
PCC-151-ITT.6	Apply Object Oriented concepts in Python.

Class- FE	Course Name : Design Thinking and Idea Lab (VSE- 102)	Sem- II	Pattern: 2024
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COs	Course Outcomes
VSE- 102.1	Identify and define problems from a user's perspective and articulate design criteria.
VSE- 102.2	Apply empathy and observation to gain insights into user needs and behaviors
VSE- 102.3	Generate innovative ideas and solutions through brainstorming and ideation.
VSE- 102.4	Prototype and test design solutions to refine and improve them
VSE- 102.5	Present and communicate design ideas effectively using visual aids and storytelling
VSE- 102.6	Collaborate with peers and industry professionals to address real-world design challenges