CS-05: CRITICAL THINKING AND PROBLEM SOLVING

Objective:
- Identify and define problems clearly and accurately
- To use logic, reasoning and analytical tools to evaluate information
- To recognize the value of ongoing learning and reflection in problem-solving, and continuously work to improve skills and approaches.
- To generate creative and innovative solutions to complex problems, and evaluate potential outcomes and consequences.

Prerequisites:
- A willingness to engage in self-evaluation.

Unit No.	Topic	Details
1	**Personality Development**	• Self-awareness Conducting self-assessment exercises, personality tests. • Emotional Intelligence Practicing emotional regulation and social skills • Motivation Setting personal and academic goals and developing strategies to achieve them.
2	**Introduction to Critical Thinking and Problem Solving**	• Definition of critical thinking and problem solving • Importance of critical thinking and problem solving in personal and professional life • Approaches to critical thinking and problem solving • Techniques of problem solving
3	**Time Management and Goal Setting**	• Importance of time management • Techniques for managing time effectively • Goal setting and its importance • SMART goal setting • Prioritizing tasks

Course Outcome:
- ➢ Develop a deep understanding of critical thinking concepts.
- ➢ Develop the ability to identify and analyze problems critically, using logic and reasoning to evaluate different solutions and arrive at an effective decision.
- ➢ Enhance the ability to collaborate and communicate effectively with others, and work together to solve complex problems.

➢ Develop a creative mindset and an ability to think outside the box, and generate innovative solutions to complex problems.

➢ Develop the ability to learn from failure, and use these experiences to grow and improve problem-solving skills.

Reference Books:

➢ Thinking, Fast and Slow" by Daniel Kahneman

➢ "Critical Thinking: An Introduction to Analytical Reading and Reasoning" by Larry Wright

➢ "The Art of Thinking Clearly" by Rolf Dobelli

➢ "Critical Thinking: A User's Manual" by Debra Jackson and Paul Newberry