



B.C.A. (Honours) & B.C.A. (Honours with Research)
(Semester - 1 and Semester - 2)
Saurashtra University
To be effective from June – 2023

CS-05: CRITICAL THINKING AND PROBLEM SOLVING		
Objective: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> A willingness to engage in self-evaluation. 		
Unit No.	Topic	Details
1	Personality Development	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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.



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- 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