

Gopal Narayan Singh University
Faculty of Information Technology

Course Name: Creative Thinking and Innovation

Total duration: 30 hours

Course Code: CT204

Course Objective: To foster creative thinking and innovation by equipping students with tools to solve problems creatively and generate innovative solutions. The course will introduce various creative thinking techniques, such as brainstorming and lateral thinking, and will emphasize the importance of creativity in today's rapidly changing world. Through real-life case studies and practical projects, students will learn how to apply creativity and innovation in various fields.

Unit 1: Introduction to Creative Thinking

6 hours

Overview of creative thinking, Barriers to creativity, Techniques for enhancing creativity

Unit 2: Lateral Thinking and Problem-Solving

6 hours

Concept of lateral thinking, Tools for lateral thinking (mind maps, brainstorming), Applying lateral thinking to real-world problems

Unit 3: Brainstorming and Ideation

6 hours

Effective brainstorming methods, Enhancing ideation, Convergent and divergent thinking

Unit 4: Innovation Strategies


6 hours


Turning creative ideas into innovations, Case studies on innovation in business, Managing innovation in teams

Unit 5: Overcoming Creative Blocks

6 hours

Recognizing creative blocks, Strategies for overcoming obstacles, Case studies on overcoming challenges


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