

Semester – VII

Unique Course Number: CPC701 Course Name: Digital Signal Processing

Unique CO Number	Course Outcome (CO) Statement
CS6051	Describe the concept of DT signal and use signal processing techniques
CS6052	Analyze and synthesize DT system in time domain
CS6053	Develop application using FFT flow graph and Fast DSP algorithm
CS6054	Design DSP System for real time signal processing

Unique Course Number: CPC702 Course Name: Cryptography and System Security

Unique CO Number	Course Outcome (CO) Statement
CS5041	Describe security goals, threats and vulnerabilities. (Knowledge)
CS5042	Explain various cryptographic algorithms (Comprehension)
CS5043	Apply specific technology or algorithm in solving real life security problems in practical systems. (Application)
CS5044	Familiar with current research issues and directions of security.

Unique Course Number: CPC703 Course Name: Artificial Intelligence

Unique CO Number	Course Outcome (CO) Statement
CS7021	Identify the characteristics of the environment and differentiate between various agent architectures.
CS7022	Identify and apply the most suitable search strategy to design problem solving agent.
CS7023	Represent a natural language description as statements in logic and apply the inference rules to design knowledge based agent and planning agent.
CS7024	Design a learning agent for a given problem and apply a suitable learning algorithm.
CS7025	Design and develop the AI application in real world scenario.

Unique Course Number: CPE7023 Course Name: Image Processing

Unique CO Number	Course Outcome (CO) Statement
CS6061	Describe the concept of Digital Image and Video Image.
CS6062	Explain and use image enhancement and Segmentation technique.
CS6063	Use different Image transform and other Image compression and decompression techniques for image processing and analysis.
CS6064	Perform Binary Image Processing Operations and develop its applications.

DEPARTMENT OF COMPUTER ENGINEERING

Unique Course Number: CPE7025 Course Name: Soft Computing

Unique CO Number	Course Outcome (CO) Statement
CS7041	Describe different learning rules of artificial neural network, a information processing system that models human brain and illustrate properties of fuzzy set and fuzzy relationships.
CS7042	Compare and contrast derivative based and derivative free optimization techniques and familiarization with genetic algorithm.
CS7043	Implement learning capabilities in neural network through supervised and unsupervised learning.
CS7044	Design and implement a system based on fuzzy system, genetic algorithms and hybrid system to solve real world problems

Unique Course Number: CPL701 Course Name: Network Threats and Attacks Laboratory

Unique CO Number	Course Outcome (CO) Statement
CS5121	Describe different techniques to scan and analyze the network.
CS5122	Identify network security vulnerability
CS5123	Illustrate network attacks.
CS5124	Implement system and network security.