



Sree Chitra Thirunal College of Engineering

Pappanamcode Thiruvananthapuram kerala -695018

principal@sctce.ac.in

Consolidated Course Outcomes Report

Batch	Sno	Subject	CO	Topic	Bloom's taxonomy level
CS 2K20	1	ARTIFICIAL INTELLIGENCE	CO1	Explain the fundamental concepts of intelligent systems and their architecture.	Understanding(U)
			CO2	Illustrate uninformed and informed search techniques for problem solving in intelligent systems.	Understanding(U)
			CO3	Solve adversarial search and Constraint Satisfaction Problems using search techniques.	Applying(P)
			CO4	Represent AI domain knowledge using logic systems and use inference techniques for reasoning in intelligent systems.	Applying(P)
			CO5	Illustrate different types of learning techniques used in intelligent systems	Understanding(U)
	2	COMPILER LAB	CO1	Implement lexical analyzer using the tool LEX.	Applying(P)
			CO2	Implement Syntax analyzer using the tool YACC.	Applying(P)
			CO3	Design NFA and DFA for a problem and write programs to perform operations on it.	Applying(P)
			CO4	Design and Implement Top-Down parsers.	Applying(P)
			CO5	Design and Implement Bottom-Up parsers.	Applying(P)
			CO6	Implement intermediate code for expressions.	Applying(P)
	3	SEMINAR	CO1	Identify academic documents from the literature which are related to his/her areas of interest.	Applying(P)
			CO2	Read and apprehend an academic document from the literature which is related to his/her area of interest.	Analyzing(A)
			CO3	Prepare a presentation about an academic document.	Create(C)
			CO4	Give a presentation about an academic document	Applying(P)
			CO5	Prepare a technical report	Create(C)
	4	PROJECT PHASE I	CO1	Review research literature and identify problem real world problems by applying knowledge across domains.	Applying(P)
			CO2	Identify technology/ research gaps and propose innovative/creative solutions.	Applying(P)
			CO3	Model real world problems for sustainable and socially relevant applications.	Applying(P)
			CO4	Function effectively as an individual and as a leader in diverse teams and comprehend and execute designated tasks.	Applying(P)
			CO5	Plan and execute tasks utilizing available resources within timelines following ethical and professional norms.	Applying(P)
			CO6	Organize and communicate technical and scientific findings effectively in written and oral forms.	Applying(P)
	5	WEB PROGRAMMING	CO1	Explain the fundamentals of WWW and Use of HyperText Markup Language (HTML) for authoring web pages	Understanding(U)
			CO2	Write and visually format responsive, interactive web pages using CSS and JavaScript (JS)	Applying(P)
			CO3	Develop dynamic web applications using PHP and perform MySQL database operations	Applying(P)
CO4			Explain the importance of object exchange formats using JSON and the MVC based web application development frameworks	Understanding(U)	
6	MACHINE LEARNING	CO1	Illustrate Machine Learning Concepts and Basics Parameter Estimation Methods	Applying(P)	
		CO2	Demonstrate supervised learning concepts	Applying(P)	
		CO3	Illustrate the concepts of Multi-layer neural network and Support Vector Machine	Applying(P)	
		CO4	Illustrate Unsupervised learning concepts and Dimensionality reduction techniques	Applying(P)	
		CO5	Solve Real life problems using Machine Learning models and evaluate the performance measures	Applying(P)	

7	INDUSTRIAL SAFETY ENGINEERING	CO1	Describe the theories of accident causation and preventive measures of industrial accidents	Understanding(U)
		CO2	Explain about personal protective equipment, its selection, safety performance & indicators and importance of housekeeping.	Understanding(U)
		CO3	Explain different issues in construction industries	Understanding(U)
		CO4	Describe various hazards associated with different machines and mechanical material handling.	Understanding(U)
		CO5	Utilise different hazard identification tools in different industries with the knowledge of different types of chemical hazards	Applying(P)
8	SUSTAINABLE ENERGY PROCESS	CO1	Understand the need for developing sustainable energy processes	Understanding(U)
		CO2	Assess the technology behind sustainable energy processes, its merits and demerits	Evaluate(E)
		CO3	Explain the various processes involved in the conversion of biomass, wind, solar, tidal energy and geothermal energy into useful energy	Understanding(U)
		CO4	Analyze the working of fuel cells and energy storage routes	Analyzing(A)
9	IoT and Applications	CO1	Understand the IoT fundamentals and architecture modelling	Remembering(R)
		CO2	Understand the smart things in IoT and functional blocks	Understanding(U)
		CO3	Understand the communication networks and protocols used in IoT.	Understanding(U)
		CO4	Understand the cloud resources, data analysis and applications.	Applying(P)
		CO5	Apply the IoT processes in embedded applications. (Apply: K3)	Applying(P)