



Sree Chitra Thirunal College of Engineering

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Consolidated Course Outcomes Report

Batch	Sino	Subject	CO	Topic	Bloom's taxonomy level
AM 2K20	1	INTRODUCTION TO INTERNET OF THINGS	CO1	Outline the fundamentals of IoT and its underlying physical and logical architecture	Understanding(U)
			CO2	Explain the hardware architectures for IoT	Understanding(U)
			CO3	Outline the Network architectures for IoT	Understanding(U)
			CO4	Implement data analytics on the IoT platforms	Applying(P)
			CO5	Appreciate the security considerations in IoT	Understanding(U)
			CO6	Implement IoT applications using the available hardware and software.	Applying(P)
	2	Soft Computing	CO1	Describe soft computing techniques and the basic models of Artificial Neural Network	Understanding(U)
			CO2	Solve practical problems using neural networks	Applying(P)
			CO3	Illustrate the operations, model and applications of fuzzy logic	Applying(P)
			CO4	Illustrate the concepts of Genetic Algorithm	Applying(P)
			CO5	Describe the concepts of multi-objective optimization models and the need for using hybrid soft computing approaches	Understanding(U)
	3	DATA COMPRESSION TECHNIQUES	CO1	Describe the fundamental principles of data compression	Understanding(U)
			CO2	Make use of statistical and dictionary based compression techniques for various applications	Applying(P)
			CO3	Illustrate various image compression standards	Understanding(U)
			CO4	Summarize video compression mechanisms to reduce the redundancy in video	Understanding(U)
			CO5	Use the fundamental principles of digital audio to compress audio data	Understanding(U)
	4	DATA MINING	CO1	Employ the key process of data mining and data warehousing concepts in application domain	Understanding(U)
			CO2	Make use of appropriate preprocessing techniques to convert raw data into suitable format for practical data mining tasks	Applying(P)
			CO3	Illustrate the use of classification and clustering algorithms in various application domains.	Applying(P)
			CO4	comprehend the use of association rule mining techniques	Applying(P)
			CO5	explain advanced data mining concepts and their applications in emerging domains	Understanding(U)
	5	BLOCK CHAIN TECHNOLOGIES	CO1	Illustrate the cryptographic building blocks of blockchain technology	Understanding(U)
			CO2	Explain the fundamental concepts of blockchain technology	Understanding(U)
			CO3	Summarize the classification of consensus algorithms	Understanding(U)
CO4			Explain the concepts of first decentralized cryptocurrency bitcoin.	Understanding(U)	
CO5			Explain the use of smart contracts and its use cases.	Understanding(U)	
CO6			Develop simple applications using Solidity language on Ethereum platform.	Applying(P)	
6	PROJECT PHASE II	CO1	Model and solve real world problems by applying knowledge across domains	Applying(P)	
		CO2	Develop products, processes or technologies for sustainable and socially relevant applications	Applying(P)	
		CO3	Function effectively as an individual and as a leader in diverse teams and to comprehend and execute designated tasks	Applying(P)	
		CO4	Plan and execute tasks utilizing available resources within timelines, following ethical and professional norms	Applying(P)	
		CO5	Identify technology/research gaps and propose innovative/creative solutions	Analyzing(A)	
		CO6	Organize and communicate technical and scientific findings effectively in written and oral forms	Applying(P)	