Consolidated Course Outcomes Report

Batch	Slno	Subject	CO	Topic	Bloom's taxonomy level
EC 2K20 A	1	WIRELESS COMMUNICATION	CO1	Summarize the basics of cellular system and cellular design fundamentals	Understanding(U)
			CO2	Describe the wireless channel models and discuss capacity of wireless channels	Understanding(U)
			CO3	Analyze the performance of the modulation techniques for flat-fading channels and multicarrier modulation	Analyzing(A)
			CO4	Illustrate how receiver performance can be enhanced by various diversity and equalization techniques	Understanding(U)
			CO5	Analyze the system parameters such as antenna height, range, maximum usable frequency in different modes of radio wave propagation	Analyzing(A)
	2	ENTREPRENEURSHIP	CO1	Discuss the fundamental concepts of entrepreneurship	Understanding(U)
			CO2	Understand entrepreneurial motivation and motivation theories	Understanding(U)
			CO3	Analyze types of enterprises and ownership structure	Analyzing(A)
			CO4	Apply project evaluation methods	Applying(P)
			CO5	Evaluate enterprise financial strength	Evaluate(E)
	3	BIOMEDICAL ENGINEERING	CO1	Understand basic bioelectric potentials and its implications in diagnostics	
			CO2	Understand the principles of used for diagnostics of abnormalities in the cardiovascular system	
			CO3	Explain the techniques used for diagnosis and therapy in the neuromuscular system	
			CO4	Understand the principle and working of different types of bio medical equipment/device	
			CO5	Classify various diagnostic medical imaging techniques	
	4	MODERN COMMUNICATION SYSTEMS	CO1	Explain OFDM, OFDMA and SC-FDMA techniques used in cellular communication	Understanding(U)
			CO2	Discuss the different wireless communication standards for short range communication	Understanding(U)
			CO3	Explain the IoT architecture and various connectivity technologies used in IoT Systems	Understanding(U)
			CO4	Understand the various communication standards for connected autonomous vehicles	Understanding(U)
			CO5	Explain the significance and architecture of software defined radio and cognitive radio	Understanding(U)
	5	REAL TIME OPERATING SYSTEMS	CO1	Summarize the functions and structure of different operating systems	Understanding(U)
			CO2	Use of different scheduling algorithms on processes and threads.	Applying(P)
			CO3	Interpret a real time operating system along with its synchronization, communication and interrupt handling tools.	Understanding(U)
			CO4	Illustrate task constraints and analyze the different scheduling algorithms on tasks.	Analyzing(A)
			CO5	Illustrate the applications of real time operating systems.	Applying(P)
	6	INTERNET OF THINGS	CO1	Understand the IoT fundamentals and architecture modelling	Remembering(R)
			CO2	Understand the smart things in IoT and functional blocks	Understanding(U)
			CO3	To understand the communication networks and protocols used in IoT	Understanding(U)
			CO4	To understand the cloud resources, data analysis and applications	Applying(P)
			CO5	To apply the IoT processes in embedded applications	Applying(P)
	7	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)

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				CO4	Plan and execute task 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)