Sree Chitra Thirunal College of Engineering

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Consolidated Course Outcomes Report

Batch	Slno	Subject	CO	Topic	Bloom's taxonomy level
BT 2K20	1	ENVIRONMENTAL BIOTECHNOLOGY	CO1	Elucidate the role of microorganisms in preventing and abating environmental ollution	Understanding(U)
			CO2	identify the common pathways in removal and detoxification of pollutants	Understanding(U)
			CO3	Summarize important energy reactions in waste degradation	Understanding(U)
			CO4	Summarize the various types of oxygen demand in wastewater and the role of biofilm processes.	Understanding(U)
	2	EFFLUENT/ WASTE WATER TREATMENT	CO1	Summarize the characteristics of wastewater and the different reactors used in waste water treatment.	Understanding(U)
			CO2	Interpret the design aspects of different filters in waste water treatment.	Applying(P)
			CO3	Demonstrate the various sewage treatment methods.	Applying(P)
			CO4	Identify the sludge treatment and disposal methods.	Understanding(U)
	3	CANCER BIOLOGY	CO1	Understand how cancer manifest in human body	Understanding(U)
			CO2	Exemplify the various factors that influence cancer	Understanding(U)
			CO3	articulate how the latest technologies provide insights into cancer prevention, diagnosis, and treatment	Analyzing(A)
	4	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	Applying(P)
			CO6	Organize and communicate technical and scientific findings effectively in written and oral forms	Applying(P)
	5	COMPREHENSIVE COURSE VIVA	CO1	Examine the knowledge acquired in the core courses in Biotechnology Engineering/Biotechnology & Biochemical Engineering degree.	Applying(P)
			CO2	Develop confidence to appear for any competitive and/or other examinations and to face interviews	Applying(P)
			CO3	Communicate the views clearly and precisely with anyone in scholarly environments	Understanding(U)
			CO4	Apply the comprehensive knowledge gained in core courses in understanding engineering problems relevant to the society	Applying(P)
	6	BIOPHARMACEUTICAL TECHNOLOGY	CO1	Identify various categories of biopharmaceuticals and their uses	Applying(P)
			CO2	Explain the process of drug absorption, distribution, metabolism and elimination	Understanding(U)
			CO3	Elucidate the importance of pharmacokinetic models and their applications	Understanding(U)
			CO4	Explain the approaches to drug discovery and development	Understanding(U)
			CO5	Describe the production of selected biopharmaceutical products	Remembering(R)