AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER DEPARTMENT OF ELECTRONICS & COMPUTER ENGINEERING <u>COURSE OUTCOMES (CO)</u>

TE. 2019 Course

Database Management (310341), TE-Sem-V, 2023-24

After successfully completing the course students will be able to,

Co. No.	Description	Bloom's Taxonomy
		Level
C301.1	Understand the underlying concepts of a database system	2
C301.2	Design a database schema for a given problem-domain using	6
	data model	
C301.3	Formulate, using SQL/DML/DDL commands, solutions to	3,6
	a wide range of query and update problems	
C301.4	Implement transactions, concurrency control, and be able to	3
	do Database recovery	
C301.5	Understand various Database Architectures and its	2
	applications	
C301.6	Understand distributed database management systems.	2

Advanced Java Programming (310342), TE-Sem-V, 2023-24

After successfully completing the course students will be able to,

Co. No.	Description	Bloom's Taxonomy
		Level
C302.1	Design and develop GUI applications using Applets.	6
C302.2	Apply relevant AWT/ swing components to handle the	3
	given event.	
C302.3	Design and develop GUI applications using Abstract	6
	Windowing Toolkit (AWT), Swing and Event Handling.	
C302.4	Learn to access database through Java programs, using Java	2
	Database Connectivity (JDBC)	
C302.5	Invoke the remote methods in an application using Remote	3
	Method Invocation (RMI).	
C302.6	Develop program for client /server communication using	6
	Java Networking classes.	

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TE. 2019 Course

Data Communication (310343), TE-Sem-V, 2023-24

After successfully completing the course students will be able to,

Co. No.	Description	Bloom's Taxonomy
		Level
C303.1	Understand network communication using the layered	2
	concept, Open System Interconnect (OSI) and the Internet	
	Model.	
C303.2	Types of transmission media, network devices; and	5
	parameters of evaluation of performance for each media and	
	device.	
C303.3	To explain the design of, and algorithms used in, the	2,6
	physical, data link layers.	
C303.4	working principles of LAN and understand concepts behind	2
	physical and logical addressing, subnetting and supernetting.	
C303.5	The functions performed by a Network Management System	4
	and to analyze connection establishment and congestion	
	control with respect to TCP Protocol.	
C303.6	The principles and operations & design of various	6
	application layer protocols like HTTP, SMTP, FTP.	

Microcontroller & Applications (310344), TE-Sem-V, 2023-24

After successfully completing the course students will be able to,

Co. No.	Description	Bloom's Taxonomy Level
C304.1	Understand architecture and features of 8051 microcontroller along with instruction set.	2
C304.2	Define software and hardware development tools, Illustrate interfacing with different peripherals.	1,2
C304.3	Design and Develop interfacing to real world devices using 8051 microcontroller.	6
C304.4	Describe architecture of MSP430, their targeted application and features along with instruction set.	1,2
C304.5	Explain different GPIO registers, its programming and I/O multiplexing. Develop applications by interfacing peripherals with MSP430 microcontroller.	6
C304.6	Develop applications based on 8051 and MSP430 microcontroller.	2

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TE. 2019 Course

Elective –I Block Chain Technology (310345B), TE-Sem-V, 2023-24

After successfully completing the course students will be able to,

Co. No.	Description	Bloom's Taxonomy
		Level
C305.1	Understand the basic concepts and architecture of	2
	Blockchain Technology	
C305.2	Demonstrate distributed decentralized system, its	3
	applications and regulations	
C305.3	Demonstrate the application of hashing in cryptography	3
C305.4	Demonstrate the verification process through Ethereum and	3
	consensus in blockchain technology.	
C305.5	Illustrate the concepts of Bitcoin and its process in	4
	blockchain technology.	
C305.6	Understand and illustrate Blockchian with allied	2
	technologies such as cloud computing, AI, IoT, Robotics	