AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER

Department Of Information Technology

Course Outcomes

TE – 2019 Course			
Course Code	**Course Name**	**Course Outcomes**	
Semester – I			
314441 :	**Theory of Computation**	CO1	Construct finite automata and its variants to solve computing problems
		CO2	Write regular expressions for the regular languages and finite automata
		CO3	Identify types of grammar, design and simplify Context Free Grammar
		CO4	Construct Pushdown Automata machine for the Context Free Language.
		CO5	Design and analyze Turing machines for formal languages
		CO6	Understand decidable and undecidable problems, analyze complexity classes.
314442 :	**Operating System& Operating System Lab**	CO1	To introduce basic concepts and functions of modern operating systems.
		CO2	To understand the concept of process, thread management and scheduling.
		CO3	To learn the concept of concurrency control.
		CO4	To study various Memory Management techniques.
		CO5	To know the concept of I/O and File management.

		CO6	To learn concept of system software
		CO7	To learn the Scheduling Memory management process management
314443:	**Machine Learning**	CO1	Apply basic concepts of machine learning and different types of machine learning algorithms.
		CO2	Compare different types of classification models and their relevant application.
		CO3	Differentiate various regression techniques and evaluate their performance.
		CO4	Illustrate the tree-based and probabilistic machine learning algorithms.
		CO5	Identify different unsupervised learning algorithms for the related real-world problems.
		CO6	Apply fundamental concepts of ANN.
314444	**Human Computer Interaction and Human Computer Interaction-Lab**	CO1	**Explain** importance of HCI study and principles of user-centered design (UCD) approach.
		CO2	**Develop** understanding of human factors in HCI design.
		CO3	**Develop** understanding of models, paradigms, and context of interactions.
		CO4	**Design** effective user-interfaces following a structured and organized UCD process.
		CO5	**Evaluate** usability of a user-interface design.

		CO6	**Apply** cognitive models for predicting human-computer-interactions.
		CO7	**Implement** user-interface design using web technology.
314445(D)	**Internet of Things (IoT)**	CO1	Discuss fundamentals, architecture and framework of IoT.
		CO2	Justify the significance of protocol for wireless communication and IoT challenges.
		CO3	Select suitable sensors and actuators for real time scenarios.
		CO4	Understand the Python programming for development of IoT applications.
		CO5	Understand the Python programming for development of IoT applications.
		CO6	Design and Implement real time IoT applications.
		CO7	Design and implement real time IOT based applications using sensors and actuators over interfacing with cloud.