SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

COURSE OUTCOMES

A.Y:2019-20 Year/Sem: II-I

CO Number	Course Outcome(CO) Statement-At the end of the Course/Subject, the students will be able to	Blooms Taxonomy
Statistics with R Programming(C211)		
C211.1	Discuss Vectors and List motivation for learning a programming language	Understand
C211.2	Access online resources for R and import new function packages into the R workspace& working with control structures in R	Understand
C211.3	Import, review, manipulate and summarize data-sets in R	Analyze
C211.4	Explore data-sets to create testable hypotheses and identify appropriate statistical tests	Understand
C211.5	Perform appropriates statistical tests using R Create and edit visualizations	Apply
C211.6	Perform R for the computation, graphics, and modeling to analyze	Apply
Mathematical Foundations of Computer Science(C212)		
C212.1	Write and Demonstrate an argument using logical notation	Apply
C212.2	Describe sets, relations, functions and their properties	Understand
C212.3	Explain number theory, mathematical induction and definegroups, monoids, subgroups, semi groups and rings	Understand
C212.4	Solve the Permutations and Combinations Problems.	Apply
C212.5	Solve homogeneous and non-homogeneous recurrence relations.	Apply
C212.6	Demonstrate different traversal methods for trees and graphs	Apply
Digital Logic Design(C213)		
C213.1	discuss the structure of number systems and its applications	Understand
C213.2	Design circuits to solve problems using gates to replicate all logic functions	Apply
C213.3	Formulate and employ a Karnaugh Map to reduce Boolean expression and logic circuits to their simplest forms	Analysis
C213.4	Analyze and design combinational logic circuits	Analysis
C213.5	Analyze and design sequential logic circuits	Analysis
C213.6	Analyze and design sequential logic circuits	Analysis
Python Programming(C214)		
C214.1	Memorize the basic syntax of Python Programming.	Remember
C214.2	Recognize and Demonstrate common programming idioms: Operators, branching and loops	Understand
C214.3	Define and demonstrate the use of the built-in data structures	Understand

C214.4	Adequately use standard programming constructs: functions, modules and packages	Apply
C214.5	Demonstrate and solve any given problems using object oriented features and exception handling	Apply
C214.6	Design and implement a program to solve any given problem using the language idioms, data structures and standard library	Create
Data Structures through C++(C215)		
C215.1	define the Concepts of OOPS, Data Structures and basic terminology used in Data Structures	Remember
C215.2	Discuss basic understanding and knowledge of Stacks, Queues using Abstract Data Type	Understand
C215.3	solve the problems using Linked List in C++	Apply
C215.4	compare the linear data structures with non linear data structures and explain the different types of Trees and its operations	Analysis
C215.5	to compute the Shortest Path, Minimum Cost Spanning Trees for the given graph	Evaluate
C215.6	choose the best sorting techniques in terms of Time Complexity.	Create
Computer Graphics(C216)		
C216.1	Define ,implement and compare 2D Output primitives	Analyze
C216.2	Describe the importance of viewing and projections in 3D	Understand
C216.3	Write various color models,3D Properties and OpenGL software	Understand
C216.4	Explain various shading models	Understand
C216.5	Describe Fractals and self similarity	Understand
C216.6	Explain Ray tracing methods and Design an application program with OPENGL	Create

Faculty Coordinator HOD