PERI
INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
REGULATION-2017

COURSE OUTCOMES

SEM III	**Course Name: Discrete Mathematics - MA8351**	
	Students will be able to :	
	MA8351.1	Have knowledge of the concepts needed to test the logic of a program.
	MA8351.2	Have an understanding in identifying structures on many levels.
	MA8351.3	Be aware of a class of functions which transform a finite set into another finite set which relates to input and output functions in computer science.
	MA8351.4	Be aware of the counting principles.
	MA8351.5	Be exposed to concepts and properties of algebraic structures such as groups, rings and fields.

SEM III	**Course Name: Digital Principles and System Design - CS8351**	
	Students will be able to :	
	CS8351.1	Simplify Boolean functions using Kmap.
	CS8351.2	Design and analyze combinational and sequential circuits.
	CS8351.3	Implement designs using programmable logic devices.
	CS8351.4	Write HDL code for combinational and sequential circuits.
	CS8351.5	Design and analyze Programmable logic array and sequential programmable devices

SEM	**Course Name: Data Structures - CS8391**

	Students will be able to :	
	CS8391.1	Simplify Boolean functions using Kmap.
	CS8391.2	Apply the different linear and non-linear data structures to problem solutions.
	CS8391.3	Critically analyze the various sorting algorithms.
	CS8391.4	Apply the different applications of graphs
	CS8391.5	Critically analyze the hashing techniques.

SEM III	**Course Name: Object Oriented Programming - CS8392**	
	Students will be able to :	
	CS8392.1	Develop Java programs using OOP principles
	CS8392.2	Develop Java programs with the concept's inheritance and interfaces.
	CS8392.3	Build Java applications using exceptions and I/O streams.
	CS8392.4	Develop Java applications with threads and generics classes.
	CS8392.5	Develop interactive Java programs using swings.

SEM III	**Course Name: Communication Engineering - CS8395**	
	Students will be able to:	
	CS8395.1	Ability to comprehend and appreciate the significance and role of this course in the present contemporary world.
	CS8395.2	Apply analog and digital communication techniques.
	CS8395.3	Use data and pulse communication techniques.
	CS8395.4	Analyze Source and Error control coding.
	CS8395.5	Analyze Spread spectrum multiple access.

SEM III	**Course Name: Data Structures Laboratory - CS8381**	
	Students will be able to:	
	CS8381.1	Write functions to implement linear and non-linear data structure operations
	CS8381.2	Suggest appropriate linear / non-linear data structure operations for solving a given problem
	CS8381.3	Appropriately use the linear / non-linear data structure operations for a given problem
	CS8381.4	Apply appropriate hash functions that result in a collision free scenario for data storage and retrieval
	CS8381.5	Suggest appropriate graph representation and application of graphs

SEM III	**Course Name: Object Oriented Programming Laboratory - CS8383**	
	Students will be able to:	
	CS8383.1	Develop and implement Java programs for simple applications that make use of classes, packages and interfaces.
	CS8383.2	Develop and implement Java programs with array list, exception handling and multithreading.
	CS8383.3	Design applications using file processing, generic programming and event handling
	CS8383.4	Design a calculator using event-driven programming
	CS8383.5	Develop a mini project for any application using Java concepts.

SEM	**Course Name: Digital Laboratory - CS8382**

	Students will be able to:	
	CS8382.1	Apply Boolean simplification techniques to construct combinational logic circuits
	CS8382.2	Build combinational logic circuits to perform arithmetic operations.
	CS8382.3	Construct Sequential logic circuits to perform Count & Shift operations.
	CS8382.4	Develop HDL Code to model Combinational & Sequential logics.
	CS8382.5	Develop a simple digital system.