DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
REGULATION-2017

COURSE OUTCOMES

SEM IV	Course Name: Computer Architecture - CS8491	
	Students will be able to:	
	CS8491.1	Understand the basics structure of computers, operations and instructions.
	CS8491.2	Design arithmetic and logic unit
	CS8491.3	Understand pipelined execution and design control unit.
	CS8491.4	Understand parallel processing architectures
	CS8491.5	Understand the various memory systems and I/O communication.

SEM IV	Course Name: Database Management Systems - CS8492	
	Students will be able to:	
	CS8492.1	Classify the modern and futuristic database applications based on size and complexity.
	CS8492.2	Map ER model to Relational model to perform database design effectively.
	CS8492.3	Write queries using normalization criteria and optimize queries.
	CS8492.4	Compare and contrast various indexing strategies in different database systems.
	CS8492.5	Appraise how advanced databases differ from traditional databases.

	Course Name: Design and Analysis of Algorithms - CS8451	
	Students will be able to:	
SEM IV	**CS8451.1**	Design algorithms for various computing problems.
	CS8451.2	Analyze the time and space complexity of algorithms.
	CS8451.3	Critically analyze the different algorithm design techniques for a given problem.
	CS8451.4	Modify existing algorithms to improve efficiency.
	CS8451.5	Identify the limitations of algorithms in problem solving.

	Course Name: Operating Systems - CS8493	
	Students will be able to:	
SEM IV	**CS8493.1**	Analyze various scheduling algorithms.
	CS8493.2	Understand deadlock, prevention and avoidance algorithms.
	CS8493.3	Compare and contrast various memory management schemes.
	CS8492.4	Understand the functionality of file systems.
	CS8493.5	Perform administrative tasks on Linux Servers.
	CS8493.6	Compare iOS and Android Operating Systems.

	Course Name: Software Engineering - CS8494
SEM	

	Students will be able to:	
	CS8494.1	Identify the key activities in managing a software project.
	CS8494.2	Compare different process models.
	CS8494.3	Concepts of requirements engineering and Analysis Modeling
	CS8494.4	Apply systematic procedure for software design and deployment.
	CS8494.5	Compare and contrast the various testing and maintenance
	CS8494.6	Manage project schedule, estimate project cost and effort required.

	Course Name: Database Management Systems Lab - **CS8481**	
	Students will be able to:	
SEM IV	**CS8481.2**	Use typical data definitions and manipulation commands.
	CS8481.2	Design applications to test Nested and Join Queries
	CS8481,3	Implement simple applications that use Views
	CS8481.4	Implement applications that require a Front-end Tool
	CS8481.5	Critically analyze the use of Tables, Views, Functions and Procedures

	Course Name: Operating Systems Lab - **CS8461**	
	Students will be able to:	
SEM IV	**CS8461.2**	Compare the performance of various CPU Scheduling Algorithms
	CS8461.2	Implement Deadlock avoidance and Detection Algorithms
	CS8461,3	Implement Semaphores
	CS8461.4	Create processes and implement IPC
	CS8461.5	Implement File Organization and File Allocation Strategies

	Course Name: Advanced Reading and Writing - HS8461	
	Students will be able to:	
SEM IV	HS8461.2	Write different types of essays.
	HS8461.2	Listen and evaluate texts critically.
	HS8461,3	Read and evaluate texts critically.
	HS8461.4	Write winning job applications.
	HS8461.5	Display critical thinking in various professional contexts.