			DATA	SCIENCE					
			SEM	: III (R19)					
Course CSC301 Code:		CSC301	Course Name	ENGINERING MATHEMATICS-III					
РО	PSO	Competency	PI	Bloom's Level	со	Description			
1,2,5	-	1.6	1.6.1,2.6.3	3	1	Apply the concept of Laplace transforms and use to solve real integrals in engineering problems			
2,3	-	2.5	2.5.2,3.5.6	3,5	2	Identify the concept of inverse laplace transform and compare to various functions and its applications			
3,4	-	3.5	3.5.6,4.5.1	3,6	3	Develop and determine Fourier series for real life problems and applications.			
1,2	-	2.8	1.6.1,2.8.1	3,4	4	Apply the properties of Complex analysis and select the application to orthogonal trajectories.			
2,3,5	-	5.4	2.6.3,5.4.2	3	5	Use the concept of statistical techniques to solve problems in da science, machine learning and AI.			
1,2,12	-	1.2	1.2.2,2.8.1, 12.5.2	3	6	Apply the concept of probability, expectation to determine the spread of data and probability distribution.			
Course CSC302		Course Name		DISCRETE STRUCTURE AND GRAPH THEORY					
РО	PSO	Competency	PI	Bloom's Level	со	Description			
1	1	1.1	1.1.1	3	1	Apply clear thinking for problem solving using laws of logic and mathematical induction.			
2	1	2.5	2.5.3	3	2	Apply the knowledge of Discrete Structure to solve complex relations and functions to find appropriate solution			
2	1	2.6	2.6.3	3	3	Analyze complex relations and design Hasse diagram and Lattic			
2	1	2.8	2.8.1	4	4	Apply formulate and analyse permutation and combination using principle of mathematics.			
4	1	4.6	4.6.1	4	5	Use different algebra structures to analyse data.			
4	1	4.6	4.6.3	4	6	Apply concepts of graph theory in solving real world problem			
Course Code:		CSC303	Course Name			DATA STRUCTURE			
РО	PSO	Competency	PI	Bloom's Level	со	Description			
3	-	2.5	2.5.2	1	1	Identify functionalities of Data structure of a computer-based system to solve a engineering problem			
3	-	3.6	3.6.2	1	2	Able to produce a variety of potential design solutions suited to meet functional requirements for implementation of stack and queue			
5	_	5.4	5.4.1	1	3	Identify different Linked list techniques for engineering activitie			
4	-	4.4	4.4.3	1	4	Able to choose appropriate tree traversal method to conduct the experiment.			
5	-	5.4	5.4.2	6	5	Adapt graph traversal techniques to solve engineering problems			
1	1	1	1.7.1	3	6	Apply theory and principles searching techniques of compute science and engineering to solve an engineering problem			

Course Code:	CSC304		Course Name			DIGITAL LOGIC & COMPUTER ARCHITECTURE		
РО	PSO	Competency	PI	Bloom's Level	C O	Description		
2	2	2.6	2.6.5	1	1	To learn different number systems and basic structure of computer system.		
1	2	1.2	1.2.1	5	2	To demonstrate the arithmetic algorithms.		
4	2	4.6	4.6.1	3	3	To understand the basic concepts of digital components and processor organization.		
2	2	2.8	2.8.2	1	4	To understand the generation of control signals of computer.		
3	2	3.8	3.8.2	5	5	To demonstrate the memory organization.		
2	2	2.6	2.6.4	1	6	To describe the concepts of parallel processing and different Buses.		
Course		CSC305	Course			COMPUTER GRAPHICS		
Code:		050505	Name					
РО	PSO	Competency	PI	Bloom's Level	со	Description		
1	1	1.6	1.6.1	1	1	Describe the basic concept of Computer Graphics		
2	1	2.5	2.5.3	2	2	Demonstrate various algorithms for basic graphics primitives.		
1	2	1.2	1.2.1	3	3	Apply 2-D geometric transformations on graphical objects Matrix multiplication		
4	2	4.5	4.5.1	3	4	Use various Clipping algorithms on graphical objects.		
2	2	2.7	2.7.2	4	5	Explore 3-D geometric transformations, curve representation techniques and projections methods.		
5	2	5.4	5.4.2	6	6	Explain Visible Surface Detection Techniques And Animation		
Course Code:		CSL301	Course Name	DATA STRUCTURE LAB		DATA STRUCTURE LAB		
РО	PSO	Competency	PI	Bloom's Level	C O	Description		
3	1	3.6	3.6.2	3	1	Able to produce a variety of potential design solutions suited to meet functional requirements for implementation of stack		
3	1	3.6	3.6.2	4	2	Design potential solutions suited to meet functional requirements for implementation of queue		
5	1	5.4	5.4.1	3	3	illustrate and apply different Linked list techniques for engineering activities		
4	1	4.4	4.4.2	2	4	Able to choose appropriate tree traversal method to conduct the experiment.		
5	2	5.4	5.4.2	2,4	5	Adapt graph traversal techniques to solve engineering problems		
1	1	1.7	1.7.1	1,3	6	Apply theory and principles searching techniques of computer science and engineering to solve an engineering problem		
Course Code:		CSL302	Course Name		1	DIGITAL LOGIC & COMPUTER ORGANIZATION AND ARCHITECTURE LAB		
РО	PSO	Competency	Ы	Bloom's Level	C O	Description		
2	1	2.4	2.4.4	2	1	Understand the basics implementation of gates.		
4	2	4.2	4.2.1	6	2	Implement arithmetic operations using Multiplexer/demultiplexer.		
2	1	2.1	2.1.2	2	3	Understand and learn about basics of counters .		
2	2	2.4	2.4.1	6	4	Implement arithmetic operations using various algorithms.		
4	2	4.1	4.1.3	2,6	5	Understand and implement the processor designing.		
1	2	1.3	1.3.1	5	6	Implement the operation of memory and caches.		
Course Code:		CSL303	Course Name			COMPUTER GRAPHICS LAB		
РО	PSO	Competency	PI	Bloom's Level	C O	Description		
					0			

3	1		3.6	3.6.2	2	2	Implement various filled area primitive algorithms	
1	2		1.2	1.2.1	3	3	Apply transformation on graphical objects	
4	2		4.5	4.5.1	3	4	Apply clipping algorithms on graphical objects	
2	2		2.7	2.7.2	4	5	Perform curve and fractal generation methods.	
5	2		5.4	5.4.2	6	6	Develop a Graphical application/Animation based on learned concept	
Course		CS	SL304	Course		OOPM LAB		
Code:				Name				
РО	PSO		Competency	PI	Bloom's Level	СО	Description	
1	1		1.6	1.6.1	2	1	Understanding fundamental programming constructs	
3	1,2		3.6	3.6.2	4	2	Illustrate the concept of packages, classes and objects.	
5	2		5.4	5.4.2	3	3	To extend the concept of strings, arrays and vectors.	
3	-		3.6	3.6.1	4	4	To implement the concept of inheritance and interfaces	
4	1,2	1,2 4.5		4.5.1	2	5	Deep understating of handling exceptions and threads in JAVA Programming	
4	2		4.4	4.4.3	3	6	Illustrating GUI based application.	
Course		CS	SM301	Course			MINI PROJECT 1 A	
Code:				Name	D 1 1			
РО	PSC)	Competency	PI	Bloom's Level	со	Description	
9	2		9.4	9.4.2	1,5	1	Understand problems and use knowledge and skills to interpret societal/research	
							problems in a group	
9	1		9.5	9.5.1	6	2	Build interpersonal skills to work as member of a group or leader	
7	1		7.3	7.3.2	2	3	Design the proper inference through theoretical/experimental/simulation and	
1	2		1.6	1.6.1	3	4	illustrate the impact of solution in social, environmental context for sustainable Apply standard norms of engineering practices	
10	1		10.4	10.4.2	6	5	Develop in written and oral communication	
9	2		9.6	9.6.1	3,6	6	Apply project management principles and capabilities of self-learning in a group for a lifelong learning	

					SEM:	IV (R 19)			
Course		CSC401	Course	ENGINEERING MATHEMATICS-IV					
Code: PO	PSO	Competency	Name PI	Bloom's	со	Description			
_		F F F F		Level		Apply The Concept Of Eigenvalues And Eigenvectors In engineering			
1,2,3	-	1.7	1.7.1	3	1	problems			
2,4	-	2.8	2.8.1	3,5	2	Use the concepts of Complex integration for evaluating integrals, computing residues and evaluate various contour integrals.			
1,5	-	5.4	5.4.2	3	3	Apply the concept of Z-transformation and inverse in engineering problem.			
1,2,12	-	2.8	2.8.4,	3,2	4	Illustrate understanding the concept of probability distribution and sampling theory to engineering problem.			
1,4	-	4.5	4.5.1	3	5	Apply the concept of Linear programming problems to optimization.			
2.4	-	2.6	2.6.3	3	6	Solve Non linear programming problem for optimization of engineering problem.			
Course Code:		CSC402	Course Name	ANALYSIS OF ALGORITHMS					
РО	PSO	Competency	PI	Bloom's Level	со	Description			
2	1	2.8	2.8.2	3,4	1	Analyze the running time and space complexity of algorithms.			
`1	1	1.2	1.2.2	3,4	2	Describe, apply and analyze the complexity of divide and conquer strategy.			
1	1	2.7	1.2.2	3,4	3	Describe, apply and analyze the complexity of greedy strategy.			
2	1	2.4	2.7.1	2, 3, 4	4	Describe, apply and analyze the complexity of dynamic programming strategy.			
2	1	2.4	2.4.3	3	5	Explain and apply backtracking, branch and bound.			
2	1	2.1	2.1.1	3	6	Explain and apply string matching techniques.			
Course Code:		CSC403	Course Name	DATABASE MANAGEMENT SYSTEM		DATABASE MANAGEMENT SYSTEM			
РО	PSO	Competency	PI	Bloom's Level	со	Description			
2	1	2.8	2.8.1	1,3	1	Identify and analyze the roles and responsibilities of different types of user and investigate the different architecture to find appropriate solution.			
4	1	4.5	4.5.1	3	2	Understand and Design data modeling using ER and Extended ER features to meet the specified needs.			
4	2	4.6	4.6.3	3	3	Investigate and apply different relational algebra operators to find appropriate solution leading to valid conclusion.			
1	1	1.7	1.7.6	4	4	Investigate and formulate SQL queries to find appropriate solution to complex problems.			
2	1	2.8	2.8.1	2	5	Analyze and apply different normalization techniques to process and meet the specified needs with appropriate solution			
2	2	2.8	2.8.3	3	6	Identify the strength and limitation of tools for concept of transaction, concurrency and recovery			
Course Code:		CSC404	Course Name			OPERATING SYSTEM			
РО	PSO	Competency	PI	Bloom's Level	со	Description			
2	1	1.2	1.2.1	3	1	Understand the objectives, functions and structure of Operating system.			
2	1	1.1	1.1.1	3	2	Analyse the concept of process management and evaluate performance of process scheduling algorithms			
2	1	2.5	2.5.3	3	3	Understand and apply the concepts of synchronization and deadlocks.			
2	1	1.2	1.2.1	3	4	Evaluate performance of memory allocation and replacement policies			
2	1	2.6	2.6.3	4	5	Understand the concepts of file management.			
1,2	1	2.8	2.8.4	4	6	Apply concepts of I/O management and analyze techniques of disk scheduling			

Course Code:		CSC405	Course Name			MICRO PROCESSOR
РО	PSO	Competency	PI	Bloom's Level	(C) Description	
4	1	4.5	4.5.1	3	1	Apply basic engineering fundamentals to describe the architecture of 8086 processor.
2	1	2.8	2.8.2	3,4	2	Apply the instructions of 8086 to implement the assembly language program Analyse and interpret the result of ALP using integrated tool.
3	1	3.8	3.8.1	2	3	Able to refine architecture design into detailed design using processor, memory chip or different peripheral ICs within existing constraints
7	1	7.3	7.3.2	3	4	Explore and synthesize 80386 system requirements from larger social and professional concerns
3	1	3.7	3.7.1	3	5	Able to perform systematic evaluation of degree of microprocessor from 8086 to Pentium to which several design concepts meet the criteria.
1	1	1.7	1.7.1	2	Apply basic angineering fundamentals to describe the hyperthread	
Course Code:		CSL401	Course Name			Analysis of Algorithms LAB
РО	PSO	Competency	PI	Bloom's Level	C() Description	
1,2	1	1.7,2.8	1.7,2.8	3	1	Analyze the complexities of various problems in different domains.
1	1	1.2	1.2.2	2, 3,4	2	Describe, apply and analyze the running time of the basic algorithms for those classic problems in various domains using divide and conquer strategy.
1	1	1.2	1.2.2	2,3	3	Define and apply the efficient algorithms for the effective problem solving with the help of different strategies like greedy method.
2	1	2.7	2.7.1	3	4	Apply dynamic programming strategy to solve different problems effectively.
2	1	2.4	2.4.3	3	5	Recognize and apply backtracking, branch and bound and to deal with some hard problems.
2	1	2.6	2.6.2	3	6	Apply and analyze the string matching algorithms to find the pattern.
Course Code:		CSL402	Course Name	DATABASE MANAGEMENT SYSTEM LA		DATABASE MANAGEMENT SYSTEM LAB
РО	PSO	Competency	Ы	Bloom's Level	со	Description
4	1	4.5	4.5.1	1	1	Identify and investigate the real life problem to find appropriate solution and design and draw ER and EER diagram with software tool
4	1	4.4	2.3.1	5	2	Design, Create and update database and tables with different DDL and DML statements
1	2	1.6	1.6.1	3	3	Apply appropriate integrity constraints and provide security to data.
2	1	2.8	2.8.1	5	4	Investigate and formulate SQL queries to find appropriate solution to complex problems.
6	1	6.3	6.3.1	3	5	Identify and apply triggers and procedures for specific module to meet the specified needs with appropriate solution to safety standards and societal
1	2	1.7	1.7.1	3	6	Use PL / SQL Constructs.
Course Code:		CSL403	Course Name			OPERATING SYSTEM LAB
РО	PSO	Competency	PI	Bloom's Level	со	Description
1	1	1.2	1.2.1	2	1	Demonstrate basic operating system commands, shell scripts, system calls and API wrt Linux.
1	1	1.1	1.1.1	5	2	Determine various process scheduling algorithms.
2	1	2.5	2.5.3	4	3	Analyze the concept of synchronization and deadlocks.
1	1	1.2	1.2.1	5	4	Determine various memory management techniquees and evaluate their performance.
2	1	2.6	2.6.3	4	5	Identify the concept of virtual memory.
	1		1		1	Demonstrate and analyze concept of file management and I/O management

Course Code:	CSL404		Course Name			MICRO PROCESSING LAB
РО	PSO	Competency	PI	Bloom's Level	со	Description
1	-	1.7	1.7.1	3	1	Explain basic engineering fundamentals to describe the architecture of 8086 processor.
2	-	2.8	2.8.2	3	2	Explain the instructions of 8086 to implement the assembly language program. Identify and interpret the result of ALP using integrated tool.
4	-	4.4	4.4.3	3	3	Design 8086 based system using Memory and peripheral chip.
2	-	2.8	2.8.3	4	4	Appraise the architecture of 80386 DX processor.
4	-	4.6	4.6.2	3	5	Determine the degree of microprocessor from 8086 to Pentium to which several design concepts meet the criteria.
1	-	1.7	1.7.1	2 6 E		Explain the hyper threading technology in higher processors
Course Code:			Course Name			PYTHON PROGRAMING LAB
РО	PSO	Competency	PI	Bloom's Level	со	Description
1	1	1.6	1.6.1	2	1	Understand basic concepts in python
3	1,2	3.6	3.6.2	3	2	Exploring contents of files, directories and text processing with python
4	2	4.5	4.5.1	6	3	Develop program for data structure using built in functions in python.
5	1	5.4	5.4.2	3	4	To explore django web framework for developing python-based web application.
3	1	3.6	3.6.1	3	5	Able to explore design alternatives
1	2	1.6	1.6.1	2	6	Understand the concept of numpy and pandas
Course Code:		CSM401	Course Name			MINI PROJECT 1 B
РО	PSO	Competency	PI	Bloom's Level	со	Description
9	2	9.4	9.4.2	1,5	1	Understand problems and use knowledge and skills to interpret societal/research problems in a group
9	1	9.5	9.5.1	6	2	Build interpersonal skills to work as member of a group or leader
7	1	7.3	7.3.2	2	3	Design the proper inference through theoretical/experimental/simulation and illustrate the impact of solution in social, environmental context for sustainable
1	2	1.6	1.6.1	3	4	Apply standard norms of engineering practices
10	1	10.4	10.4.2	6	5	Develop in written and oral communication
9	2	9.6	9.6.1	3,6	6	Apply project management principles and capabilities of self-learning in a group for a lifelong learning

			SEM	: V (R19)		
Course Code:		CSC501	Course Name			COMPUTER NETWORK
PO	PSO	Competency	PI	Bloom's Level	со	Description
1	1	1.2	1.2.1	3	1	Apply the knowledge of fundamentals of data communication to identify the differences between OSI and TCP/IP models and connection less & connection-oriented services.
1	1	1.5	1.5.1	3	2	Apply the knowledge of data communication & analyze different types of media.
2	1	2.1	2.6.2	3	3	Apply the knowledge of different protocol used at Data link layer and identify and analyze differences in protocols
2	1	2.6	2.6.2, 2.6.3	3	4	Select and apply concepts of subnetting and supernetting classify & compare transport layer protocols at network layer & Identify the protocols used at the application layer.
2	1	2.6	2.6.2, 2.6.3	4	5	Create & analyze the enter prize Network design model.
2	1	2.8	2.8.1,2.8.4	4	6	Create and analyze the software defined networks.
Course Code:		CSC502	Course Name	I		WEB COMPUTING
РО	PSO	Competency	PI	Bloom's Level	со	Description
1	1	1.6	1.6.1	1	CO1	Describe and Recall various fundamentals of Web Programming
5	2	5.4	5.4.1	3	CO2	Apply various concepts of Java Script for interactive web pages.
2	1	2.1	2.5.2	6	CO3	Understand the basics of REACT with installation.
1	2	1.7	1.7.1	6,1	CO5	Develop node js fundamentals.
3	2	3.5	3.5.1	6,1	CO4	Create node.js applications along with an express framework.
1	1	1.7	1.7.1	6	CO6	Formulation of Advance concepts of REACT.
Course Code:		CSC503	Course Name	1		ARTIFICIAL INTELLIGENCE
РО	PSO	Competency	PI	Bloom's Level	со	Description
2	1	2.5	2.5.2	2	1	Identify the characteristics of the environment and differentiat between various agent architectures.
4	1	4.5	4.5.1	3	2	Apply the most suitable search strategy to design problem solvin agents.
2	1	2.7	2.7.2	3	3	Represent a natural language description of statements in logic an apply the inference rules to design Knowledge Based agents
2	1	2.7	2.7.1	3	4	Apply a probabilistic model for reasoning under uncertainty.
5	1	5.4	5.4.1, 5.5.2	4	5	Comprehend various learning techniques.
3	2	3.7	3.7.1	5	6	Describe the various building blocks of an expert system for a given real word problem.

Course Code:		CSC504	Course Name			DATA WAREHOUSING &MINING
РО	PSO	Competency	PI	Bloom's Level	со	Description
4	2	4.4	4.4.2	2	1	Organize strategic data in an enterprise and build a data Warehouse.
4	2	4.6	4.6.1	4	2	Analyze data using OLAP operations so as to take strategic decisions and Demonstrate an understanding of the importance of data mining.
3	2	3.8	3.8.2	2	3	Organize and Prepare the data needed for data mining using pre preprocessing techniques
4	2	4.6	4.6.1	3	4	Implement the appropriate data mining methods like classification, clustering or Frequent Pattern mining on large data sets.
4	2	4.4	4.4.2	1,3	5	Define and apply metrics to measure the performance of various data mining algorithms
4	2	4.4	4.4.2	2	6	Understand Concepts related to Web mining
Course		CSDLO5011	Course		STATIS	TICS FOR ARTIFICIAL INTELLIGENCE & DATA SCIENCE
Code: PO	PSO	Competency	Name PI	Bloom's Level	со	Description
1	1	1.2	1.2.1	1	1	Apply the basics exploratory analysis on the datasets
1	2	1.5	1.5.1	3	2	Apply the various distribution and sampling
2	2	2.1	2.5.1	3	3	Apply Hypothesis Testing on datasets
1	2	1.7	1.7.1	4	4	Apply different techniques for Summarizing Data
1	2	1.7	1.7.1	3	5	Apply the Analysis of Variance to solve the problem
2	1	2.8	2.8.1	3	6	Apply the basics the Linear Least Squares
Course Code:	CS	SDL05013	Course Name			INTERNET OF THINGS
РО	PSO	Competency	Ы	Bloom's Level	со	Description
2	2	2.6	2.6.4	2,3	1	Describe the Characteristics and Conceptual Framework of IoT.
2	1	2.6,	2.6.4,2.6.5	2,4	2	Differentiate between the levels of the IoT architectures
2,3	2	2.8, 4.6	2.8.2,4.6.2	4	3	Analyze the IoT access technologies
6	1	6.3	6.3.1	2,4	4	Illustrate various edge to cloud protocol for IoT
2	2	2.7	2.7.1	3	5	Apply IoT analytics and data visualization
2	2	2.8	2.8.2	4	6	Analyze and evaluate IoT applications
Course Code:		CSL504	Course Name		BUSIN	ESS COMMUNICATIONAND ETHICS-II
РО	PSO	Competency	PI	Bloom's Level	со	Description
3	-	3.5	3.5.1, 3.5.2	6	1	Design a technical document using precise language, suitable vocabulary and apt style
3	-	3.5	5.4.1	6	2	Develop writing skills of a cover letter and a CV/resume/SOP

4	_	4.5	4.5.1	6	3	Develop interpersonal skills to progress professionally by building strong
4	_	4.5	4.5.1	6	4	relationships with peers Develop effective presentation skills and an impressive body language
4	-	1.5	1.5.1	3	5	Apply codes of personal integrity, values, aptitudes and skills
1	_	1.5	1.5.1	2	6	Demonstrate awareness of contemporary issues, knowledge of professional and
Course	-	CSL501	Course			ethical responsibilities WEB COMPUTING AND NETWORK LAB
Code:			Name	Bloom's		
РО	PSO	Competency	PI	Level	со	Description
2	1	2.5	2.5.1	6	1	Identify and apply the appropriate HTML tags to develop a web page
2	1	2.5	2.5.1	6	2	Identify and apply the appropriate CSS tags to format data on web page
3	1	3.6	3.6.1	6	3	Design responsive websites using Bootstrap
3	1	3.6	3.6.2	6	4	Design web page using JavaScript to develop interactive web pages
4	2	4.6	4.6.1	6	5	Construct front end applications using React and back end using Node.js/express
2	2	2.8	2.8.2	4	6	Analyze the packet using simulator for CISCO packet tracer/GNS3
Course Code:		CSL502	Course Name			ARTIFICIAL INTELLIGENCE LAB
PO	PSO	Competency	PI	Bloom's	со	Description
		4.5	4.5.1	Level		Identify suitable Agent Architecture for a given real world AI problem
4	1			3	1	
5	1	5.4	5.4.1	3	2	Implement simple programs using Prolog.
5	1	5.4	5.4.2	3	3	Implement various search techniques for a Problem-Solving Agent.
2	1	2.7	2.7.2	3	4	Represent natural language description as statements in Logic and apply inference rules to it.
4	2	4.5	4.5.1	6	5	Construct a Bayesian Belief Network for a given problem and draw probabilistic inferences from it
2	1	2.7	2.7.2	4	6	Analyze and understand any successful AI system.
Course		CSL503	Course		•	DATA WAREHOUSING & MINING LAB
Code: PO	PSO	Competenc	Name PI	Bloom's	со	Description
5	1	y 5.5	5.5.1	Level 6	1	Build a Data Warehouse and construct Star Schema and Snow Flake Schema
2	1	2.8	2.8.2	4	2	Analyze data using OLAP operations.
		2.0				
12	1	12.5	12.5.2	2	3	Demonstrate and understand the importance Data mining.
2	2	2.8	2.8.2	6	4	Prepare the data needed for data mining using pre-processing techniques
2	1	2.8	2.8.2	4	5	Analyze data and algorithms for mining.
5			1	3	6	Implement classification, clustering and association mining algorithms on large
- -	2	2.5	2.5.2	3		datasets
Course	2	2.5 CSM501	Course			datasets MINI PROJECT: 2 A
	2 PSO	CSM501		Bloom's	со	MINI PROJECT: 2 A
Course Code:		CSM501	Course Name			MINI PROJECT: 2 A Description Identify societal/research/innovation/entrepreneurship problems through
Course Code: PO	PSO	CSM501 Competency	Course Name PI	Bloom's Level	со	MINI PROJECT: 2 A Description Identify societal/research/innovation/entrepreneurship problems through appropriate literature surveys Identify Methodology for solving above problem and apply engineering
Course Code: PO 2	PSO 2	CSM501 Competency 2.1	Course Name PI 2.5.1	Bloom's Level 4	CO	MINI PROJECT: 2 A Description Identify societal/research/innovation/entrepreneurship problems through appropriate literature surveys

9	2	9.5	9.5.1	2	5	Demonstrate capabilities of self-learning, leading to lifelong learning
9	2	9.6	9.6.1	2	6	Develop interpersonal skills to work as a member of a group or as leader