



**B.E., Computer Science Engineering**

S.No	Courses	Course Outcomes	Blooms Taxonomy Level
	<b>HS3152: Professional English - I</b>	<b>CO1:</b> To use appropriate words in a professional context	K3
		<b>CO2:</b> To gain understanding of basic grammatic structures and use them in right context.	K2
		<b>CO3:</b> To read and infer the denotative and connotative meanings of technical texts	K1
		<b>CO4:</b> To write definitions, descriptions, narrations and essays on various topics	K6
	<b>MA3151: Matrices and Calculus</b>	<b>CO1:</b> Use the matrix algebra methods for solving practical problems.	K3
		<b>CO2:</b> Apply differential calculus tools in solving various application problems.	K3
		<b>CO3:</b> Able to use differential calculus ideas on several variable functions.	K3
		<b>CO4:</b> Apply different methods of integration in solving practical problems.	K3
		<b>CO5:</b> Apply multiple integral ideas in solving areas, volumes and other practical problems.	K3
	<b>PH3151: Engineering Physics</b>	<b>CO1:</b> Understand the importance of mechanics.	K2
		<b>CO2:</b> Express their knowledge in electromagnetic waves.	K1
		<b>CO3:</b> Demonstrate a strong foundational knowledge in oscillations, optics and lasers.	K3
		<b>CO4:</b> Understand the importance of quantum physics.	K2
		<b>CO5:</b> Comprehend and apply quantum mechanical principles towards the formation of energy bands.	K3
<b>S E M I</b>	<b>CY3151: Engineering Chemistry</b>	<b>CO1:</b> To infer the quality of water from quality parameter data and propose suitable treatment methodologies to treat water.	K2
		<b>CO2:</b> To identify and apply basic concepts of nanoscience and nanotechnology in designing the synthesis of nanomaterials for engineering and technology applications.	K1
		<b>CO3:</b> To apply the knowledge of phase rule and composites for material selection requirements.	K3
		<b>CO4:</b> To recommend suitable fuels for engineering processes and applications.	K5
		<b>CO5:</b> To recognize different forms of energy resources and apply them for suitable applications in energy sectors.	K1



	<b>GE3151: Problem Solving and Python Programming</b>	<b>CO1:</b> Develop algorithmic solutions to simple computational problems.	K6
		<b>CO2:</b> Develop and execute simple Python programs.	K6
		<b>CO3:</b> Write simple Python programs using conditionals and loops for solving problems.	K6
		<b>CO4:</b> Decompose a Python program into functions.	K4
		<b>CO5:</b> Represent compound data using Python lists, tuples, dictionaries etc.	K3
		<b>CO6:</b> Read and write data from/to files in Python programs.	K1
<b>SEM I</b>	<b>GE3171: Problem Solving and Python Programming Laboratory</b>	<b>CO1:</b> Develop algorithmic solutions to simple computational problems	K6
		<b>CO2:</b> Develop and execute simple Python programs.	K6
		<b>CO3:</b> Implement programs in Python using conditionals and loops for solving problems.	K3
		<b>CO4:</b> Deploy functions to decompose a Python program.	K6
		<b>CO5:</b> Process compound data using Python data structures.	K3
		<b>CO6:</b> Utilize Python packages in developing software applications.	K3
	<b>BS3171: Physics and Chemistry Laboratory</b>	<b>CO1:</b> Understand the functioning of various physics laboratory equipment.	K2
		<b>CO2:</b> Use graphical models to analyze laboratory data.	K3
		<b>CO3:</b> Use mathematical models as a medium for quantitative reasoning and describing physical reality.	K3
		<b>CO4:</b> Access, process and analyze scientific information.	K3
	<b>GE3172: English Laboratory</b>	<b>CO1:</b> To listen to and comprehend general as well as complex academic information	K3
		<b>CO2:</b> To listen to and understand different points of view in a discussion	K2
		<b>CO3:</b> To speak fluently and accurately in formal and informal communicative contexts	K6
		<b>CO4:</b> To describe products and processes and explain their uses and purposes clearly and accurately	K1
		<b>CO5:</b> To express their opinions effectively in both formal and informal discussions	K1
<b>SEM II</b>		<b>CO1:</b> To compare and contrast products and ideas in technical texts.	K2
		<b>CO2:</b> To identify and report cause and effects in events, industrial processes through technical texts	K1



SE M II	<b>HS3252 : Professional English - II</b>	<b>CO3:</b> To analyse problems in order to arrive at feasible solutions and communicate them in the written format.	K4
		<b>CO4:</b> To present their ideas and opinions in a planned and logical manner	K3
		<b>CO5:</b> To draft effective resumes in the context of job search.	K6
	<b>MA3251 : Statistics and Numerical Methods</b>	<b>CO1:</b> Apply the concept of testing of hypothesis for small and large samples in real life problems.	K3
		<b>CO2:</b> Apply the basic concepts of classifications of design of experiments in the field of agriculture.	K3
		<b>CO3:</b> Appreciate the numerical techniques of interpolation in various intervals and apply the numerical techniques of differentiation and integration for engineering problems.	K5
		<b>CO4:</b> Understand the knowledge of various techniques and methods for solving first and second order ordinary differential equations.	K2
		<b>CO5:</b> Solve the partial and ordinary differential equations with initial and boundary conditions by using certain techniques with engineering applications.	K3
	<b>PH3256 : Physics for Information Science</b>	<b>CO1:</b> Gain knowledge on classical and quantum electron theories, and energy band structures.	K2
		<b>CO2:</b> Acquire knowledge on basics of semiconductor physics and its applications in various devices	K1
		<b>CO3:</b> Get knowledge on magnetic properties of materials and their applications in data storage,	K1
		<b>CO4:</b> Have the necessary understanding on the functioning of optical materials for optoelectronics	K2
		<b>CO5:</b> Understand the basics of quantum structures and their applications and basics of quantum computing	K2
	<b>BE3251: Basic Electrical and Electronics Engineering</b>	<b>CO1:</b> Compute the electric circuit parameters for simple problems	K2
		<b>CO2:</b> Explain the working principle and applications of electrical machines	K1
		<b>CO3:</b> Analyze the characteristics of analog electronic devices	K4
		<b>CO4:</b> Explain the basic concepts of digital electronics	K1
		<b>CO5:</b> Explain the operating principles of measuring instruments	K1
	<b>GE3251: Engineering Graphics</b>	<b>CO1:</b> Use BIS conventions and specifications for engineering drawing.	K3
		<b>CO2:</b> Construct the conic curves, involutes and cycloid.	K6
		<b>CO3:</b> Solve practical problems involving projection of lines.	K3



		<b>CO4:</b> Draw the orthographic, isometric and perspective projections of simple solids.	K6
		<b>CO5:</b> Draw the development of simple solids.	K6
	<b>CS3251: Programming in C</b>	<b>CO1:</b> Demonstrate knowledge on C Programming constructs	K3
		<b>CO2:</b> Develop simple applications in C using basic constructs	K6
		<b>CO3:</b> Design and implement applications using arrays and strings	K6
		<b>CO4:</b> Develop and implement modular applications in C using functions.	K6
		<b>CO5:</b> Develop applications in C using structures and pointers.	K6
		<b>CO6:</b> Design applications using sequential and random access file processing.	K6
	<b>GE3271 : Engineering Practices Laboratory</b>	<b>CO1:</b> Draw pipe line plan; lay and connect various pipe fittings used in common household plumbing work; Saw; plan; make joints in wood materials used in common household wood work.	K6
		<b>CO2:</b> Wire various electrical joints in common household electrical wire work.	K6
		<b>CO3:</b> Weld various joints in steel plates using arc welding work; Machine various simple processes	K6
		<b>CO4:</b> Solder and test simple electronic circuits; Assemble and test simple electronic components on PCB..	K6
	<b>CS3271 : Programming in C Laboratory</b>	<b>CO1:</b> Demonstrate knowledge on C programming constructs.	K3
		<b>CO2:</b> Develop programs in C using basic constructs.	K6
		<b>CO3:</b> Develop programs in C using arrays.	K6
		<b>CO4:</b> Develop applications in C using strings, pointers, functions.	K6
		<b>CO5:</b> Develop applications in C using structures.	K6
		<b>CO6:</b> Develop applications in C using file processing.	K6
	<b>GE3272 : Communication Laboratory / Foreign Language</b>	<b>CO1:</b> Have knowledge of the concepts needed to test the logic of a program.	K1
		<b>CO2:</b> Have an understanding in identifying structures on many levels.	K2
		<b>CO3:</b> 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.	K2



		<b>CO4:</b> Be exposed to concepts and properties of algebraic structures such as groups, rings and fields.	K2
<b>S E M III</b>	<b>MA3354 : Discrete Mathematics</b>	<b>CO1:</b> Have knowledge of the concepts needed to test the logic of a program.	K1
		<b>CO2:</b> Have an understanding in identifying structures on many levels.	K2
		<b>CO3:</b> 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.	K2
		<b>CO4:</b> Be aware of the counting principles.	K2
		<b>CO5:</b> Be exposed to concepts and properties of algebraic structures such as groups, rings and fields.	K2
	<b>CS3351: Digital Principles And Computer Organization</b>	<b>CO1:</b> Design various combinational digital circuits using logic gates	K6
		<b>CO2:</b> Design sequential circuits and analyze the design procedures	K6
		<b>CO3:</b> State the fundamentals of computer systems and analyze the execution of an instruction	K1
		<b>CO4:</b> Analyze different types of control design and identify hazards	K4
		<b>CO5:</b> Identify the characteristics of various memory systems and I/O communication	K1
	<b>CS3352 Foundations of Data Science</b>	<b>CO1:</b> Define the data science process	K1
		<b>CO2:</b> Understand different types of data description for data science process	K2
		<b>CO3:</b> Gain knowledge on relationships between data	K2
		<b>CO4:</b> Use the Python Libraries for Data Wrangling	K3
		<b>CO5:</b> Apply visualization Libraries in Python to interpret and explore data	K3
	<b>CS3301 Data Structures</b>	<b>CO1:</b> Define linear and non-linear data structures.	K1
		<b>CO2:</b> Implement linear and non-linear data structure operations.	K3
		<b>CO3:</b> Use appropriate linear/non-linear data structure operations for solving a given problem.	K3
		<b>CO4:</b> Apply appropriate graph algorithms for graph applications.	K3
		<b>CO5:</b> Analyze the various searching and sorting algorithms.	K4
	<b>CS3391 Object</b>	<b>CO1:</b> Apply the concepts of classes and objects to solve simple problems	K3
		<b>CO2:</b> Develop programs using inheritance, packages and interfaces	K6





	<b>Oriented Programming</b>	<b>CO3:</b> Make use of exception handling mechanisms and multithreaded model to solve real world problems	K3
		<b>CO4:</b> Build Java applications with I/O packages, string classes, Collections and generics concepts	K5
		<b>CO5:</b> Integrate the concepts of event handling and JavaFX components and controls for developing GUI based applications	K5
	<b>CS3311 Data Structures Laboratory</b>	<b>CO1:</b> Implement Linear data structure algorithms.	K3
		<b>CO2:</b> Implement applications using Stacks and Linked lists	K3
		<b>CO3:</b> Implement Binary Search tree and AVL tree operations.	K3
		<b>CO4:</b> Implement graph algorithms.	K3
		<b>CO5:</b> Analyze the various searching and sorting algorithms.	K4
	<b>CS3381 Object Oriented Programming Laboratory</b>	<b>CO1:</b> Design and develop java programs using object oriented programming concepts	K6
		<b>CO2:</b> Develop simple applications using object oriented concepts such as package, exceptions	K6
		<b>CO3:</b> Implement multithreading, and generics concepts	K3
		<b>CO4:</b> Create GUIs and event driven programming applications for real world problems	K6
		<b>CO5:</b> Implement and deploy web applications using Java	K3
	<b>CS3361 Data Science Laboratory</b>	<b>CO1:</b> Make use of the python libraries for data science	K3
		<b>CO2:</b> Make use of the basic Statistical and Probability measures for data science.	K3
		<b>CO3:</b> Perform descriptive analytics on the benchmark data sets.	K3
		<b>CO4:</b> Perform correlation and regression analytics on standard data sets	K3
		<b>CO5:</b> Present and interpret data using visualization packages in Python.	K3
	<b>GE3361 Professional Development</b>	<b>CO1:</b> Use MS Word to create quality documents, by structuring and organizing content for their day to day technical and academic requirements	K3
		<b>CO2:</b> Use MS EXCEL to perform data operations and analytics, record, retrieve data as per requirements and visualize data for ease of understanding	K3
		<b>CO3:</b> Use MS PowerPoint to create high quality academic presentations by including common tables, charts, graphs, interlinking other elements, and using media objects.	K3



<b>S E M I V</b>	<b>CS3452 : Theory of Computation</b>	<b>CO1:</b> Construct automata theory using Finite Automata	K6
		<b>CO2:</b> Write regular expressions for any pattern	K6
		<b>CO3:</b> Design context free grammar and Pushdown Automata	K6
		<b>CO4:</b> Design Turing machine for computational functions	K6
		<b>CO5:</b> Differentiate between decidable and undecidable problems	K4
	<b>CS3491: Artificial Intelligence and Machine Learning</b>	<b>CO1:</b> Use appropriate search algorithms for problem solving	K3
		<b>CO2:</b> Apply reasoning under uncertainty	K3
		<b>CO3:</b> Build supervised learning models	K6
		<b>CO4:</b> Build ensembling and unsupervised models	K6
		<b>CO5:</b> Build deep learning neural network models	K6
	<b>CS3492 : Database Management Systems</b>	<b>CO1:</b> Construct SQL Queries using relational algebra	K6
		<b>CO2:</b> Design database using ER model and normalize the database	K6
		<b>CO3:</b> Construct queries to handle transaction processing and maintain consistency of the database	K6
		<b>CO4:</b> Compare and contrast various indexing strategies and apply the knowledge to tune the performance of the database	K2
		<b>CO5:</b> Appraise how advanced databases differ from Relational Databases and find a suitable database for the given requirement.	K5
<b>S E M I V</b>	<b>CS3401: Algorithms</b>	<b>CO1:</b> Analyze the efficiency of algorithms using various frameworks	K4
		<b>CO2:</b> Apply graph algorithms to solve problems and analyze their efficiency.	K3
		<b>CO3:</b> Make use of algorithm design techniques like divide and conquer, dynamic programming and greedy techniques to solve problems	K3
		<b>CO4:</b> Use the state space tree method for solving problems.	K3
		<b>CO5:</b> Solve problems using approximation algorithms and randomized algorithms	K3
	<b>CS3451 : Introduction to Operating System</b>	<b>CO1:</b> Analyze various scheduling algorithms and process synchronization.	K4
		<b>CO2:</b> Explain deadlock prevention and avoidance algorithms.	K1
		<b>CO3:</b> Compare and contrast various memory management schemes.	K2
		<b>CO4:</b> Explain the functionality of file systems, I/O systems, and Virtualization	K1
		<b>CO5:</b> Compare iOS and Android Operating Systems.	K2



	<b>GE3451: Environmental Sciences and Sustainability</b>	CO1:To recognize and understand the functions of environment, ecosystems and biodiversity and their conservation.	K2
		CO2:To identify the causes, effects of environmental pollution and natural disasters and contribute to the preventive measures in the society.	K1
		CO3:To identify and apply the understanding of renewable and non-renewable resources and contribute to the sustainable measures to preserve them for future generations.	K1
		CO4:To recognize the different goals of sustainable development and apply them for suitable technological advancement and societal development.	K1
		CO5:To demonstrate the knowledge of sustainability practices and identify green materials, energy cycles and the role of sustainable urbanization.	K3
	<b>CS3461: Operating Systems Laboratory</b>	<b>CO1:</b> Define and implement UNIX Commands.	K1
		<b>CO2:</b> Compare the performance of various CPU Scheduling Algorithms.	K2
		<b>CO3:</b> Compare and contrast various Memory Allocation Methods.	K2
		<b>CO4:</b> Define File Organization and File Allocation Strategies.	K1
		<b>CO5:</b> Implement various Disk Scheduling Algorithms.	K3
	<b>CS3481: Database Management Systems Laboratory</b>	<b>CO1:</b> Create databases with different types of key constraints.	K6
		<b>CO2:</b> Construct simple and complex SQL queries using DML and DCL commands.	K6
		<b>CO3:</b> Use advanced features such as stored procedures and triggers and incorporate in GUI based application development.	K3
		<b>CO4:</b> Create an XML database and validate with meta-data (XML schema).	K6
		<b>CO5:</b> Create and manipulate data using NOSQL database.	K6
<b>S E M V</b>	<b>CS3591: Computer Networks</b>	<b>CO1:</b> Explain the basic layers and its functions in computer networks.	K1
		<b>CO2:</b> Understand the basics of how data flows from one node to another.	K2
		<b>CO3:</b> Analyze routing algorithms.	K4
		<b>CO4:</b> Describe protocols for various functions in the network.	K1
		<b>CO5:</b> Analyze the working of various application layer protocols.	K4
		<b>CO1:</b> Understand the techniques in different phases of a compiler.	K2





	<b>CS3501: COMPILER DESIGN</b>	<b>CO2:</b> Design a lexical analyser for a sample language and learn to use the LEX tool.	K6
		<b>CO3:</b> Apply different parsing algorithms to develop a parser and learn to use YACC tool	K3
		<b>CO4:</b> Understand semantics rules (SDT), intermediate code generation and run-time environment.	K2
		<b>CO5:</b> Implement code generation and apply code optimization techniques.	K3
	<b>CB3491: CRYPTOGRAPHY AND CYBER SECURITY</b>	<b>CO1:</b> Understand the fundamentals of networks security, security architecture, threats and vulnerabilities	K2
		<b>CO2:</b> Apply the different cryptographic operations of symmetric cryptographic algorithms	K3
		<b>CO3:</b> Apply the different cryptographic operations of public key cryptography	K3
		<b>CO4:</b> Apply the various Authentication schemes to simulate different applications.	K3
		<b>CO5:</b> Understand various cyber crimes and cyber security.	K2
	<b>CS3551: Distributed computing</b>	<b>CO1:</b> Explain the foundations of distributed systems (K2)	K1
		<b>CO2:</b> Solve synchronization and state consistency problems (K3)	K3
		<b>CO3:</b> Use resource sharing techniques in distributed systems (K3)	K3
		<b>CO4:</b> Apply working model of consensus and reliability of distributed systems (K3)	K3
		<b>CO5:</b> Explain the fundamentals of cloud computing (K2)	K1
	<b>CCS375: WEB TECHNOLOGIES</b>	<b>CO1:</b> Construct a basic website using HTML and Cascading Style Sheets	K6
		<b>CO2:</b> Build dynamic web page with validation using Java Script objects and by applying different event handling mechanisms.	K6
		<b>CO3:</b> Develop server side programs using Servlets and JSP.	K6
		<b>CO4:</b> Construct simple web pages in PHP and to represent data in XML format.	K6
		<b>CO5:</b> Develop interactive web applications.	K6
	<b>CCS334: BIG DATA ANALYTICS</b>	<b>CO1:</b> Describe big data and use cases from selected business domains.	K1
		<b>CO2:</b> Explain NoSQL big data management.	K1
		<b>CO3:</b> Install, configure, and run Hadoop and HDFS.	K4
		<b>CO4:</b> Perform map-reduce analytics using Hadoop.	K4
		<b>CO5:</b> Use Hadoop-related tools such as HBase, Cassandra, Pig, and Hive for big data analytics.	K3



<b>S E M VI</b>	<b>CCS341: DATA WAREHOUSING</b>	<b>CO1:</b> Design data warehouse architecture for various Problems	K6
		<b>CO2:</b> Apply the OLAP Technology	K3
		<b>CO3:</b> Analyse the partitioning strategy	K4
		<b>CO4:</b> Critically analyze the differentiation of various schema for given problem	K4
		<b>CO5:</b> Frame roles of process manager & system manager	K6
	<b>CS3691: EMBEDDED SYSTEM AND IOT</b>	<b>CO1:</b> Explain the architecture of embedded processors.	K1
		<b>CO2:</b> Write embedded C programs.	K6
		<b>CO3:</b> Design simple embedded applications.	K6
		<b>CO4:</b> Compare the communication models in IOT	K2
		<b>CO5:</b> Design IoT applications using Arduino/Raspberry Pi /open platform.	K6
	<b>CCS356: OBJECT ORIENTED SOFTWARE ENGINEERING</b>	<b>CO1:</b> Compare various Software Development Lifecycle Models	K2
		<b>CO2:</b> Evaluate project management approaches as well as cost and schedule estimation strategies	K5
		<b>CO3:</b> Perform formal analysis on specifications.	K4
		<b>CO4:</b> Use UML diagrams for analysis and design.	K3
		<b>CO5:</b> Architect and design using architectural styles and design patterns, and test the system	K6
	<b>CCS343: DIGITAL AND MOBILE FORENSICS</b>	<b>CO1:</b> Have knowledge on digital forensics.	K1
		<b>CO2:</b> Know about digital crime and investigations.	K1
		<b>CO3:</b> Be forensic ready.	K4
		<b>CO4:</b> Investigate, identify and extract digital evidence from iOS devices.	K1
		<b>CO5:</b> Investigate, identify and extract digital evidence from Android devices.	K1
	<b>CCW332: DIGITAL MARKETING</b>	<b>CO1:</b> To examine and explore the role and importance of digital marketing in today's rapidly changing business environment.	K4
		<b>CO2:</b> To focuses on how digital marketing can be utilized by organizations and how its effectiveness can be measured.	K3
		<b>CO3:</b> To know the key elements of a digital marketing strategy.	K1
		<b>CO4:</b> To study how the effectiveness of a digital marketing campaign can be measured	K1
		<b>CO5:</b> To demonstrate advanced practical skills in common digital marketing tools such as SEO, SEM, Social media and Blogs.	K3
	<b>OEE351: RENEWABLE ENERGY SYSTEM</b>	<b>CO1:</b> Attained knowledge about various renewable energy technologies	K1
		<b>CO2:</b> Ability to understand and design a PV system.	K2
		<b>CO3:</b> Understand the concept of various wind energy system.	K2
		<b>CO4:</b> Gained knowledge about various possible hybrid energy systems	K2



		<b>CO5:</b> Attained knowledge about various application of renewable energy technologies	K1
<b>VII SEM</b>	<b>GE3791: HUMAN VALUES AND ETHICS</b>	<b>CO1:</b> Identify the importance of democratic, secular and scientific values in harmonious functioning of social life	K1
		<b>CO2:</b> Practice democratic and scientific values in both their personal and professional life.	K4
		<b>CO3:</b> Find rational solutions to social problems.	K1
		<b>CO4:</b> Behave in an ethical manner in society	K2
		<b>CO5:</b> Practice critical thinking and the pursuit of truth.	K3
	<b>AI3021: IT IN AGRICULTURAL SYSTEM</b>	<b>CO1:</b> The students shall be able to understand the applications of IT in remote sensing applications such as Drones etc.	K3
		<b>CO2:</b> The students will be able to get a clear understanding of how a greenhouse can be automated and its advantages.	K3
		<b>CO3:</b> The students will be able to apply IT principles and concepts for management of field operations.	K3
		<b>CO4:</b> The students will get an understanding about weather models, their inputs and applications.	K2
		<b>CO5:</b> The students will get an understanding of how IT can be used for e-governance in agriculture.	K2
	<b>GE3751: PRINCIPLE OF MANAGEMENT</b>	<b>CO1:</b> Upon completion of the course, students will be able to have clear understanding of managerial functions like planning, organizing, staffing, leading & controlling.	K1
		<b>CO2:</b> Extract the functions and principles of management.	K4
		<b>CO3:</b> Learn the application of the principles in an organization.	K1
		<b>CO4:</b> Study the various HR related activities.	K1
		<b>CO5:</b> Analyze the position of self and company goals towards business.	K4
	<b>MF3003: REVERSE ENGINEERING</b>	<b>CO1:</b> Apply the fundamental concepts and principles of reverse engineering in product design and development.	K3
		<b>CO2:</b> Apply the concept and principles material characteristics, part durability and life limitation in reverse engineering of product design and development.	K3
		<b>CO3:</b> Apply the concept and principles of material identification and process verification in reverse engineering of product design and development.	K3
		<b>CO4:</b> Apply the concept and principles of data processing, part performance and system compatibility in reverse engineering of product design and development.	K3
		<b>CO5:</b> Analyze the various legal aspect	K4



**A.R.J COLLEGE OF ENGINEERING AND TECHNOLOGY,**  
**Edayaranatham - Mannargudi**  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai-25  
(An ISO 9001:2015 Certified Institution)



		<b>CO6:</b> Applications of reverse engineering in product design and development.	K3
<b>VIII SEM</b>	<b>CS3811: Project Work/Internship</b>	<b>CO1:</b> Gain Domain knowledge and technical skill set required for solving industry / research problems	K2
		<b>CO2:</b> Provide solution architecture, module level designs, algorithms	K6
		<b>CO3:</b> Implement, test and deploy the solution for the target platform	K3
		<b>CO4:</b> Prepare detailed technical report, demonstrate and present the work	K6