R.M.K. ENGINEERING COLLEGE

(An Autonomous Institution)

RSM Nagar, Kavaraipettai – 601 206

Department of Civil Engineering

Course Outcomes - ODD Semester 2025-26

Sl. No.	Semester	Theory / Practical	Course Code / Course Name
1	3	Theory	24MA304- Fourier Analysis and Partial Differential Equations
2	3	Theory	24CE301-Mechanics of Materials (Lab Integrated)
3	3	Theory	24CE302-Engineering Surveying (Lab Integrated)
4	3	Theory	24IT201-Data Structures and Algorithms (Lab Integrated)
5	3	Theory	22CS302- Advanced Java Programming (Lab Integrated)
6		Theory	24GE301-Universal Human Values 2: Understanding Harmony
7	3	EEC	24ME311- Product Development Lab-3
8	3	EEC	24CS311- Aptitude and Coding Skills - I
9	3	EEC	24CE311- Internship / Seminar
10	5	Theory	22CE501-Reinforced Concrete Design (Lab Integrated)
11	5	Theory	22CE502-Structural Analysis (Lab Integrated)
12	5	Theory	22CE503-Foundation Engineering (Lab Integrated)
13	5	Theory	22CE911-Irrigation Engineering (Professional Elective)
14	5	Theory	22CE922-Highway and Pavement Engineering (Professional Elective)
15	5	Theory	22ME006-Testing of Materials (Open Elective)
16	5	EEC	22CS511-Advance Aptitude and Coding Skills - I
17	5	EEC	22CE511-Internship
18	7	Theory	22CE701- Professional Ethics in Engineering
19	7	Theory	22CE701- Estimation, Costing and Valuation Engineering (Lab Integrated)
20	7	Theory	22CE951- Prefabricated Structures (Professional Elective)
21	7	Theory	22CB005- Design Thinking (Open Elective)
22	7	Theory	22ME008-Renewable Energy Resources (Open Elective)
23	7	Practical	22CE711- Building Information Modeling II

Third Semester B.E.

24MA304- Fourier Analysis and Partial Differential Equations

COs	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Obtain the Fourier series of periodic functions.
CO2	Analyze the harmonics using Fourier series.
CO3	Compute the Fourier transform of prescribed functions.
CO4	Solve first order partial differential equations.
CO5	Solve higher order partial differential equations.
CO6	Apply the concept of Fourier series to solve wave and heat equations.

24CE301-Mechanics of Materials (Lab Integrated)

COs	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Analyze and construct shear force and bending moment diagrams for different types of beams and loads.
CO2	Apply theory of bending to determine bending stress and shear stress distribution across various section of determinate beams.
CO3	Analyze determinate beams to calculate slope and deflection under various loads
CO4	Apply theory of torsion to analyze the effect of torsion on shafts and on helical springs.
CO5	Analyze thin and thick cylinder to calculate stresses develop due to internal fluid pressure
CO6	Perform experiments to understand fundamental concepts in mechanics and to evaluate the mechanical properties of materials and to develop professionalism in conducting experiments, analyzing data, reporting results, and working in teams.

24CE302-Engineering Surveying (Lab Integrated)

COs	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Summarize the procedure for measuring distance, horizontal angle and vertical angles.
CO2	Apply the principle of levelling to compute orthometric heights relative to a vertical datum with different instruments.
CO3	Illustrate the methods of setting out curves for engineering projects.
CO4	Identify solutions for adjustments of erroneous measurements of a survey network.
CO5	Determine the position of any object on the earth’s surface using modern surveying instruments.
CO6	Outline the fundamentals of remote sensing and its software applications using GIS.

24IT201-Data Structures and Algorithms (Lab Integrated)

COs	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Analyze and compare functions using asymptotic analysis and understand the concepts of basic data structures such as array and linked list.
CO2	Applying a suitable algorithm for searching and sorting.
CO3	Analyze the various tree algorithms for solving real time computing problems.
CO4	Understanding graph algorithms, operations, and applications
CO5	Understanding the importance of hashing.
CO6	Apply the appropriate data structure to solve real world problems

22CS302- Advanced Java Programming (Lab Integrated)

COs	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Implement various data structures by utilizing core Java features and libraries
CO2	Demonstrate proficiency in handling Java I/O operations, including file manipulation for efficient data storage and retrieval.
CO3	Apply and Analyze the Stream API for functional programming and data processing.
CO4	Implement advanced object serialization for complex data structures.
CO5	Utilize regular expressions for text parsing and string manipulation.
CO6	Build applications using advanced Java programming techniques.

24GE301-Universal Human Values 2: Understanding Harmony

COs	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Develop self-awareness and a deeper understanding of their surroundings, including family, society, and nature.
CO2	Identify and resolve inner conflicts based on natural acceptance.
CO3	Become more responsible towards life, and handle problems with sustainable solutions by considering human relationships and natural harmony.
CO4	Enhance their critical thinking and analyzing skills.
CO5	Develop a stronger commitment towards human values, relationships, and societal well being.
CO6	Apply what they have learnt in different day-to-day settings in real life, and take the initial steps towards integrating these values into daily life.

Laboratory

24ME311- Product Development Lab - I

COs	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Identify, collect, and interpret relevant scholarly literature in the chosen research area.
CO2	Evaluate existing research to identify gaps and formulate precise research questions.
CO3	Apply brainstorming techniques to generate innovative and diverse research ideas.
CO4	Analyze reviewed literature and research gap to effectively present a research problem with clarity and rationale.
CO5	Utilize the knowledge on the usage of modern tools.
CO6	Develop skills in using evidence to create and present an engaging and critical argument.

24CS311- Aptitude and Coding Skills - I

COs	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Develop vocabulary for effective communication skills.
CO2	Build the logical reasoning enhance critical thinking.
CO3	Develop error correction and debugging skills in programming.
CO4	Apply programming skills to develop programs efficiently
CO5	Solve problems using quantitative skills
CO6	Develop effective reading and listening skills.

24CE311- Internship / Seminar

COs	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Bridge the gap between Industrial requirements and academic learning.
CO2	Apply acquired knowledge to real-time applications.
CO3	Carryout multi-disciplinary projects under the guidance of industry and academic supervision.
CO4	Extend the knowledge through research and development in specialized areas.
CO5	Identify the complexities involved in solving real-world engineering problems in an industrial setting.
CO6	Demonstrate professional conduct and teamwork in an industrial environment.

Fifth Semester B.E

22CE501-Reinforced Concrete Design (Lab Integrated)	
COs	**Course Outcome: The students, after the completion of the course, are expected to ….**
CO1	Apply the principles and methodologies of reinforced concrete design, following codal provisions and best practices in structural engineering.
CO2	Apply knowledge of stress-strain behavior of concrete and steel, as well as various design philosophies in the analysis and design of structural elements.
CO3	Demonstrate proficiency in designing key structural components including slabs, beams, columns, and foundations, compliance with IS 456:2000 and SP 16.
CO4	Utilize STAAD Pro software to perform structural analysis and design, enhancing accuracy and efficiency in the analysis and design of various structural elements under different loading conditions.
CO5	Conduct a comparative analysis between the software-generated designs and manual calculations for a critical understanding of both approaches and validating design accuracy.
CO6	Compare software-generated designs with manual calculations to evaluate the accuracy of both approaches.

22CE502-Structural Analysis (Lab Integrated)	
COs	**Course Outcome: The students, after the completion of the course, are expected to ….**
CO1	Apply the principles of mathematics and engineering sciences to analyze structural elements.
CO2	Analyse indeterminate beams, frames and trusses to determine the internal stresses using conventional and modern methods.
CO3	Plot the shear force and bending moment diagram of indeterminate beams and rigid frames.
CO4	Validate the manually calculated SF and BM using software.
CO5	Analyse multi storied 3-D frames using STAAD Pro software.
CO6	Communicate effectively through technical reports and presentations, as an individual or as a team imbibing ethical principles.

22CE503-Foundation Engineering (Lab Integrated)	
Cos	**Course Outcome: The students, after the completion of the course, are expected to ….**
CO1	Identify suitable soil exploration technique and footing design for any construction by applying the fundamentals of mathematics, science and engineering.
CO2	Analyze the factors influencing bearing capacity and settlement criteria for foundation design
CO3	Decide proportioning of shallow foundation under different soil conditions.
CO4	Determine load carrying capacity and settlement of pile foundation under various soil conditions
CO5	Calculate earth pressure for granular and cohesive soils and carryout stability analysis on retaining walls.
CO6	Determine the shear strength behavior of soils using modern engineering tools.

22CE911-Irrigation Engineering (Professional Elective)	
Cos	**Course Outcome: The students, after the completion of the course, are expected to ….**
CO1	Demonstrate the importance of knowledge and skills of various irrigation practices
CO2	Explain the concepts of irrigation methods and management.
CO3	Design the components of gravity dam and diversion head works
CO4	Discuss the concepts of Kennady's and Lacey's regime theory in irrigation.
CO5	Apply the concept of water user association and participatory irrigation management.
CO6	Evaluate an irrigation system to provide water at the right time and right place

22CE922-Highway and Pavement Engineering (Professional Elective)	
COs	**Course Outcome: The students, after the completion of the course, are expected to ….**
CO1	Examine the historical evolution of road infrastructure to comprehend the progression of highway planning and alignment strategies.
CO2	Assess the factors that impact decisions on highway project preparation and proficiently utilize engineering surveys in the initial phases of highway planning.
CO3	Design efficient highway cross-sections by applying geometric design principles to meet traffic requirements.
CO4	Design the flexible and rigid pavements by IRC standards.
CO5	Evaluate pavement materials and construction techniques to construct durable and environmentally friendly pavements for various traffic conditions
CO6	Analyze pavement defects and performance indicators to apply appropriate maintenance strategies and pavement strengthening techniques.

22ME006-Testing of Materials (Open Elective)	
COs	**Course Outcome: The students, after the completion of the course, are expected to ….**
CO1	Identify suitable testing technique to inspect any industrial component.
CO2	Practice the different mechanical testing techniques and know its applications and limitations
CO3	Practice the different non-destructive testing techniques and know its applications and limitations
CO4	Practice the different material characterization techniques and know its applications and limitations
CO5	Practice the different Thermal Testing techniques and know its applications and Limitations
CO6	Identify suitable testing technique to inspect any industrial component.

Laboratory

22CS511-Advanced Aptitude and Coding Skills - I	
COs	**Course Outcome: The students, after the completion of the course, are expected to ….**
CO1	Develop vocabulary for effective communication and reading skills.
CO2	Build the logical reasoning and quantitative skills.
CO3	Develop error correction and debugging skills in programming.

22CE511-Internship

COs	**Course Outcome: The students, after the completion of the course, are expected to ….**
CO1	Bridge the gap between Industrial requirements and academic learning.
CO2	Apply acquired knowledge to real-time applications.
CO3	Carryout multi-disciplinary projects under the guidance of industry and academic supervision.
CO4	Extend the knowledge through research and development in specialized areas.
CO5	Identify the complexities involved in solving real-world engineering problems in an industrial setting.
CO6	Demonstrate teamwork and industrial work ethics, and report the activities carried out during the internship.

Seventh Semester B.E.

22CE701- Professional Ethics in Engineering	
COs	**Course Outcome: The students, after the completion of the course, are expected to ….**
CO1	Summarize the importance of human values in work place.
CO2	Discuss the senses of engineering ethics, moral dilemmas, moral autonomy and uses of ethical theories.
CO3	Describe the role of engineers as responsible experimenters and necessity of codes of ethics in engineering.
CO4	Explain safety, risk, responsibilities and rights in the society.
CO5	Analyze the global issues related to environmental ethics, computer ethics, weapons development and the role of engineers as expert witnesses and advisors.
CO6	Apply ethics in society and discuss the ethical issues related to engineering.

22CE702- Estimation, Costing and Valuation Engineering (Lab Integrated)	
COs	**Course Outcome: The students, after the completion of the course, are expected to ….**
CO1	Estimate the quantities for buildings, roads, septic tank, soak pit, retaining walls and culverts.
CO2	Analyse the rate and cost estimate for buildings, canals, and roads as per the schedule of rates.
CO3	Prepare technical report, tender and contract documents for various work with detailed specifications.
CO4	Explain bidding procedures, types of contracts, arbitration and legal requirements in construction.
CO5	Perform valuation of property and calculate rent, mortgage and lease of land and buildings.
CO6	Develop a modern engineering tool for quantity and cost estimation.

22CE951- Prefabricated Structures (Professional Elective)	
COs	**Course Outcome: The students, after the completion of the course, are expected to ….**
CO1	Recall the various technologies used in fabrication and erection of prefabricated buildings.
CO2	Explain the behaviour of various components and the process of construction of various prefabricated elements
CO3	Identify the various design loads to be considered in the design of elements and calculate the centre of mass and centre of stiffness of the structure.
CO4	Provide suitable connections for different members considering environment and

	sustainability.
CO5	Propose suitable mechanism to avoid progressive collapse with professional engineering practice.
CO6	Demonstrate proficiency in one's own work as an individual or as a team and provide solution to engineering problems with ethics.

22CB005- Design Thinking (Open Elective)	
COs	**Course Outcome: The students, after the completion of the course, are expected to ….**
CO1	Understand the phases of design thinking process
CO2	Conduct an immersion activity to create an empathy map
CO3	Define the key problems of the personas created.
CO4	Apply the ideation phase steps to present the prototype ideas
CO5	Create a prototype with value propositions and test the prototype

22ME008-Renewable Energy Resources (Open Elective)	
COs	**Course Outcome: The students, after the completion of the course, are expected to ….**
CO1	Analyze the importance and Economics of renewable Energy
CO2	Discuss the method of power generation from Solar Energy
CO3	Describe the method of power generation from Wind Energy.
CO4	Explain the method of power generation from Bio Energy.
CO5	Differentiate the Tidal energy, Wave Energy, OTEC, Hydro energy and Geothermal Energy.
CO6	Illustrate the importance of Fuel cells and Hybrid systems.

Laboratory

22CE711- Building Information Modeling II

COs	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Create a 3D model to furnish the structural details of RC members
CO2	Develop a 3D model for connection detailing of steel members.
CO3	Create a federated model to analyze clashes and to deliver a clash-free model.
CO4	Develop architectural and structural models based on project standards and respective documents for construction stage.
CO5	Apply construction management skills as a member of a multi-disciplinary team.
CO6	Create written communications appropriate to the construction discipline.

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Course Outcomes - Even Semester 2025-26

Sl. No.	Semester	Theory / Practical	Course Code / Course Name
1	4	Theory	24MA401- Probability and Statistics
2	4	Theory	24CE401- Fluid Mechanics and Hydraulic Engineering (Lab Integrated)
3	4	Theory	24CE402- Concrete Technology and Construction Practices (Lab Integrated)
4	4	Theory	24CE011- Advanced Mechanics of Materials (Professional Elective)
5	4	Theory	24IT402- Web Development Frameworks (Lab Integrated)
6	4	Theory	24CE411- Computer Aided Building Drawing
7	4	EEC	24ME411-Product Development Lab-2
8	4	EEC	24CS411-Aptitude and Coding Skills II
9	6	Theory	22CE601-Design of Steel Structures
10	6	Theory	22CE602-Environmental Engineering (Lab Integrated)
11	6	Theory	22CE931-Ground Improvement Techniques (Professional Elective)
12	6	Theory	22CE941-Maintenance, Repair and Rehabilitation of Structures
13	6	Theory	22ME917-Principles of Management (Management Elective)
14	6	Theory	22ME001- Introduction to Nanotechnology (Open Elective II)
15	6	Practical	22CE611- Building Information Modeling laboratory-I
16	6	EEC	22CS611-Advcanced Aptitude and Coding Skills - II
17	8	Practical	20CE811R-Project Work

Fourth Semester B.E.

24MA401- Probability and Statistics

COs	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Apply the concept of testing the hypothesis.
CO2	Implement the concept of analysis of variance for various experimental designs.
CO3	Demonstrate the control charts for variables and attributes.
CO4	Solve the initial value problems using numerical techniques.
CO5	Determine the numerical solutions of boundary value problems.

24CE011- Advanced Mechanics of Materials (Professional Elective)

Cos	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Understand the fundamental principles of energy methods and their applications in structural analysis.
CO2	Apply energy principles to compute deflections in determinate beams, frames, and trusses.
CO3	Analyze indeterminate beams to calculate fixed-end moments, and draw the shear force and bending moment diagrams.
CO4	Evaluate the stability and critical load of columns using Euler's and Rankine-Gordon formulas, considering different end conditions and eccentric loading.
CO5	Evaluate the stability and critical load of columns using Euler's and Rankine-Gordon formulas, considering different end conditions and eccentric loading.
CO6	Develop a professional attitude towards structural analysis, demonstrating meticulousness, problem-solving skills, and effective communication in technical settings.

24CE401- Fluid Mechanics and Hydraulic Engineering (Lab Integrated)

COs	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Apply the fundamental principles of fluid properties and statics to analyze pressure variations in a fluid.
CO2	Analyze fluid motion using kinematics, continuity, and energy equations.
CO3	Evaluate flow behavior in pipes and open channels, and determine hydraulic losses.
CO4	Apply dimensional analysis and model studies for hydraulic applications.
CO5	Assess rapidly varied flow phenomena such as hydraulic jumps and surges.
CO6	Demonstrate knowledge of hydraulic machines and evaluate the performance of pumps and turbines.

24CE402- Concrete Technology and Construction Practices (Lab Integrated)

Cos	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Describe the requirements of cement, aggregates and water for making concrete.
CO2	Summarize the effect of admixtures on properties of concrete.
CO3	Apply the concept of mix proportioning using different mix design methods.
CO4	Classify the properties of concrete at fresh and hardened state.
CO5	Outline the various practices and activities involved in substructure and super structures
CO6	Acquire practical skills in material testing, mix design, workability assessment, structural layout, and construction techniques for quality concrete structures.

24IT402- Web Development Frameworks (Lab Integrated)

Cos	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Understand and apply modern web technologies including HTML5, CSS3, JavaScript, and advanced TypeScript concepts to build dynamic web components.
CO2	Develop responsive and modular front-end applications using ReactJS, including component creation, state management, and routing.
CO3	Implement advanced React features like hooks (useState, useEffect, useRef), React Router, and REST API integration using Axios for dynamic content handling.
CO4	Utilize higher-order components (HOCs), lazy loading, and server-side rendering to optimize and abstract React applications.
CO5	Perform unit testing using Jest and RTL, and manage global application state efficiently using Context API and Redux.
CO6	Design and deliver scalable and real-world enterprise web applications with complete user interface flow, security, and error handling.

24CE411- Computer Aided Building Drawing

Cos	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Plan a building according to the requirements of National Building Code.
CO2	Prepare the layout and sectional views of a building manually.
CO3	Familiarize in the usage of AUTOCAD commands to generate different views.
CO4	Draft the plan, elevation and sectional views of the given structure using AUTOCAD.
CO5	Utilize the knowledge on the usage of modern tools.
CO6	Develop technical communication skill in the form of communicative drawing.

22ME411-Product Development Lab-II

Cos	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Interpret stakeholder needs and document comprehensive functional requirements for the proposed system.
CO2	Develop functional block diagrams or flowcharts to represent system interactions and functional relationships.
CO3	Analyze functional specifications that define roles, behaviors, constraints, and performance expectations for each function.
CO4	Evaluate the defined functional model through verification and validation techniques to ensure alignment with original requirements.
CO5	Analyze and present functional design solutions aligned with the identified research problem and gap.

24CS411-Aptitude and Coding Skills II

Cos	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Develop advanced vocabulary for effective communication skills.
CO2	Build an enhanced level of logical reasoning and quantitative skills.
CO3	Develop error correction and debugging skills in programming.
CO4	Apply data structures and algorithms in problem solving.
CO5	Develop advanced vocabulary for effective reading skills.
CO6	Apply advanced algorithm design techniques to develop programs

Sixth Semester B.E.

22CE601-Design of Steel Structures

Cos	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Understand the properties of steel sections and the concept of limit state method of design of steel structures.
CO2	Comprehend the specifications provided by Indian standards to proficiently design structural elements.
CO3	Evaluate the efficiency and performance of bolted and welded connections used in steel structures and design the same.
CO4	Design tension members, compression members and flexural members, demonstrating the ability to develop optimal structural solutions.
CO5	Synthesize the design of purlins and plate girders to ensure structural safety and stability.
CO6	Communicate effectively through technical reports and presentations, as an individual or as a team imbibing ethical principles.

22CE602-Environmental Engineering (Lab Integrated)

COs	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Apply the principles of mathematics and engineering fundamentals to analyze water supply and sewage treatment systems.
CO2	Determine and forecast water demand and population growth using statistical methods, and evaluate water sources for quality compliance.
CO3	Design and optimize municipal water purification processes to meet public health standards.
CO4	Plan and construct sewerage systems by studying the properties of sewage and predicting the flow of sanitary sewage and storm runoff.
CO5	Evaluate and implement advanced methods for sludge treatment and disposal including industrial wastewater management.
CO6	Demonstrate strong communication skills, project management process, and a dedication to moral behavior.

22CE931-Ground Improvement Techniques (Professional Elective)

COs	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Identify issues related to soil deposits and develop strategies to assess them.
CO2	Familiarize with various ground improvement techniques and selection of appropriate methods suited to soil conditions.
CO3	Understand dewatering techniques and demonstrate the ability to design a dewatering system according to the requirements.
CO4	Gain knowledge on in-situ treatment of cohesive and cohesionless soils.
CO5	Explain the concept of reinforced earth structures and the applications of geosynthetics, geotextiles and geogrids.
CO6	Gain knowledge on types of grouting and different soil stabilization techniques.

22CE941-Maintenance, Repair and Rehabilitation of Structures (Professional Elective V)

COs	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Apply basic engineering principles and advanced knowledge in maintenance, repair, and rehabilitation techniques.
CO2	Assess distressed structures using appropriate maintenance, inspection and assessment methods.
CO3	Discuss the effects of climate and temperature on the strength and durability properties of concrete.
CO4	Describe different types of special concrete and its properties.
CO5	Identify the repair, rehabilitation, retrofitting and protection methods for different structures.
CO6	Choose various methods of demolition techniques through case studies.

22ME001- Introduction to Nanotechnology (Open Elective I)

Cos	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Identify suitable testing technique to inspect any industrial component.
CO2	Practice the different mechanical testing techniques and know its applications and limitations
CO3	Practice the different non-destructive testing techniques and know its applications and limitations
CO4	Practice the different material characterization techniques and know its applications and limitations

CO5	Practice the different Thermal Testing techniques and know its applications and Limitations
CO6	Practice the different chemical Testing techniques and know its applications and Limitations

Laboratory

22CE611-Building Information Modeling Drawing-I

Cos	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Apply Revit commands to create architectural drafts.
CO2	Demonstrate proficiency in creating, modifying, annotating building components and assigning properties using Revit.
CO3	Modify materials, sections and views for the customer needs.
CO4	Incorporate sustainability for engineering problems related to construction.
CO5	Apply construction management skills as a member of a multi-disciplinary team.
CO6	Create written communications appropriate to the construction discipline.

22CS611-Advanced Aptitude and Coding Skills II

Cos	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Develop advanced vocabulary for effective communication and reading skills.
CO2	Build an enhanced level of logical reasoning and quantitative skills.
CO3	Develop error correction and debugging skills in programming.
CO4	Apply data structures and algorithms in problem solving.

Eight Semester B.E.

22CE811-Project Work

Cos	Course Outcome: The students, after the completion of the course, are expected to ….
CO1	Develop sustainable projects considering their societal and environmental importance.
CO2	Identify appropriate techniques and apply fundamental engineering knowledge to solve the identified problem.
CO3	Carry out inter disciplinary projects using modern techniques and tools.
CO4	Work as an individual or as a team in the development of technical projects, applying ethical principles.
CO5	Comprehend and write reports effectively on the project related activities and findings.
CO6	Bridge the gap between industry and academia by carrying out industrial projects