1.1.1 -Curricula developed and implemented have relevance to the Global(G) , National(N), Regional(R) and Local(L) developmental needs which is reflected in Programme outcomes (POs), Programme Specific outcomes (PSOs) and Course Outcomes (COs) of the Programmes offered by the Institution.

S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
1	B.E-Aeronautical Engineering	PO1	Engineering knowledge: An ability to relate the knowledge of mathematics, science and engineering, to practical real-world applications.	Yes	Yes	Yes	Yes	Solutions for the complex engineering problems can be obtained by using Testing software tools like Matlab, Xilinx, Cadence, arc., and hardware tools like Xilinx Spartan development boards.
		PO2	Problem analysis: An ability to identify, formulate and solve the engineering problems.	Yes	Yes	Yes	Yes	The objective of the course is to impart the knowledge and understanding of causes and effects of air pollution and their controlling mechanisms
		PO3	Design/development of solutions: An ability to produce the efficient system design and components design for various applications.	Yes	Yes	Yes	Yes	Understand the concept of an ecosystem and structure and function of an ecosystem.
		PO4	Conduct investigations of complex problems: An ability to conduct and investigate different experiments for analysis and synthesis purpose.	Yes	Yes	Yes	Yes	It can obtain knowledge about Renewable Energy
		PO5	Modern tool usage: Excel in modern Engineering tools, Software's and other equipment's.	Yes	Yes	Yes	Yes	Students can learn about rules and regulations followed in aviation industries.
		PO6	The engineer and society: An understanding the Professional responsibility in this technological world.	Yes	Yes	Yes	Yes	Students can get knowledge in airline operation management
		PO7	Environment and sustainability:An ability to perceive the impact of Professional Engineering Solution in societal and Environmental contexts and demonstrate the knowledge of, and need for sustainable development.	Yes	Yes	Yes	Yes	Students can get knowledge on valuable assets of company and understand how to work
		PO8	Ethics:An ability to apprehend, code of conduct and ethical responsibilities.	Yes	Yes	Yes	Yes	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
		PO9	Individual and team work: An ability to work on multi-disciplinary task and team work.	Yes	Yes	Yes	Yes	To develop the ability to distinguish between what is of value and what is superficial in life.
		PO10	Communication: Ability to write and communicate effectively in verbal, written form.	Yes	Yes	Yes	Yes	Provides students with a learning environment with little attention to whether or not students ever learn the material.

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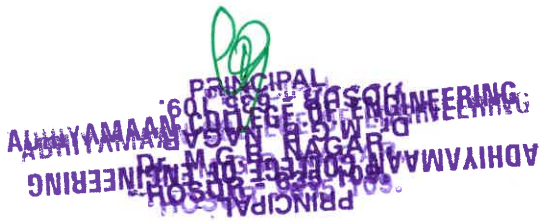
S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
		PO11	Project management and finance:An understanding of Engineering Economics and Management principles to lead projects effectively.	Yes	Yes	Yes	Yes	Students are expected to be able to do more challenging tasks other than memorize and reproduce what was taught.
		PO12	Life-long learning: An ability to develop confidence for self-education and for life-long learning.	Yes	Yes	Yes	Yes	Students should be able to: write project proposals, complete projects, analyze case studies, give case presentations, show their abilities to think, question, research, and make decisions based on the findings.
		Program Specific Outcomes (PSOs)						
		PSO1	Recognize the need for, and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.	Yes	Yes	Yes	Yes	Students should be enriched on three dimensional scales of knowledge, skill and attitude throughout the course
		PSO2	Ability to excel in Aero modelling ,UAV design , Aircraft structures, Computational Aerodynamic and combustion related problems	Yes	Yes	Yes	Yes	Lack of emphasis on soft skills needed in jobs e.g. communication skills, interpersonal skills, analytical skills, working attitude etc.
		PSO3	Design , analyse, interpret , formulate and to find the solution for Aerospace related problems	Yes	Yes	Yes	Yes	Graduates are not completely prepared for the workforce.
2	B.Arch-Architecture	PO1	Understanding concepts, theories and fundamentals that form the primary knowledge base of the architectural profession.	Yes	Yes	Yes	Yes	Provides insight towards the ideologies in Architecture with reference to Principles of Architecture, Fundamental Design Studio, Theory of Design etc.
		PO2	Creation of architectural solutions with analysis and design at all scales with innovative ideas and appropriate approach satisfying the current needs of the built environment.	Yes	Yes	Yes	Yes	Understanding the built environment and Climate conscious Design Solutions through various approach like Site Analysis and innovative Concepts.
		PO3	Use of various graphical communication skills of architecture such as drawing, presentation techniques, and architectural drafting for solutions: both manual and computer aided.	Yes	Yes	Yes	Yes	Enhance the Infographic presentation skills both manual and digital medium through documentation and rendering.
		PO4	Analyzing the existing situations and contribute to constructional aspects of building materials, model making, surveying, construction techniques and building services and structural design.	Yes	Yes	Yes	Yes	Gain knowledge on the service components of the building like HVAC, Electrical, Plumbing and Acoustics. They also explore the current trend in materials and construction technologies.



S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
		PO5	Understand through experiences with the current scenario of how architectural theory and design methodology leads to the solution of architectural design problems in a global society.	Yes	Yes	Yes	Yes	Design Solution for various scale of Projects like rural, urban and regional study through lateral thinking and congnitive skills.
		PO6	Understanding the structural concepts and behaviour of structural elements and relate the knowledge acquired to architectural design.	Yes	Yes	Yes	Yes	Explore the sturctural components of the buildings and provide solutions to achieve the structural stability according to IS standards.
		PO7	Acquisition of entrepreneurial and business acumen relevant to architecture practice enables the student ready through courses on professional practice, urban economics, estimation and surveying and an opportunity to learn through apprenticeship.	Yes	Yes	Yes	Yes	Equip the students with knowledge on global standards of estimation. Also provide the basic knowledge on professional practice and ethics.
		PO8	Understanding of various historical context with sensitivity of cultural, social aspects of architecture and as well as make meaningful and contextual design decisions.	Yes	Yes	Yes	Yes	Understanding the vernalcure styles and Socio-cultural values of the society for providing contextual design solutions.
		PO9	Ability to think, plan and prepare solutions for an architectural project and design assessment criteria.	Yes	Yes	Yes	Yes	Design solution for Macro level projects satisfying various needs through assessment.
		PO10	Understanding of the principles of sustainability, climatology, heritages sites in making architecture and urban design decisions that conserve natural and built resources and in the creation of sustainable buildings and communities.	Yes	Yes	Yes	Yes	Solutions to conserve the natural resources through sustainable approaches in design
		PO11	Engage in the process of design and building in the discourse of social, ethical, and professional responsibility.	Yes	Yes	Yes	Yes	Understand the professional responsibilities considering the social and ethical values of the society
		PO12	Acquisition of entrepreneurial and business acumen relevant to architecture practice and engage them to serve as a catalyst.	Yes	Yes	Yes	Yes	Ability to make judgment considering the financial risk in the architectural practice.
		Program Specific Outcomes (PSOs)						
		PSO1	Design building forms that are based on foundational design principles and reflect the needs and desires of users, contexts, uses, and content.	Yes	Yes	Yes	Yes	Provide knowledge of the various building forms according to the users need and site context, considering the Visual aspects, emotional aspects and principles of design.

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				Local needs	Regional needs	National needs	Global needs	
		PSO2	Understand key historical and contemporary concepts, people, artifacts, and tools and use them in the development of design work.	Yes	Yes	Yes	Yes	Design development with respect to the cultural and historical interest.
		PSO3	Effectively communicate ideas orally, graphically, physically, and in writing throughout all stages of the design process.	Yes	Yes	Yes	Yes	Demonstrate the relation between data, ideas, information and concepts in the design process.
3	B.Tech-Biotechnology	PO1	An ability to apply knowledge of mathematics, science, and engineering fundamentals in the areas of biotechnology such as Bioprocess engineering, Genetic engineering, Enzyme technology, Bioinformatics, Downstream processing, etc.,	Yes	Yes	Yes	Yes	Solutions for the complex engineering problems can be obtained by using mathematics, science, and engineering fundamentals in the areas of biotechnology such as Bioprocess engineering, Genetic engineering, Enzyme technology, Bioinformatics, Downstream processing, etc.,
		PO2	An ability to identify and analyze complex biotechnology-oriented problems and to solve the problems by providing appropriate solutions.	Yes	Yes	Yes	Yes	Solutions for the problems associated with biotechnology
		PO3	An ability to design a bio-based system, component to address the essential issues related to public health, environment and society.	Yes	Yes	Yes	Yes	Designing of a bio-based system, component to address the essential issues related to public health, environment and society.
		PO4	An ability to design, analyze and interpret biological data and draw conclusions using broad research-based knowledge.	Yes	Yes	Yes	Yes	Solution for biological data interpretation and draw conclusions using broad research-based knowledge.
		PO5	An ability to make the appropriate selection and application of current/ modern engineering techniques/ tools in the area of biotechnology.	Yes	Yes	Yes	Yes	Selection of appropriate tools for biotechnology application
		PO6	An ability to inculcate awareness among the students about the impact of various biological issues related to society, ethics, health, culture and safety.	Yes	Yes	Yes	Yes	Makes awareness among the students about biotechnology impacts
		PO7	An ability to understand and demonstrate the need for the development of sustainable biotechnological solutions for addressing the environmental issues in society.	Yes	Yes	Yes	Yes	Solution for the development of sustainable biotechnological solutions for addressing the environmental issues in society.
		PO8	An ability to realize, commit and apply professional ethics by means of technology practice.	Yes	Yes	Yes	Yes	Provides knoledge to realize, commit and apply professional ethics by means of technology practice.
		PO9	An ability to inculcate the habit among students to function efficiently as individuals or in multidisciplinary teams.	Yes	Yes	Yes	Yes	Makes awareness among the students about function efficiently as individuals

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				Local needs	Regional needs	National needs	Global needs	
		PO10	An ability to communicate effectively through verbal and written mode with technical audience.	Yes	Yes	Yes	Yes	Make students to communicate effectively through verbal and written mode with technical audience.
		PO11	An ability to recognize the need for life- long learning for sustaining professional career.	Yes	Yes	Yes	Yes	Make students to recognize the need for life- long learning for sustaining professional career.
		PO12	An ability to be competent in engineering management, finance principles and its application in multidisciplinary projects.	Yes	Yes	Yes	Yes	Solution for engineering management, finance principles and its application in multidisciplinary projects.
		Program Specific Outcomes (PSOs)						
		PSO1	An ability to be competent in engineering management, finance principles and its application in multidisciplinary projects.	Yes	Yes	Yes	Yes	Solution for engineering management, and its application in multidisciplinary projects.
		PSO2	To understand and apply major qualitative, computational and business skills in various domains of biotechnology like Genetic Engineering, Bioprocess Engineering, Immunology, etc., and to excel in a variety of entry level positions in biotechnology industry	Yes	Yes	Yes	Yes	Make students to apply major qualitative, computational and business skills in various domains of biotechnology
		PSO3	To develop ability/skills both in theoretical and practical knowledge to pursue higher studies to be an entrepreneur and to serve in different manufacturing facilities like food, pharmaceuticals, healthcare industry, etc.	Yes	Yes	Yes	Yes	Make students to develop ability/skills both in theoretical and practical knowledge to pursue higher studies
4	B.E- Biomedical Engineering	PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	Yes	Yes	Yes	Yes	Apply the knowledge of mathematical, statistical, and computational methods to optimize the problems in biomedical applications
		PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	Yes	Yes	Yes	Yes	Analyze the postulates using first principles of mathematics, natural sciences, and engineering sciences in Biomedical Engineering
		PO3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations	Yes	Yes	Yes	Yes	Developing fundamental theories, systems, and designing products to support medical industries, health care providers, governmental agencies, and academic entities.

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				Local needs	Regional needs	National needs	Global needs	
		PO4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	Yes	Yes	Yes	Yes	Acquiring and analyzing Bio signals using computational methods
		PO5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.	Yes	Yes	Yes	Yes	Contributing to the rapid advancement of physiological signal processing and computer-aided diagnosis of intractable diseases using software and hardware tools
		PO6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	Yes	Yes	Yes	Yes	Improving human health and well-being by using engineering principles and technologies for the betterment of society.
		PO7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	Yes	Yes	Yes	Yes	Creating impact of the Biomedical engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
		PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	Yes	Yes	Yes	Yes	An ability to apprehend, code of contact and ethical responsibilities in health care sectors
		PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	Yes	Yes	Yes	Yes	Building strong interest in product development and product management together with critical thinking skills, open mindedness, and a willingness to learn.
		PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	Yes	Yes	Yes	Yes	Comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions of medical information.
		PO11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	Yes	Yes	Yes	Yes	Demonstrate knowledge and understanding of the Clinical Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in health care environments.

S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
		PO12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.	Yes	Yes	Yes	Yes	Developing confidence for self education and for life long learning
		Program Specific Outcomes (PSOs)						
		PSO1	An ability to apply advanced technology for measurement and interpretation of data acquired from biological system dealing the problems associated with the interaction between living and non-living materials and systems.	Yes	Yes	Yes	Yes	Identify, analyze and solve the real life problems by applying principles of Biomedical Engineering with uniqueness
		PSO2	An ability to use software tools, mathematics, science and engineering for precise diagnosis and therapeutic applications	Yes	Yes	Yes	Yes	An ability to solve health problems with optimal solutions using modern hardware and software tools in the domain of Biomedical Engineering.
		PSO3	An ability to build and expand their undergraduate foundations by engaging in learning opportunities throughout their careers.	Yes	Yes	Yes	Yes	Explore, establish and implement various applications of the Biomedical Engineering and physiological subsystems in design and observing human body systems for leading normal health functioning.
5	B.Tech - Chemical Engineering	PO1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	Yes	Yes	Yes	Yes	Complex engineering problems can be solved by modeliing the equation with the help of mathematical software tools like UNISIM, ANSYS
		PO2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	Yes	Yes	Yes	Yes	Solution for real time problems in recent technology can be sorted out with the practical knowledge of basic engineering sciences
		PO3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.	Yes	Yes	Yes	Yes	Solution for health, safety, cultural, societal and environmental related issues can be obtained by specifically controlled design of the process
		PO4	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	Yes	Yes	Yes	Yes	A valid conclusion can be aquired with the knowledge of data intrepretation in research based studies

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				Local needs	Regional needs	National needs	Global needs	
		PO5	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations	Yes	Yes	Yes	Yes	Software tools such as MATLAB, UNISIM,ANSYS can be utilized in the development of solution for real time existing difficulties in industries
		PO6	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	Yes	Yes	Yes	Yes	Implementation of Professional engineering practice with contextual knowledge in societal, health, safety, legal and cultural issues can be assessed.
		PO7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	Yes	Yes	Yes	Yes	Sustainable developmental needs in society and environment can be satisfied through professional engineering context
		PO8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	Yes	Yes	Yes	Yes	Implementation of principles and responsibilities of professional ethics is made feasible
		PO9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	Yes	Yes	Yes	Yes	Interpersonal skills of being an individual, or as a team leader in multidisplinary environments could be achieved
		PO10	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	Yes	Yes	Yes	Yes	Effective communications with the society, engineering communities through proper documentation and presentation can satisfy the needs at industrial and societal level
		PO11	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	Yes	Yes	Yes	Yes	Application of engineering principle with demonstration through project management as an individual or as a team in finding the solution
		PO12	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.	Yes	Yes	Yes	Yes	Continuous updating of technological advancement has enhanced lifelong independent learning process
		Program Specific Outcomes (PSOs)						

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S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
		PSO1	Graduates will apply knowledge in physics, chemistry and biology in the field of transfer processes for effective separation and purification of petrochemicals, pharmaceuticals and health care products	Yes	Yes	Yes	Yes	The basic and core technical concepts were utilized in assessing the process modifications in the areas of chemical and its allied industries in order to meet the global needs
		PSO2	Graduates will automate and control processes by applying mathematics, process control, instrumentation, simulation and process modelling	Yes	Yes	Yes	Yes	Software tools such as MATLAB, UNISIM,ANSYS can be utilized in the development of solution for real time difficulties in industries with the help of process modelling and design
		PSO3	Equip Chemical Engineering graduates with integrity and ethical values so that they become responsible Engineers	Yes	Yes	Yes	Yes	The human value with professional ethics develop a responsible Chemical Engineers with integrity
6	B.E-Civil Engineering	PO1	Engineering knowledge: An ability to relate the knowledge of mathematics, science and engineering, to practical real-world applications.	Yes	Yes	Yes	Yes	Enabling the application of basic and engineering science principles in analysis, design and execution of civil engineering works
		PO2	Problem analysis: An ability to identify, formulate and solve the engineering problems.	Yes	Yes	Yes	Yes	The students adapt systematic approaches in designing civil engineering infrastructure and performing economical evaluation
		PO3	Design/development of solutions: An ability to produce the efficient system design and components design for various applications.	Yes	Yes	Yes	Yes	The students can design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal and environmental considerations
		PO4	Conduct investigations of complex problems: An ability to conduct and investigate different experiments for analysis and synthesis purpose.	Yes	Yes	Yes	Yes	The students will be able to carry out manual design calculations based on the required criteria
		PO5	Modern tool usage: Excel in modern Engineering tools, Software's and other equipment's.	Yes	Yes	Yes	Yes	The students are able to carry out design and prepare drawings using relevant computer software (AutoCAD, STAAD-PRO and other design software)
		PO6	The engineer and society: An understanding the Professional responsibility in this technological world.	Yes	Yes	Yes	Yes	The students can analyses and design infrastructural projects of civil engineering
		PO7	Environment and sustainability: An ability to perceive the impact of Professional Engineering Solution in societal and Environmental contexts and demonstrate the knowledge of, and need for sustainable development.	Yes	Yes	Yes	Yes	The students will be able to apply fundamental concepts of structural, geotechnical, water resources and environmental engineering to make best projects in civil engineering

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				Local needs	Regional needs	National needs	Global needs	
		PO8	Ethics:An ability to apprehend, code of conduct and ethical responsibilities.	Yes	Yes	Yes	Yes	The students will be able to apply structural analysis, design and quality control methods using latest national design codes in civil engineering works
		PO9	Individual and team work: An ability to work on multi-disciplinary task and team work.	Yes	Yes	Yes	Yes	The students can lead their teams to complete the projects ethically and sustainably
		PO10	Communication: Ability to write and communicate effectively in verbal, written form.	Yes	Yes	Yes	Yes	The students will be able to produce presentable report containing executive summary, introduction tasks distribution, concepts, design calculations, drawings for tender documentation, conclusions, etc.
		PO11	Project management and finance: An understanding of Engineering Economics and Management principles to lead projects effectively.	Yes	Yes	Yes	Yes	The students will be able to apply principles of Civil Engineering for the entire life cycle of the project ranging fro initial design to closure of the project
		PO12	Life-long learning: An ability to develop confidence for self-education and for life-long learning.	Yes	Yes	Yes	Yes	The students will develop skills to design sustainable solutions for real time problems of civil engineering by adopting modern technologies and design tools such as STAAD-PRO, ETABS, ANSYS etc.,
		Program Specific Outcomes (PSOs)						
		PSO1	Knowledge of Civil Engineering discipline: Should be able to explicit the knowledge gained from Civil Engineering course to attain solutions which addresses the changing needs and issues of the society	Yes	Yes	Yes	Yes	The students can apply the basic and engineering science principles in analysis, design and execution of civil engineering works and provide innovative solutions
		PSO2	Critical analysis of Civil Engineering problems and innovation: Should be able to adapt the technological advancement in Civil Engineering and implement the same on real time basis	Yes	Yes	Yes	Yes	Can use software packages to calculate safe loads and stresses for designing structural members to ensure safety and serviceability
		PSO3	Conceptualization and evaluation of engineering solutions to Civil Engineering issues: Should be able to prepare and produce plans, detailed drawings, rate analysis and specifications including the execution of engineering projects	Yes	Yes	Yes	Yes	Capability to manage large infrastructure projects ensuring safe and cost-effective execution of projects having knowledge of fast track construction and project management
7	B.E-Computer Science Engineering	PO1	Engineering knowledge	Yes	Yes	Yes	Yes	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

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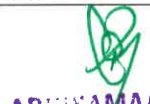
				Local needs	Regional needs	National needs	Global needs	
		PO2	Problem analysis	Yes	Yes	Yes	Yes	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
		PO3	Design/development of solutions	Yes	Yes	Yes	Yes	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
		PO4	Conduct investigations of complex problems	Yes	Yes	Yes	Yes	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
		PO5	Modern tool usage	Yes	Yes	Yes	Yes	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
		PO6	The engineer and society	Yes	Yes	Yes	Yes	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
		PO7	Environment and sustainability	Yes	Yes	Yes	Yes	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development
		PO8	Ethics	Yes	Yes	Yes	Yes	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
		PO9	Individual and team work	Yes	Yes	Yes	Yes	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
		PO10	Communication	Yes	Yes	Yes	Yes	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.



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				Local needs	Regional needs	National needs	Global needs	
		PO11	Project management and finance	Yes	Yes	Yes	Yes	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
		PO12	Life-long learning	Yes	Yes	Yes	Yes	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change
		Program Specific Outcomes (PSOs)						
		PSO1	Professional Skills	Yes	Yes	Yes	Yes	An ability to interpret the fundamental concepts and methodology of computer systems. To enhance skills among students to synthesize data and technical ideas for software design and development.
		PSO2	Problem Solving Skills	Yes	Yes	Yes	Yes	The ability to understand the structure and development methodologies of software systems. Possess knowledge of software design process using open-ended programming environments to deliver a quality product for business success
		PSO3	Successful career and entrepreneurship	Yes	Yes	Yes	Yes	The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur and a zest for higher studies.
8	B.E- Electronics and Communication Engineering	PO1	Engineering knowledge: An ability to relate the knowledge of mathematics, science and engineering, to practical real-world applications.	Yes	Yes	Yes	Yes	Solutions for the complex engineering problems can be obtained by using Testing software tools like Matlab, Xilinx, Cadence, arc., and hardware tools like Xilinx Spartan development boards.
		PO2	Problem analysis: An ability to identify, formulate and solve the engineering problems.	Yes	Yes	Yes	Yes	To inculcate the Critical thinking ability among the students, many courses are embedded with laboratory to have experimental learning.
		PO3	Design/development of solutions: An ability to produce the efficient system design and components design for various applications.	Yes	Yes	Yes	Yes	Assignments, Mini projects, Engineering clinics, Final year projects, Industrial internship/training are the components included in the curriculum to train the students in design and development of solutions for complex engineering problems.
		PO4	Conduct investigations of complex problems: An ability to conduct and investigate different experiments for analysis and synthesis purpose.	Yes	Yes	Yes	Yes	Students are motivated to undergo review of research papers to strengthen their work in Projects.

S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
		PO5	Modern tool usage: Excel in modern Engineering tools, Software's and other equipment's.	Yes	Yes	Yes	Yes	Students are encouraged to adapt to open source software's and latest hardware technologies to understand and offer solutions to the complex problems exist in the environment/society.
		PO6	The engineer and society: An understanding the Professional responsibility in this technological world.	Yes	Yes	Yes	Yes	Exposure to various project activities/field study allows the student to understand issues in various sectors and apply the engineering principles .
		PO7	Environment and sustainability: An ability to perceive the impact of Professional Engineering Solution in societal and Environmental contexts and demonstrate the knowledge of, and need for sustainable development.	Yes	Yes	Yes	Yes	The curriculum includes the components to inculcate knowledge on developing sustainable solutions for the societal and environmental problems.
		PO8	Ethics: An ability to apprehend, code of conduct and ethical responsibilities.	Yes	Yes	Yes	Yes	Curriculum includes professional ethics and Human excellence courses to inculcate ethics in the students professional and personal life.
		PO9	Individual and team work: An ability to work on multi-disciplinary task and team work.	Yes	Yes	Yes	Yes	Exposure to various project activities/field study allows the student to understand issues in various sectors and apply the engineering principles .
		PO10	Communication: Ability to write and communicate effectively in verbal, written form.	Yes	Yes	Yes	Yes	Curriculum components like engineering clinics, projects etc and Lab components are included to incorporate communication skills.
		PO11	Project management and finance: An understanding of Engineering Economics and Management principles to lead projects effectively.	Yes	Yes	Yes	Yes	Students are encouraged to work on projects in each semester to acquire the skills for project management.
		PO12	Life-long learning: An ability to develop confidence for self-education and for life-long learning.	Yes	Yes	Yes	Yes	To sustain in the competitive technological world, students are practiced to be a life long learner to abreast with the latest technological updation.
		Program Specific Outcomes (PSOs)						
		PSO1	An ability to apply the knowledge of mathematics, science and electronic fundamentals to find solutions for complex engineering problems in the design and development of systems in Analog and Digital electronics, VLSI Design, Embedded Systems, Communication, Signal Processing and other relevant domains.	Yes	Yes	Yes	Yes	Solutions for the complex engineering problems can be obtained by using Testing software tools like Matlab, Xilinx, Cadence, arc., and hardware tools like Xilinx Spartan development boards.
		PSO2	An ability to solve real world problems with optimal solutions using modern hardware and software tools in the domain of electronics and communication engineering.	Yes	Yes	Yes	Yes	Projects are fortified in Communication and signal & image processing domains, Industrial electronics, Robotics and developing real time applications using software's

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				Local needs	Regional needs	National needs	Global needs	
		PSO3	An ability to grasp the social-cognizance and environmental-wisdom with ethical responsibility to be an entrepreneur in a techno-savvy world by au courant with latest technologies.	Yes	Yes	Yes	Yes	Environmental Science courses, Professional ethics and human values, gender courses are made mandatory to make students about the importance of Social responsibilities
9	B.E-Electrical and Electronics Engineering	PO1	An ability to exhibit the knowledge of science, mathematics, communication and programming skills.	Yes	Yes	Yes	Yes	The knowledge of basic science, communication and programming skills like Python will enable the graduates to excel in the field of study.
		PO2	An ability to identify, formulate and analytically solve electrical engineering problems.	Yes	Yes	Yes	Yes	Skilled to develop the knowledge for analyzing the practical issues and able to give proper solution to the engineering problems.
		PO3	Demonstrate their ability in designing analog and digital systems and develop products and solutions.	Yes	Yes	Yes	Yes	It is possible to design and develop new products by applying the learnt course knowledge.
		PO4	An ability to investigate the complex problems in research and industry.	Yes	Yes	Yes	Yes	The learned knowledge will help in solving the future problems.
		PO5	Build the capability to use all current and future modern tools to analyze problems in global contexts.	Yes	Yes	Yes	Yes	Development of strong foundation in the course helps to solve the complex problems in all the circumstances.
		PO6	An ability to exhibit the knowledge to assess societal, health, safety, legal and cultural issues and the relevant responsibilities to the professional engineering practice.	Yes	Yes	Yes	Yes	The Professional engineering knowledge make the personalities to involve as well as to take charge of all kind of responsibilities around them.
		PO7	An ability to design electrical systems those are efficient, within realistic context such as economic, environmental, social, political, manufacturability and sustainability.	Yes	Yes	Yes	Yes	The electrical engineering knowledge provides the ability to design and implement an electrical system which is applicable to a practical environment in the way to improve the socio- economic level.
		PO8	Ability to impart holistic professional and ethical values.	Yes	Yes	Yes	Yes	Learning the professional course improves the personality and directs to follow the ethical values.
		PO9	To function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.	Yes	Yes	Yes	Yes	Learning the professional courses develops the inter-intra personality in the way to take up leadership initiatives.
		PO10	An ability to listen and communicate effectively in verbal and written form.	Yes	Yes	Yes	Yes	The professional education develops an efficient, fluent communication and verbal language.
		PO11	Ability to exhibit quality managerial skills in finance, economics and project management.	Yes	Yes	Yes	Yes	The professional education Develops the management skills in the finance, project and economy.

S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
		PO12	Competent enough for self study and for life-long learning in the broadest context of rapid technological changes.	Yes	Yes	Yes	Yes	The professional education helps to face the competitive world and to handle the technological changes.
		Program Specific Outcomes (PSOs)						
		PSO1	Skilled Professional in Electrical & Electronics Engineering: Ability to identify, formulate and solve real time problems by applying the knowledge acquired during the course of the program.	Yes	Yes	Yes	Yes	The Analytical skills developed will empower the individual to identify, formulate and solve real time problems.
		PSO2	Problem Solving Skills: Ability to understand the recent technological developments in Electrical & Electronics Engineering and to develop products/Software to cater the societal & Industrial needs.	Yes	Yes	Yes	Yes	Assimilating the latest technological developments in Electrical & Electronics Engineering and able to design and develop new products.
		PSO3	Successful Career: Ability to utilize the modern technologies in building innovative career paths for being a thriving entrepreneur and to have a zest for higher studies.	Yes	Yes	Yes	Yes	Better understanding of the recent technologies will drive into a ingenious career paths like outshining entrepreneurship or an excelling higher studies.
10	B.Tech., - Information Technology	PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems	Yes	Yes	Yes	Yes	Apply the knowledge of mathematics, Science and computing in the core information technologies
		PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences	Yes	Yes	Yes	Yes	Identify and analyze a problem and to apply principles of computing and other relevant disciplines to identify solutions.
		PO3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations	Yes	Yes	Yes	Yes	Identify and analyze complex computer systems and implement and interpret the results from those systems.
		PO4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions	Yes	Yes	Yes	Yes	Using research based knowledge and methods design new experiments, analyze, and interpret data to draw valid conclusions.

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				Local needs	Regional needs	National needs	Global needs	
		PO5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations	Yes	Yes	Yes	Yes	Use appropriate techniques and apply current technical concepts and modern tools in the core information technologies
		PO6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice	Yes	Yes	Yes	Yes	Understanding of Societal, Ethical, Legal and Security issues and responsibilities for the computing profession.
		PO7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development	Yes	Yes	Yes	Yes	Creating impact of the Computer / Information Technology solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.
		PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice	Yes	Yes	Yes	Yes	Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
		PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings	Yes	Yes	Yes	Yes	Communicate and engage effectively with diverse stakeholders. Function effectively on teams to accomplish a common goal and to manage projects
		PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions	Yes	Yes	Yes	Yes	Comprehend and write effective reports and design documentation and make effective presentations.
		PO11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments	Yes	Yes	Yes	Yes	Building strong interest in product development and management together with critical thinking skills, open mindedness, and a willingness to learn.
		PO12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change	Yes	Yes	Yes	Yes	Developing confidence for self-education and Engage in independent and life-long learning for continued professional development.
		Program Specific Outcomes (PSOs)						

S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
		PSO1	Professional Skills: Ability to identify, analyze, design, model, develop, test and manage complex software and information management systems	Yes	Yes	Yes	Yes	Identify, analyze and solve the real life problems by applying principles of complex software and information management systems with uniqueness
		PSO2	Web Designing Skill: Possess knowledge of software design process using open ended programming and to use the web designing skill to establish new solutions for the societal needs	Yes	Yes	Yes	Yes	Select and apply current techniques, skills, and tools necessary for computing practice and integrate IT-based solutions into the user environment effectively
		PSO3	Successful Career and Entrepreneurship: Capable of adapting to new technologies and constantly upgrade their skills with an attitude towards lifelong learning	Yes	Yes	Yes	Yes	Recognizing the need for and ability to engage in continuing professional development in the broad context of technological change
11	B.E- Mechanical Engineering	PO1	Engineering knowledge: An ability to apply knowledge of mathematics, science and engineering to real world applications.	Yes	Yes	Yes	Yes	Solutions for solving complex problems in mathematics, science and engineering by applying advanced techniques in an effective way.
		PO2	Problem analysis: An ability to identify, formulate, analyse and solve complex mechanical engineering problems.	Yes	Yes	Yes	Yes	Outcome to formulate, analyse and solve complex mechanical engineering problems with detailed analysis.
		PO3	Design/development of solutions: An ability to design mechanical engineering components, processes and create products or systems within economic, environmental, ethical and manufacturability constraints.	Yes	Yes	Yes	Yes	Achieve expert knowledge by design and developing mechanical engg. components, processes and products with the help of advanced software tools like CREO, Fusion 360 and analysing tools like Ansys, Hypermesh,etc.
		PO4	Conduct investigations of complex problems: An ability to visualize and work in the laboratory so as to interpret and analyze data to facilitate report.	Yes	Yes	Yes	Yes	showcase practical knowledge and applying it in real time applications in the outside world.
		PO5	Modern tool usage: An ability to demonstrate skills to use modern engineering tools, various mechanical software and equipments to analyze problems.	Yes	Yes	Yes	Yes	Empowered to use modern engineering tools with the help of advanced mechanical software tools and its applications.
		PO6	The engineer and society: An ability to understand the professional responsibility to access societal, health, safety and legal issues in this technological world.	Yes	Yes	Yes	Yes	Aware about social life and its impact on education and also concern about health and safety issues when arises.
		PO7	Environment and sustainability: An ability to perceive the impact of professional engineering solutions in societal and environmental contexts and demonstrate the knowledge needed for sustainable development.	Yes	Yes	Yes	Yes	Ability to handle professional engineering solutions that come in social life and to solve those effectively by addressing these issues in an ethical manner.
		PO8	Ethics: An ability to apprehend code of conduct and ethical responsibilities.	Yes	Yes	Yes	Yes	Implement code of conduct with responsibility.

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				Local needs	Regional needs	National needs	Global needs	
		PO9	Individual and team work: An ability to work as an individual, as a member or a leader in diverse teams and in multi-disciplinary task.	Yes	Yes	Yes	Yes	Develop an individual to work and solve high decisions with leadership qualities.
		PO10	Communication: An ability to communicate effectively through verbal, written and graphical forms.	Yes	Yes	Yes	Yes	Make expert in communication skills with reading and writing talents to deliver the best.
		PO11	Project management and finance: An ability to understand engineering economics and management principles to handle projects effectively.	Yes	Yes	Yes	Yes	Have additional skills in the field of economics and management and to handle the projects effectively.
		PO12	Life-long learning: An ability to develop confidence for self education and lifelong learning.	Yes	Yes	Yes	Yes	Improve and develop confidence for self education and life long learning without stopping the enthusiasm to learn.
		Program Specific Outcomes (PSOs)						
		PSO1	An ability to solicit the knowledge of mathematics, science and mechanical fundamental in the realm of Design, Production and Thermal fluid sciences to solve engineering problems utilizing sophisticated technology.	Yes	Yes	Yes	Yes	Command to learn and apply real time knowledge of mathematics, science and major topics of mechanical related concepts like Design, Production and Thermal fields up to its depth.
		PSO2	An ability to clutch societal realization to promulgate the organization through entrepreneurship for the advanced technophile world.	Yes	Yes	Yes	Yes	High knowledge to drive the organization with the help of gained talent on Entrepreneurship concepts and to lead the social life.
		PSO3	An ability to develop and implement new ideas on product design with the help of modern computer aided tools for ensuring best manufacturing practices.	Yes	Yes	Yes	Yes	Talent to design and develop about the products by applying computer aided tools which are applicable in manufacturing industries and ultimately to receive the high end product.
12	B.E- Electronics and Instrumentation Engineering	PO1	Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems	Yes	Yes	Yes	Yes	The knowledge of basic science, communication and basic programming skills will enable the graduates to excel in the field of engineering.
		PO2	Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences	Yes	Yes	Yes	Yes	Ability to develop the required knowledge for analyzing the practical issues and able to give proper solution to the engineering problems.

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				Local needs	Regional needs	National needs	Global needs	
		PO3	Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations	Yes	Yes	Yes	Yes	The knowledge acquired from the courses helps in developing new products which helps in the upliftment of the society.
		PO4	Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	Yes	Yes	Yes	Yes	With the available knowledge, analysis of the available date is performed in focus towards solving the future problems.
		PO5	Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations	Yes	Yes	Yes	Yes	Knowledge of the recent technological development helps the graduates to adapt in progressing environment.
		PO6	The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	Yes	Yes	Yes	Yes	The Professional engineering knowledge make the personalities to provide solution for societal issues and ensures a safe and sophisticated surroundings.
		PO7	Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development	Yes	Yes	Yes	Yes	The program knowledge provides the ability to ensure the design a system which is applicable to a practical environment in the way to improve the socio-economic level.
		PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice	Yes	Yes	Yes	Yes	Learning the professional course improves the personality and directs to follow the ethical values.
		PO9	Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings	Yes	Yes	Yes	Yes	Learning the professional courses develops the inter-intra personality in the way to take up leadership initiatives.
		PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions	Yes	Yes	Yes	Yes	The professional education develops an efficient, fluent communication and verbal language.

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S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
		PO11	Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments	Yes	Yes	Yes	Yes	The professional education Develops the management skills in the finance, project and economy.
		PO12	Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change	Yes	Yes	Yes	Yes	The professional education helps to face the competitive world and to handle the technological changes.
		Program Specific Outcomes (PSOs)						
		PSO1	Skilled Professional in Electronics & Instrumentation Systems: Graduate will have the ability to design and analyze measurement systems.	Yes	Yes	Yes	Yes	The Analytical skills developed will empower the individual to identify, formulate and solve real time problems.
		PSO2	Problem Solving Skills: Graduate will excel in industrial automation tools to expose their skills in various real world problems in automation field industries	Yes	Yes	Yes	Yes	Assimilating the latest technological developments in Electronics and Instrumentation Engineering and able to design and develop new products.
		PSO3	Successful Career: Graduate will have the ability to design and develop products through their projects in diversity fields like industrial automation, robotics, biomedical instrumentation, etc	Yes	Yes	Yes	Yes	Better understanding of the recent technologies will drive into a ingenious career paths like outshining entrepreneurship or an excelling higher studies.
13	M.E. Communication Systems	PO1	Scholarship of Knowledge: An ability to relate the proficiency of science and engineering fundamentals to solve complicated engineering issues.	Yes	Yes	Yes	Yes	Curriculum includes major thrust topics in the area of communication, Networking to analyze advanced engineering concepts.
		PO2	Critical Thinking: Develop a competence to identify, analyze and review engineering problems by providing an effective out-of-box ideas.	Yes	Yes	Yes	Yes	To increase the Critical thinking ability among the students, courses are integrated with labs and project based learning.
		PO3	Problem Solving: To develop a potential bookmarking design solutions for the problem that satisfy the public health, safety and environmental considerations.	Yes	Yes	Yes	Yes	Research paper writing with its publication, Assignments, Mini projects, Projects, Industrial internship/training are included in the curriculum to solve complex engineering problems.
		PO4	Research Skill: Amalgamate advanced engineering tools with research specific Hardware and software. Deriving data for unpredictable problems and provide valid conclusions	Yes	Yes	Yes	Yes	End Semester projects, Research paper writing with its publication in UGC care Journals, Industry Internship and courses/ workshops helps the student to develop skills to analyze new problems.

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S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
		PO5	Usage of modern tools: Paraphrasing responsibilities to become professionals with an understanding of its limitations	Yes	Yes	Yes	Yes	Students are encouraged to adapt to open source softwares and latest hardware technologies to understand and offer solutions to the complex problems exist in the environment/society
		PO6	Collaborative and Multidisciplinary work: Adhering to the day-to-day needs of the industrial requirements and technological advances in order to achieve common goals.	Yes	Yes	Yes	Yes	Exposure to various project activities/field study allows the student to understand issues in various sectors and apply the engineering principles to solve multidisciplinary problems.
		PO7	Project Management and Finance: To be disciplined in practical scenarios and follow ethical values required for the advancement of the community.	Yes	Yes	Yes	Yes	Students are encouraged to work on projects in each semester to acquire the skills for project management.
		PO8	Communication: To enhance the communication skills and to learn how to effectively communicate by upgrading the trends and development in technology.	Yes	Yes	Yes	Yes	Curriculum components such as Seminars, Group discussion, Mini projects, Paper presentation in conferences/ Journals, projects and Lab components are included to incorporate communication skills.
		PO9	Life-long Learning: To work as a team and find out an individual's potential and appreciate the ideas give forthwith.	Yes	Yes	Yes	Yes	To sustain in the competitive technological world, students are practiced to be a lifelong learner to abreast with the latest technological updation
		PO10	Ethical Practices and Social Responsibility: Adapting to procure confidence and intellectual skills in the field of advanced engineering	Yes	Yes	Yes	Yes	Research ethics are introduced to the students through the regular course work and insisted to follow ethics in paper publications and projects.
		PO11	Independent and Reflective Learning: To demonstrate the brand-new aspects of engineering and technology and to implement them on projects.	Yes	Yes	Yes	Yes	Individual projects are included in the curriculum to inculcate independent and reflective learning.
		Program Specific Outcomes (PSOs)						
		PSO1	Students are competent to identify and solve new research methodologies and cope up with industry-oriented ultimatum.	Yes	Yes	Yes	Yes	Real time research oriented projects are encouraged through internships in Government/ Non-Government Research Organizations and Core Industries
		PSO2	Students become professional and well-disciplined after adapting to the latest modern principles and emerge themselves towards a scintillating pioneering growth.	Yes	Yes	Yes	Yes	Students learn basic ethics and professionalism
		PSO3	A well competent and competitive spirit of encouragement towards the betterment of the society is achieved and their talents are recognized.	Yes	Yes	Yes	Yes	The Students are encouraged to participate in various Co-Curricular, Extra-Curricular activities such as sports, *Swachh Bharat* activities and such others for the betterment of society

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				Local needs	Regional needs	National needs	Global needs	
14	M.E. VLSI Design	PO1	Scholarship of Knowledge: An ability to relate the proficiency of science and engineering fundamentals to solve complicated engineering issues.	Yes	Yes	Yes	Yes	Curriculum includes major thrust topics in the area of communication, Networking to analyze advanced engineering concepts.
		PO2	Critical Thinking: Develop a competence to identify, analyze and review engineering problems by providing an effective out-of-box ideas.	Yes	Yes	Yes	Yes	To inculcate the Critical thinking ability among the students, courses are embedded with laboratory and project based learning to analyze the concepts.
		PO3	Problem Solving: To develop a potential bookmarking design solutions for the problem that satisfy the public health, safety and environmental considerations.	Yes	Yes	Yes	Yes	Assignments, Mini projects, Projects, Industrial internship/training are the components included in the curriculum to train the students in design and development of solutions for complex engineering problems.
		PO4	Research Skill: Amalgamate advanced engineering tools with research specific Hardware and software. Deriving data for unpredictable problems and provide valid conclusions	Yes	Yes	Yes	Yes	End Semester projects, Industry Intern ship and courses/ workshops on research methodology helps the student to develop skills to analyze new problems.
		PO5	Usage of modern tools: Paraphrasing responsibilities to become professionals with an understanding of its limitations	Yes	Yes	Yes	Yes	Students are encouraged to adapt to open source software's and latest hardware technologies to understand and offer solutions to the complex problems exist in the environment/society
		PO6	Collaborative and Multidisciplinary work: Adhering to the day-to-day needs of the industrial requirements and technological advances in order to achieve common goals.	Yes	Yes	Yes	Yes	Exposure to various project activities/field study allows the student to understand issues in various sectors and apply the engineering principles to solve multidisciplinary problems.
		PO7	Project Management and Finance: To be disciplined in practical scenarios and follow ethical values required for the advancement of the community.	Yes	Yes	Yes	Yes	Students are encouraged to work on projects in each semester to acquire the skills for project management.
		PO8	Communication: To enhance the communication skills and to learn how to effectively communicate by upgrading the trends and development in technology.	Yes	Yes	Yes	Yes	Curriculum components such as Seminars, Group discussion, Mini projects, Paper presentation in conferences/ Journals, projects and Lab components are included to incorporate communication skills.
		PO9	Life-long Learning To work as a team and find out an individual's potential and appreciate the ideas give forthwith.	Yes	Yes	Yes	Yes	To sustain in the competitive technological world, students are practiced to be a life long learner to abreast with the latest technological updation
		PO10	Ethical Practices and Social Responsibility: Adapting to procure confidence and intellectual skills in the field of advanced engineering	Yes	Yes	Yes	Yes	Research ethics are introduced to the students through the regular course work and insisted to follow ethics in paper publications and projects.

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				Local needs	Regional needs	National needs	Global needs	
		PO11	Independent and Reflective Learning: To demonstrate the brand-new aspects of engineering and technology and to implement them on projects.	Yes	Yes	Yes	Yes	Individual projects are included in the curriculum to inculcate independent and reflective learning.
		Program Specific Outcomes (PSOs)						
		PSO1	Students are competent to identify and solve new research methodologies and cope up with industry-oriented ultimatum.	Yes	Yes	Yes	Yes	Real time research oriented projects are encouraged through internships in Government/ Non-Government Research Organizations and Core Industries
		PSO2	Students become professional and well-disciplined after adapting to the latest modern principles and emerge themselves towards a scintillating pioneering growth.	Yes	Yes	Yes	Yes	Students learn basic ethics and professionalism
		PSO3	A well competent and competitive spirit of encouragement towards the betterment of the society is achieved and their talents are recognized.	Yes	Yes	Yes	Yes	The Students are encouraged to participate in various Co-Curricular, Extra-Curricular activities such as sports, *Swachh Bharat* activities and such others for the betterment of society
15	M.E- Power Systems Engineering	PO1	An ability to exhibit the knowledge of science, mathematics, communication and programming skills.	Yes	Yes	Yes	Yes	The knowledge of basic science, communication and programming skills like Matlab, pspice will enable the post graduates to excel in the field of study.
		PO2	An ability to identify, formulate and analytically solve electrical engineering problems.	Yes	Yes	Yes	Yes	Skilled to develop the knowledge for analyzing the practical issues and able to give proper solution to the engineering problems.
		PO3	Demonstrate their ability in designing analog and digital systems and develop products and solutions.	Yes	Yes	Yes	Yes	It is possible to design and develop new products by applying the learnt course knowledge.
		PO4	An ability to investigate the complex problems in research and industry.	Yes	Yes	Yes	Yes	The learned knowledge will help in solving the future problems.
		PO5	Build the capability to use all current and future modern tools to analyze problems in global contexts.	Yes	Yes	Yes	Yes	Development of strong foundation in the course helps to solve the complex problems in all the circumstances.
		PO6	An ability to exhibit the knowledge to assess societal, health, safety, legal and cultural issues and the relevant responsibilities to the professional engineering practice.	Yes	Yes	Yes	Yes	The Professional engineering knowledge make the personalities to involve as well as to take charge of all kind of responsibilities around them.
		PO7	An ability to design electrical systems those are efficient, within realistic context such as economic, environmental, social, political, manufacturability and sustainability.	Yes	Yes	Yes	Yes	The knowledge obtained from Power systems engineering provides the ability to design and implement an electrical system which is applicable to a practical environment in the way to improve the socio- economic level.

S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
		PO8	Ability to impart holistic professional and ethical values.	Yes	Yes	Yes	Yes	Learning the professional course improves the personality and directs to follow the ethical values.
		PO9	To function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.	Yes	Yes	Yes	Yes	Learning the professional courses develops the inter-intra personality in the way to take up leadership initiatives.
		PO10	An ability to listen and communicate effectively in verbal and written form.	Yes	Yes	Yes	Yes	The professional education develops an efficient, fluent communication and verbal language.
		PO11	Ability to exhibit quality managerial skills in finance, economics and project management.	Yes	Yes	Yes	Yes	The professional education Develops the management skills in the finance, project and economy.
		PO12	Competent enough for self study and for life-long learning in the broadest context of rapid technological changes.	Yes	Yes	Yes	Yes	The professional education helps to face the competitive world and to handle the technological changes.
		Program Specific Outcomes (PSOs)						
		PSO1	Skilled Professional in Power Systems Engineering: Ability to identify, formulate and solve real time problems by applying the knowledge acquired during the course of the program.	Yes	Yes	Yes	Yes	The Analytical skills developed will empower the individual to identify, formulate and solve real time problems.
		PSO2	Problem Solving Skills: Ability to understand the recent technological developments in Power Systems Engineering and to develop products/software to cater the societal & Industrial needs.	Yes	Yes	Yes	Yes	Assimilating the latest technological developments in Power Systems Engineering and able to design and develop new products.
		PSO3	Successful Career: Ability to utilize the modern technologies in building innovative career paths for being a thriving entrepreneur and to have a successful career.	Yes	Yes	Yes	Yes	Better understanding of the recent technologies will drive into a ingenious career paths like outshining entrepreneurship.
16	Master of Business Administration	PO1	Post graduate students will be able to acquire in-depth knowledge of Management discipline, including wider and global perspectives, with an ability to discriminate, evaluate, analyze and synthesize existing and new knowledge, and integration of the same for enhancement of knowledge.	Yes	Yes	Yes	Yes	Solutions for Academic result & International global, Local, National reach through enhancing the management skills

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S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
		PO2	Post graduate students will be able to analyze complex business problems critically, apply independent judgment for synthesizing information to make intellectual and/or creative advances for conducting research in a wider theoretical, practical and policy context.	Yes	Yes	Yes	Yes	Solutions for Research and Innovation by basis of theoretical and practical implementation of business problems
		PO3	Post graduate students will be able to think laterally and originally, conceptualize and solve managerial problems, evaluate a wide range of potential solutions for those problems and arrive at feasible, optimal solutions after considering public health and safety, cultural, societal and environmental factors in the core areas of expertise at the national and international levels.	Yes	Yes	Yes	Yes	Supports in International, global reach, Local and national reach by solving conceptual and managerial problems
		PO4	Post graduate students will be able to extract information pertinent to unfamiliar industry issues through literature survey and experiments, apply appropriate research methodologies, techniques and tools, design, conduct survey, analyze and interpret data, demonstrate higher order skill and view things in a broader perspective, submit a report about the study in management.	Yes	Yes	Yes	Yes	Supports in Practical managerial analytical skills, & Industry interaction
		PO5	Post Graduate students will demonstrate ability to understand management in multifunctional areas like Marketing, Finance, HR, Business Analytics and Supply Chain Management. Also they will be able to demonstrate ability to understand and derive meaningful inferences about organizational performance.	Yes	Yes	Yes	Yes	Supports in Functional Specialization by being specialized in a particular flied like HR, Finance, Operation, System
		PO6	Post graduates will possess knowledge and understanding of group dynamics, recognize opportunities and contribute positively to collaborative-multidisciplinary management research, demonstrate a capacity for self-management and teamwork, decision-making based on open-mindedness, objectivity and rational analysis in order to achieve common goals and further the learning of themselves as well as others.	Yes	Yes	Yes	Yes	Supports in Team Work by learning effect way of building team and stages in team and taking them to success

S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
		PO7	Postgraduates will demonstrate knowledge and understanding of management principles and apply the same to one's own work, as a member and leader in a team, manage projects in the work environment efficiently in respective disciplines and multidisciplinary environments after considering the economic and financial factors.	Yes	Yes	Yes	Yes	Solution for Industry interaction with industrial learning and its stability
		PO8	Postgraduates will communicate with the managerial community and with society at large, regarding complex managerial activities confidently and effectively, such as, being able to comprehend and write effective reports and design documentation by adhering to appropriate standards, make effective presentations, and give and receive clear instructions. Also they will demonstrate an ability to communicate effectively, both in writing and orally	Yes	Yes	Yes	Yes	Solution for Speaking and Writing skills with support of executive and written way of communication
		PO9	Post-graduates will recognize the need for, and have the preparation and ability to engage in life-long learning independently, with a high level of enthusiasm and commitment to improve knowledge and competence continuously.	Yes	Yes	Yes	Yes	Support in the Continuing education awareness of current happening in the business environment and markets
		PO10	Postgraduates will acquire professional and intellectual integrity, professional code of conduct, ethics of research and scholarship, consideration of the impact of research outcomes on professional practices and an understanding of responsibility to contribute to the community for sustainable development of society.	Yes	Yes	Yes	Yes	Solution for Values, ethics, professional integrity and contribution to society
		PO11	Postgraduates will observe and examine critically the outcomes of one's actions and make corrective measures subsequently, and learn from mistakes without depending on external feedback	Yes	Yes	Yes	Yes	Supports in Independent and Reflective Learning through theoretical and case study way
		PO12	Postgraduates will identify a timely opportunity and using business innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.	Yes	Yes	Yes	Yes	Solution for the Successful career, immediate employment & entrepreneurship growth in society
		Program Specific Outcomes (PSOs)						

S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
		PSO1	An ability to interpret the concepts and methodology of business administration. To enhance skills among students to synthesize management ideas for their administration and skill development.	Yes	Yes	Yes	Yes	Solution for the Professional Skills in the Current environment
		PSO2	The ability to understand the organizational structure. Possess knowledge of management functional areas to deliver a quality service for business success.	Yes	Yes	Yes	Yes	Solution for Problem Solving Skills with optimization techniques and statistical way
		PSO3	The ability to employ modern managerial skills and platforms in creating innovative career paths to be an entrepreneur.	Yes	Yes	Yes	Yes	Solution for the Successful career and entrepreneurship in the Current environment
17	Master of Computer Applications	PO1	Apply the knowledge of mathematics and computing fundamentals to various real life applications for any given requirement	Yes	Yes	Yes	Yes	Solution for applying mathematical and fundamental of computing
		PO2	Design and develop applications to analyze and solve all computer science related problems.	No	No	Yes	Yes	Implementing algorithm, technical skills which leads to the design and development of an applications.
		PO3	Design applications for any desired needs with appropriate considerations for anyspecific need on social and environmental aspects	Yes	Yes	Yes	No	Enrich knowledge in designing an application based on the types of applications such as console, windows, web and mobile applications.
		PO4	Analyze and review literatures to invoke the research skills to design, interpret and make inferences from the resulting data	No	No	Yes	Yes	Research Skills in analyze various application using Machine Learning
		PO5	Integrate and apply efficiently the contemporary IT tools to all computer applications	No	No	Yes	Yes	Tools to design and develop various application such as Visual Studio, Android Studio, Code to meet the requirements of Information Technology
		PO6	Solve and work with a professional context pertaining to ethics, social, cultural and cyber regulations	Yes	Yes	Yes	Yes	Professional Communication skills in terms of theory as well as practical knowledge based on Business process or organizational behavior
		PO7	Involve in perennial learning for a continued career development and progress as a computer professional	No	No	No	Yes	Career development based on the technical skills and soft skills to improve their progress.
		PO8	Function effectively both as a team leader and team member on multi-disciplinary projects to demonstrate computing and management skills	Yes	Yes	Yes	NO	Skills like Human Resource Management, Soft skill, Organizational Behavior provide a effective functionalities.
		PO9	Communicate effectively and present technical information in oral and written reports	Yes	Yes	Yes	Yes	Implement Effective Communication skill, report writing and employability skills to enhance their technical skills.

S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
		PO10	Utilize the computing knowledge efficiently in projects with concern for societal, environmental, and cultural aspects	Yes	Yes	NO	No	Provided Project work to compute their technical skills based on the local, regional level projects
		PO11	Function competently as an individual and as a leader in multidisciplinary projects and create a path to be an entrepreneur	Yes	Yes	Yes	Yes	Enhance the knowledge in create a business based on organizational behavior, business process and skills related to entrepreneur
		PO12	Create and design innovative methodologies to solve complex problems for the betterment of the society	Yes	Yes	Yes	Yes	Methodologies using Agile were implemented in project work to enhance their creative and innovative design
		Program Specific Outcomes (PSOs)						
		PSO1	Programming Skills: Ability to understand, analyze and develop an application based on multidisciplinary tools, technology, and language to meet the industry's requirements.	No	No	Yes	Yes	Provide a solution to enhance their technical skills based on console, window, web and mobile applications
		PSO2	Professional Skills: Ability to enhance the student's professional skills in terms of individual or teamwork related to IT industries	Yes	No	Yes	Yes	Implement the team work to develop their profession skills with individual to enhance their career
		PSO3	Entrepreneurship: Ability to enhance their knowledge and create an innovative path to being an entrepreneur	Yes	Yes	Yes	Yes	To be an effective career path in creating a business based on the skills related to entrepreneur
18	M.E-Engineering Design	PO1	Engineering knowledge: An ability to apply knowledge of mathematics, science and engineering to real world applications.	Yes	Yes	Yes	Yes	Solutions for solving complex problems in mathematics, science and engineering by applying advanced techniques in an effective way.
		PO2	Problem analysis: An ability to identify, formulate, analyse and solve complex mechanical engineering problems.	Yes	Yes	Yes	Yes	Outcome to formulate, analyse and solve complex mechanical engineering problems with detailed analysis.
		PO3	Design/development of solutions: An ability to design mechanical engineering components, processes and create products or systems within economic, environmental, ethical and manufacturability constraints.	Yes	Yes	Yes	Yes	Achieve expert knowledge by design and developing mechanical engg components, processes and products with the help of advanced software tools like CREO, Fusion 360 and analysing tools like Ansys, Hyper mesh, etc.
		PO4	Conduct investigations of complex problems: An ability to visualize and work in the laboratory so as to interpret and analyze data to facilitate report.	Yes	Yes	Yes	Yes	showcase practical knowledge and applying it in real time applications in the outside world.
		PO5	Modern tool usage: An ability to demonstrate skills to use modern engineering tools, various mechanical software and equipments to analyze problems.	Yes	Yes	Yes	Yes	Empowered to use modern engineering tools with the help of advanced mechanical software tools and its applications.

S.No	Programme Name	Program Outcome Statements		POs & PSOs-Relevance				Description
				Local needs	Regional needs	National needs	Global needs	
		PO6	The engineer and society: An ability to understand the professional responsibility to access societal, health, safety and legal issues in this technological world.	Yes	Yes	Yes	Yes	Aware about social life and its impact on education and also concern about health and safety issues when arises.
		PO7	Environment and sustainability: An ability to perceive the impact of professional engineering solutions in societal and environmental contexts and demonstrate the knowledge needed for sustainable development.	Yes	Yes	Yes	Yes	Ability to handle professional engineering solutions that come in social life and to solve those effectively by addressing these issues in an ethical manner.
		PO8	Ethics: An ability to apprehend code of conduct and ethical responsibilities.	Yes	Yes	Yes	Yes	Implement code of conduct with responsibility.
		PO9	Individual and team work: An ability to work as an individual, as a member or a leader in diverse teams and in multi-disciplinary task.	Yes	Yes	Yes	Yes	Develop an individual to work and solve high decisions with leadership qualities.
		PO10	Communication: An ability to communicate effectively through verbal, written and graphical forms.	Yes	Yes	Yes	Yes	Make expert in communication skills with reading and writing talents to deliver the best.
		PO11	Project management and finance: An ability to understand engineering economics and management principles to handle projects effectively.	Yes	Yes	Yes	Yes	Have additional skills in the field of economics and management and to handle the projects effectively.
		PO12	Life-long learning: An ability to develop confidence for self education and lifelong learning.	Yes	Yes	Yes	Yes	Improve and develop confidence for self education and life long learning without stopping the enthusiasm to learn.
		Program Specific Outcomes (PSOs)						
		PSO1	An ability to solicit the knowledge of mathematics, science and mechanical fundamental in the realm of Design, Production and Thermal fluid sciences to solve engineering problems utilizing sophisticated technology.	Yes	Yes	Yes	Yes	Command to learn and apply real time knowledge of mathematics, science and major topics of mechanical related concepts like Design, Production and Thermal fields up to its depth.
		PSO2	An ability to clutch societal realization to promulgate the organization through entrepreneurship for the advanced technophile world.	Yes	Yes	Yes	Yes	High knowledge to drive the organization with the help of gained talent on Entrepreneurship concepts and to lead the social life.
		PSO3	An ability to develop and implement new ideas on product design with the help of modern computer aided tools for ensuring best manufacturing practices.	Yes	Yes	Yes	Yes	Talent to design and develop about the products by applying computer aided tools which are applicable in manufacturing industries and ultimately to receive the high end product.

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