DEPARTMENT OF CSE-DATA SCIENCE

VISION

To achieve the yearnings of arising architects to accomplish worldwide knowledge by acquiring figuring and plan capacities through correspondence that raise them to address the issues of industry, economy, society, ecological and worldwide.

MISSION

- To give the satiate of-the craftsmanship offices to fashion the understudies in industry-prepared in Data Science
- To cultivate the intelligence of creativity and innovation for various socio-economic related applications useful for increasing the productivity.
- To encourage alliance with the apparent industries to have the best of all careers.
- To empower graduates as novel entrepreneurs.

PSO'S (PROGRAM SPECIFIC OUTCOMES)

PSO-1: Professional Skills: The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer based systems of varying complexity.

PSO-2: Successful Career and Entrepreneurship: 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/employability in the field of Computer Science & Engineering.

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PEO'S (PROGRAM EDUCATIONAL OBJECTIVES)

PEO 1 : To provide the graduates with solid foundation in Computer Science and Engineering along with the fundamentals of Mathematics and Sciences with a view to impart in them high quality technical skills like modelling, analysing, designing, programming and implementation with global competence and helps the graduates for life-long learning.

PEO 2 : To prepare and motivate graduates with recent technological developments related to core subjects like Programming, Databases, Design of Compilers and Network Security aspects and future technologies so as to contribute effectively for Research & Development by participating in professional activities like publishing and seeking copy rights.

PEO 3 : To train graduates to choose a decent career option either in high degree of employability/Entrepreneur or, in higher education by empowering students with ethical administrative acumen, ability to handle critical situations and training to excel in competitive examinations.

PEO 4 : To train the graduates to have basic interpersonal skills and sense of social responsibility that paves them a way to become good team members and leaders.

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DEPARTMENT OF CSE-AI &ML

VISION

To produce high potential Artificial Intelligence and Machine Learning Professionals with Global Standards who can handle the challenges of the society and industry with their innovations and services.

MISSION

- To impart high quality education with effective teaching and learning process.
- To provide a dynamic, innovative, and flexible curriculum which equips the students with AI problem-driven skills to strengthen their career, pursue higher studies and to enable them to be industry ready.
- To foster inquisitive-driven research among students and staff to reinforce domain knowledge in addressing contemporary societal issues.
- To inculcate professional ethics and human values in handling the engineering challenges.
- To shape the department into a center of academic and research excellence

PSO'S (PROGRAM SPECIFIC OUTCOMES)

PSO-1: Professional Skills: The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying complexity.

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PSO-2: Successful Career and Entrepreneurship: 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/employability in the field of Computer Science & Engineering.

PEO'S (PROGRAM EDUCATIONAL OBJECTIVES)

PEO 1 : To provide the graduates with solid foundation in Computer Science and Engineering along with the fundamentals of Mathematics and Sciences with a view to impart in them high quality technical skills like modelling, analysing, designing, programming and implementation with global competence and helps the graduates for life-long learning.

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DEPARTMENT OF CIVIL ENGINEERING

VISION

The vision of the Civil Engineering Department is to become a technical Hub with global standards through continuous and sustainable improvement.

Carving the youth as dynamic, competent, valued and knowledgeable Civil Engineers.

MISSION

- Civil Engineering Department of UCET is committed to providing quality technical education and professional training in civil Engineering to make students employable and to contribute better to the well being of the society.
- Civil Engineering Department posses the state of the art infrastructure facilities, Quality Education by expertised staff fulfilling the dreams of students hailing from both urban and rural areas.

PSO'S (PROGRAMME SPECIFIC OBJECTIVES)

PSO1: Familiarize civil engineering components and systems.

PSO 2: Design and conduct experiments, analyse and interpret data.

PSO 3: Solve problems in the structural, construction management, hydraulics, geotechnical, transportation and environmental disciplines of Civil Engineering.

PSO 4: Function effectively in multi-disciplinary teams.

PEO'S (PROGRAMME EDUCATIONAL OBJECTIVES)

PEO 1: Students work effectively as a civil engineering professional in industry, government or other organizations-designing, improving, leading, and implementing effective civil engineering practice.

PEO 2: Students explore and apply the modern engineering tools for planning, design, execution and maintenance of works that is technically viable economically and socially acceptable.

PEO 3: Acquire a position or degree that values adaptability and innovation in their work.

PEO 4: Pursue lifelong learning, and to be leaders, both in their chosen profession and in other activities.

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VISION

The vision of the Civil Engineering Department is to become a technical Hub with global standards through continuous and sustainable improvement.

Carving the youth as dynamic, competent, valued and knowledgeable Civil Engineers.

MISSION

- Civil Engineering Department of UCET is committed to providing quality technical education and professional training in civil Engineering to make students employable and to contribute better to the well being of the society.
- Civil Engineering Department posses the state of the art infrastructure facilities, Quality Education by expertised staff fulfilling the dreams of students hailing from both urban and rural areas.

PSO'S (PROGRAMME SPECIFIC OBJECTIVES)

PSO1: Students will be able to Design up to date power system components to meet the recognized needs within economical and environmental constraints.

PSO2: Students will be able to Design, simulation, fabrication and testing of power switching devices, electrical drives and their control for industrial and research applications.

PSO3: Students will be able to succeed in executing software applications related to Electrical and Electronics, to serve the industry by taking up and leading the project groups and able to pursue higher studies.

PEO'S (PROGRAMME EDUCATIONAL OBJECTIVES)

PEO1: To prepare students with a strong foundation in basic sciences, mathematics and electrical engineering for productive engineering careers and enable them to pursue higher studies.

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PEO2: To equip the students with good analytical and design capabilities to solve present day electrical engineering problems and to realize the necessity of life-long learning to excel in their professional careers.

PEO3: To produce the students with strong communication skills and to foster the ability to work in multidisciplinary teams with a sense of environmental awareness, professional and ethical values.

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DEPARTMENT OF MECHANICAL ENGNEERING

VISION

To impart futuristic technical education through dedicated staff and set a global standard by making students, technologically superior, disciplined and ethically strong who will improve the life of human being.

MISSION

To educate students from all over India to compete internationally, with creative and practical knowledge for meeting the needs of society in the fields of Mechanical Engineering

PEO'S (PROGRAMME EDUCATIONAL OBJECTIVES)

PEO 1:- educate students to meet the needs of society by engaging in professional or civic communities.

PEO 2:- To inculcate values & ethics, leadership and team work skills, bring holistic development of personality and to promote entrepreneurial thinking among students.

PEO 3:- To acquire new knowledge and expertise through professional development opportunities or advanced education.

PSO'S (PROGRAMME SPECIFIC OBJECTIVES)

PSO1: An ability to work on projects at different places towards mechanical and environmental systems to meet the needs of society that are sustainable.

PSO2: Ability to Develop and implement new ideas on product design and development with the help of modern computer aided tools, while ensuring best manufacturing practices

PSO3: Qualifying the students in national level competitive examinations for successful higher studies and employment..

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VISION

To create globally competent with technical knowledge professional with socio-ethical values in the field of engineering, imparting excellent teaching, research environment, collaborative activities and techno-services for real world applications

MISSION

- To educate and empower the students with latest trends in electronics and communication engineering to meet the growing real world challenges.
- To achieve academic excellence through innovative teaching and learning methodologies
- To inculcate professional ethics and morals in preparing responsible citizens
- To carry out research and development and collaborative activities.

PSO'S (PROGRAMME SPECIFIC OBJECTIVES)

PSO1: The ECE Graduates will be able to apply engineering knowledge for system and architecture level design and implementation of projects pertaining to electronics design, signal processing and Communications.

PSO2: The ECE Graduates will be equipped with knowledge of complete design flow from specification to silicon in areas of both digital and analog VLSI Design and will be able to work in IC Design and verification companies.

PSO3: The ECE Graduates will be equipped with microprocessor and microcontroller based system design skills and can work as design and verification engineers in the area of Embedded Systems Design and Robotics.

PEO'S (PROGRAMME EDUCATIONAL OBJECTIVES)

PEO1: To acquire cognizant fundamental knowledge in the subjects like engineering mathematics, physics & chemistry and basic engineering.

PEO2: To impart technical knowledge using modern tools, new technologies and MOU's with Industries in order to design and develop products for societal needs.

PEO3: To develop leadership qualities and ability to work effectively in teams in diverse professions of varied technical/non technical services.

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PEO4: To inculcate research aptitude so as to engage in lifelong learning with ethical and holistic attitude.

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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

VISION

To achieve center of excellence in computer science and engineering and to produce competent professionals with sound technical knowledge, research skills and values to address current and future challenges of the industry.

MISSION

- To providing a strong theoretical and practical background across the computer science discipline with an emphasis on problem solving and programming skills.
- To inculcating discipline, ethical values, innovative research capabilities, teamwork and leadership abilities in young minds to continuous learning to professional growth.
- To expose the students to cutting edge technologies which enhance their employability and knowledge?
- To promote research through state-of-the-art facilities, interaction with the industry and facilitate the faculty to keep track of latest development in their research areas.

PSO'S (PROGRAMME SPECIFIC OBJECTIVES)

PSO1: An ability to apply design and development principles in the construction of software and hardware systems of varying complexity (software hardware interface).

PSO2: An ability to recognize the importance of professional development by pursuing postgraduate studies or face competitive examinations that offer challenging and rewarding careers in computing (successful career and immediate employment).

PSO3: An ability to enhance technical knowledge in various domain to identify research gaps and hence to provide solution to new ideas and innovation in the field of real time software sector (IT).

PEO'S (PROGRAMME EDUCATIONAL OBJECTIVES)

PEO1: Achieve the understanding of the basics and emerging techniques of a broad range of computer science and engineering concepts.

PEO2: Gain the knowledge to analyze and solve computer science and engineering problems through application of fundamental knowledge of mathematics, science, and engineering.

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PEO3: Learn to apply modern skills, techniques, and engineering tools to create computational systems.

PEO4: To be able to adapt to the evolving technical challenges and changing career opportunities.

PEO5: Learn to effectively communicate ideas in oral, written, or graphical form and to promote collaboration with other members of engineering teams.

PEO6: Acquire background in humanities and social sciences required to be effective engineers, leaders, and citizens.

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VISION

To be a Valued and Preferred Choice for pursuing Business Management Studies and Generate Competent Management Professionals to become part of the Industry at National and International level.

MISSION

- Foster excellence by providing the Quality education in Business Management.
- Cultivating the principles of Social Responsibility, Ethics and Spiritual Values among budding managers.
- Developing capable Business and Community leaders.
- To promote self employment through Entrepreneurship.
- To sensitize the students towards work ethics and social responsibility.

PSO'S (PROGRAMME SPECIFIC OBJECTIVES)

PSO 1: To guide and channelize the transformation process of every management graduate by providing in-depth knowledge of business management and entrepreneurship embedded with ethics and a sense of social commitment and to make them to strive towards personal victory and value creation to society.

PSO 2: To ignite a passion for multidisciplinary approach for problem solving, critical analysis and decision making.

PSO 3: Develop the students into effective leaders and administrators ready to face the challenges of corporate world.

PEO'S (PROGRAMME EDUCATIONAL OBJECTIVES)

PEO1: To equip students with excellent academic environment to demonstrate high levels of communication skills, creativity, critical thinking, responsibility, teamwork and leadership in their career.

PEO2: To enable students to apply management principles and practices for a successful career in the corporate world.

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PEO3: To solve complex business problems and to develop leadership skills to handle business uncertainties and crisis with a rational approach.

PEO4: To create managers to understand national as well as international business environment and to assimilate updated information.

PEO5: To engage in citizen social responsibility, to value social commitments and to engage in lifelong learning.

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