

COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur-631203, Tiruvallur TK & DT Approved by AICTE New Delhi & Affiliated to Anna University, Chennai

(A Telugu Minority Institution)

VISION AND MISSION



COLLEGE OF ENGINEERING AND TECHNOLOGY

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Institution Vision & Mission

Vision:

Lead the transformation of Engineering and Technology education into creating innovators and entrepreneurs to serve the betterment of the society.

Mission:

- ➤ To provide requisite infrastructure and stimulating environment for most conducive learning.
- > To develop the next generation leaders through excellence in teaching and learning, and inspiring scientific curiosity in them to meet the global challenges.
- > To instill ethics, values, and life skills to meet societal demands.
- > To produce competent professionals with the practical skills necessary to excel as innovative professionals and entrepreneurs for the benefit of society.
- > To establish fruitful collaboration between institute and industry for research and development in new disciplines as well as to provide employment opportunities.



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Department of Science and Humanities

Vision

To build a strong foundation to the younger generation in helping them to discover their talents through dedicated teaching and innovative instructional methods.

Mission

- > To provide the learning environment to enhance their basic Science and Engineering
- > To afford a high level of competence in education.
- To teach ethics, values and life skills to meet the social demands.

Sri Venkateswara College of Engineering and Technology, 7 :vallur - 631 203.



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Department of Master Computer Application

Vision:

Our goal is to establish ourselves as a renowned institution in the realm of Computer Applications. We aim to cultivate talented and socially conscious professionals who possess the necessary skills to make a meaningful impact in the industry.

Mission:

- > To provide individuals with up-to-date computer and IT technical skills necessary to navigate current industry trends and tackle future challenges.
- ➤ To provide advanced proficiency and instill a positive mindset for achieving success in the realm of computer applications.
- To impart advanced skills and cultivate a constructive attitude towards attaining success in the field of computer applications.
- > To improve one's technical expertise by incorporating effective teaching and learning techniques.

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Department of Management Studies

VISION:

To create an environment for intellectual vitality while integrating the research and global management practices aiming at developing globally innovative, competitive, tech-savvy and transformational leaders having the concern to cater the needs of society.

MISSION:

- > To develop and implement a teaching, learning process which facilitates students to build their competency in order to become globally competitive managers.
- > To develop a long term alliance with alumni, industry, R&D organizations and leading universities across the world for creating an environment of excellence.
- > To provide ample research opportunities to faculty and students so as to stimulate them to apply knowledge acquired in different domains.
- To provide various expertise knowledge to the students for making creative and innovative projects which helps for the betterment of society.
- > To provide activities related to the enhancement of the students' performance in order to make them as the best leaders, professionals and best managers who serve for the environment and society.

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Department of Electronics & Communication Engineering

Vision:

The vision of the ECE department is to become pioneers in higher learning and research and to produce creative solutions to societal needs.

Mission:

- > To provide excellence in education, research and public service.
- > To provide quality education and to make the students entrepreneur and employable.
- > Continuous upgradation of techniques for reaching heights of excellence in a global.
- > Establish a unique learning environment to enable the students to face the challenges of the Electronics and Communication Engineering field.
- > Promote the establishment of centers of excellence in niche technology areas to nurture the spirit of innovation and creativity among faculty and students.
- > Provide ethical and value based education by promoting activities addressing societal needs.
- ➤ Enable students to develop skills to solve complex technological problems of current times and also provide a framework for promoting collaborative and multidisciplinary activities.





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Department of Civil Engineering

VISION

The Department of Civil Engineering provides comprehensive teaching, and consultancy services that equip our students with the technical knowledge and professional skills required for the practice of Civil Engineering.

MISSION

The Department of Civil Engineering offers technical advancement by

- ➤ Providing a deep understanding of materials, structures, and systems to create safe and efficient buildings, bridges, and roads.
- ➤ Providing interactive teaching methods to encourage critical thinking and problem-solving skills.
- ➤ Engaging partnerships with other academic institutions, government agencies, and industry stakeholders to share expertise, resources, and knowledge.
- ➤ Providing internships, in-plant training, and other forms of experiential learning that give students real-world experience and practical skills that they can use in their future careers.
- ➤ Creating a skilled and productive workforce that drives innovation and growth in the field of civil engineering.

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Department of Electrical and Electronics Engineering

VISION:

To be a leader in electrical and electronics engineering education and training by producing globally competent graduates who excel in their chosen careers and are successfully involved in innovative research and entrepreneurship with a strong commitment towards societal development.

MISSION:

- > To provide them with good knowledge in engineering technologies.
- To enhance their knowledge and thoughts Research.
- To make them understand about the importance of engineering technology in today's world and to be a global competence.
- > To educate them about social and human values.
- To make them understand how to be creative and innovative engineers.

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Department of Mechanical Engineering

VISION:

As a premier zone of excellence in Mechanical Engineering, we will combine teaching, and learning to provide ethically perfect professionals and technical education for the benefit of society.

MISSION:

- > To determine each mechanical student's fundamental strength in mechanical engineering by providing them with a comprehensive understanding of a variety of key engineering courses.
- To develop our students' creative thinking and foster leadership and teamwork through a variety of curriculum-based projects.
- > To make diversity, equity, health, and inclusion a top priority in order to foster a friendly and inclusive atmosphere that develops individuals who are socially conscious





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Department of Computer Science & Engineering

VISION:

To emerge as a world class technology in the department of Computer Engineering through education, innovation and collaborative research.

MISSION:

- > To impart quality education to students.
- > To create and disseminate knowledge for the betterment of mankind.
- > To establish a center of excellence in collaboration with industries, research laboratories and other agencies.
- > To meet the changing needs of society.
- > To provide individual attention and enable character building.

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Department of Information Technology

Vision

To provide leading Technologies in Information Technology & Computer Science fields to our graduates to be globally recognized as innovative computing professionals.

Mission

- The Department of Information Technology is dedicated to produce Software

 Engineers with basic knowledge in math develop problem solving skills necessary for the career advancement in Computer Science / IT & allied disciplines, and practice.
- ➤ Produce engineers with a strong practical and theoretical exposure in the relevant disciplines, who are able to contribute to society through innovation enterprise and leadership.
- Nurture engineer with a global outlook and to provide technological leadership through necessary technical tools.

➤ Produce engineers with teamwork, communication and interpersonal skill.

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Department of Cyber Security

Vision:

To make our department as a centre of Excellence of academic and human resources in Cyber Security domain and use different security-based tools to promote cyber awareness, cyber safety.

Mission:

- ➤ To be one of the excellent standards of quality education in Cyber Security with rapidly changing modern technologies, research.
- The mission of the Cyber Security is to reduce risks to the digital assets of our Nation.
- > To showcase to industry the environment and skills of students who are a part of the research center.
- > To provide a platform for industry to train their employees in cyber security.
- > To assist industry and Government in cyber forensics.

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Department of AI & ML

Vision

To be globally recognized in the field of Artificial Intelligence and Machine Learning by producing competent professionals and by undertaking applied research for the benefit of the society.

Mission

- ➤ To establish an essential environment with required infrastructure and faculty for imparting domain knowledge.
- ➤ To bring out the competent and industry ready students by practicing theoretical aspects with experiential Learning.
- ➤ To prepare the students with holistic personality by means of appropriate technical and communication skills for solving real world problems.
- ➤ To collaborate with industry and premier institutes in terms of research and academics for upgrading knowledge and achieving goals.

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Department of AI & DS

Vision

Excellence in the domain of Artificial Intelligence and Data Science for sustainable development.

Mission

- > To impart quality education with regard to existing and evolving AI & amp; DS techniques.
- > To groom students technologically superior and ethically strong.
- > To equip students with interdisciplinary skill sets require to cater the needs of the society.
- > To Collaborating with various Industries to make students industry ready.

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