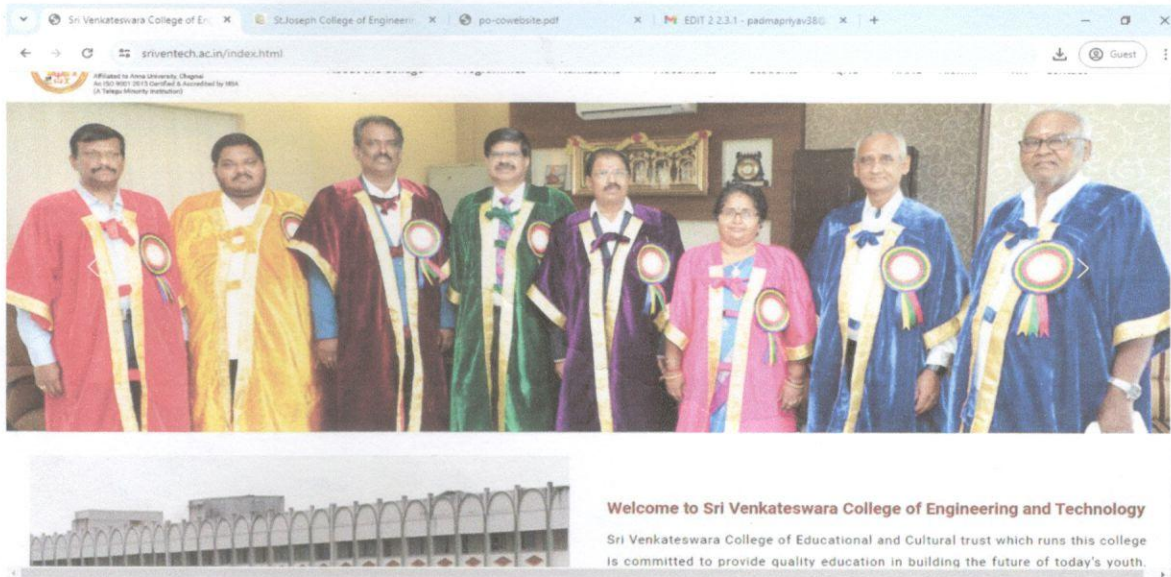


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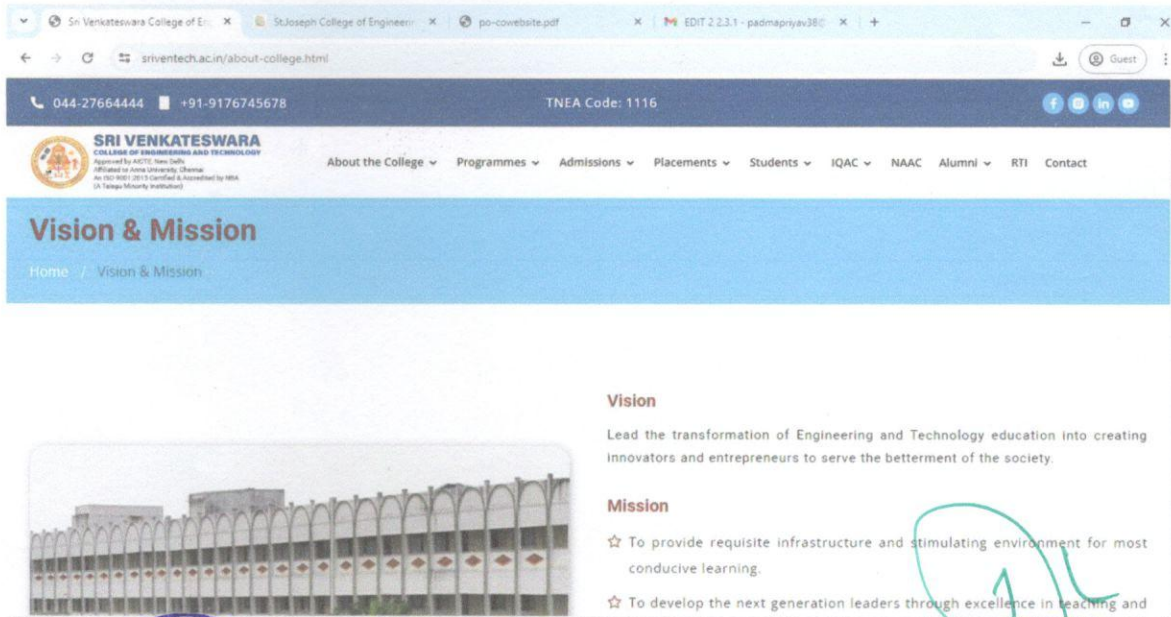
ABOUT



Welcome to Sri Venkateswara College of Engineering and Technology

Sri Venkateswara College of Educational and Cultural trust which runs this college is committed to provide quality education in building the future of today's youth.

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



PRINCIPAL
Sri Venkateswara College of
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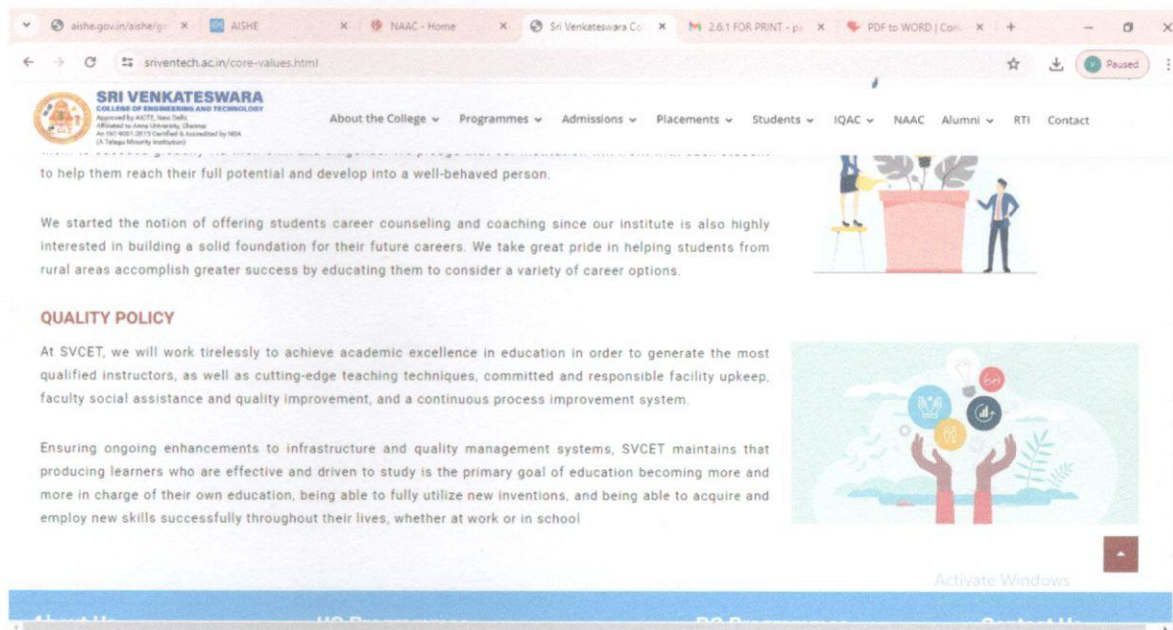



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QUALITY POLICY




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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

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Computer Science Engineering

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About

The Department of Computer Science and Engineering was established in 2000. With India's thriving IT sector, there is a significant need for highly skilled technical engineers. Our department provides excellent opportunities for acquiring essential expertise to join leading companies in India and pursue entrepreneurial ventures. Students gain a solid grounding in Computer Science fundamentals and stay updated on the latest industry advancements. Our curriculum, tailored to industry needs and enhanced by certificate programs, offers multiple pathways for students aiming to excel in the field of Computer Science.

Why CSE @ SVCET

VISION & MISSION

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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.



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I PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

Graduates of the programme B E Computer Science and Engineering will

- ☆ Apply their technical competence in computer science to solve real world problems, with technical and people leadership.

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II PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to

- ☆ **Work in a business environment**, exhibiting team skills, work ethics, adaptability and lifelong learning.
- ☆ **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- ☆ **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.
- ☆ **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.
- ☆ **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.
- ☆ **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering problems with an understanding of the limitations.



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projects and in multidisciplinary environments.

- ☆ **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.

III PROGRAM SPECIFIC OUTCOMES (PSOs)

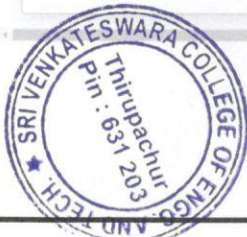
The students will be able to

- ☆ PSO1 Exhibit design and programming skills to build and automate business solutions using cutting edge technologies.
- ☆ PSO2 Strong theoretical foundation leading to excellence and excitement towards research, to provide elegant solutions to complex problems.
- ☆ PSO3 Ability to work effectively with various engineering fields as a team to design, build and develop system applications.

SYLLABUS

Syllabus

COURSES	R17 Regulation	R21 Regulation
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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Electronics and Communication Engineering

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- ☆ The Department of Electronics and Communication Engineering (ECE) was established in 2002 with the goal of fostering our students' growth via hard effort into deserving and disciplined engineers.
- ☆ The Department has seven well-equipped, diverse laboratories, one of which is specifically designated for undergraduate students. These laboratories are outfitted with a wide range of software to meet the needs of the students and satisfy the curriculum mandated by the connected university. Digital signal processing, electronic circuits, networking, VLSI, communication, microprocessor, and digital labs are

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Vision

The vision of ECE department is to become pioneer in higher learning and research and to produce creative solution 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.



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PROGRAM OUTCOME

The screenshot shows the college website with a navigation menu and a sidebar. The main content area displays the following:

- PROGRAMME EDUCATIONAL OBJECTIVES (PEOS), PROGRAM SPECIFIC OUTCOMES (PSOs) AND PROGRAM OUTCOMES (POS)_ ELECTRONICS AND COMMUNICATION ENGINEERING**
- I PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)**
- Graduates of the programme B E Electronics and Communication Engineering will
- ☆ To provide the students with a strong foundation in the required sciences in order to pursue studies in Electronics and Communication Engineering.
- ☆ To gain adequate knowledge to become good professional in electronic and communication engineering associated industries, higher education and research.
- ☆ To develop attitude in lifelong learning, applying and adapting new ideas and technologies as their field evolves.
- ☆ To prepare students to critically analyze existing literature in an area of specialization and ethically develop innovative and research-oriented methodologies to solve the problems identified.
- ☆ To inculcate in the students a professional and ethical attitude and an ability to visualize the engineering issues in a broader social context.

The screenshot shows the college website with a navigation menu and a sidebar. The main content area displays the following:

- ☆ To inculcate in the students a professional and ethical attitude and an ability to visualize the engineering issues in a broader social context.
- II PROGRAM OUTCOMES (POs)**
- Engineering Graduates will be able to
- ☆ **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- ☆ **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.
- ☆ **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.
- ☆ **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.



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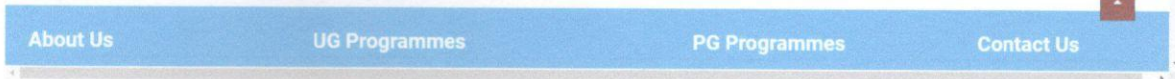
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independent and life-long learning in the broadest context of technological change.

III PROGRAM SPECIFIC OUTCOMES (PSOs)

The students will be able to

- ☆ PSO1 Design, develop and analyze electronic systems through application of relevant electronics, mathematics and engineering principles
- ☆ PSO2 Design, develop and analyze communication systems through application of fundamentals from communication principles, signal processing, and RF System Design & Electromagnetics.
- ☆ PSO3 Adapt to emerging electronics and communication technologies and develop innovative solutions for existing and newer problems



SYLLABUS



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Electronics and Communication Engineering

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[https://www.sriventech.ac.in/assets/syllabus/R2017/B.E. \[ECE\] - 2017.pdf](https://www.sriventech.ac.in/assets/syllabus/R2017/B.E. [ECE] - 2017.pdf)



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DEPARTMENT OF ELECTRICAL AND ELECTRONICAL ENGINEERING

Sri Venkateswara College of Engineering and Technology website header. Includes contact numbers (044-27664444, +91-9176745678), TNEA Code (1116), and navigation menu (About the College, Programmes, Admissions, Placements, Students, IQAC, NAAC, Alumni, RTI, Contact). The main heading is "Electrical and Electronical Engineering".

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About

- ☆ In 2000, the Electrical and Electronics Engineering department was founded, with 60-student maximum authorized enrollments. The department provides a full-time, two-year M.E. program in Power Electronics and Drives and a full-time, four-year B.E. program in Electrical and Electronics Engineering.
- ☆ One of the esteemed main departments of the Institute, the Department of Electrical and Electronics Engineering, has a permanent affiliation with Anna University in Chennai.
- ☆ Power systems, power electronics and industrial drives, instrumentation, control systems,

VISION & MISSION

Sri Venkateswara College of Engineering and Technology website content for Vision and Mission. Includes navigation menu and a list of menu items (VISION & MISSION, PROGRAMMES OFFERED, LIST OF FACULTIES, STUDENTS ON-ROLL, SYLLABUS, LIST OF LABORATORIES, PROGRAM OUTCOME).

Vision

- To produce an Excellent and Proficient technologist in the field of Electrical and Electronics Engineering.
- To provide the excellent standard of education in the field of Electrical and Electronics and to meet the global standard and inculcate the ethical and human values of the society.

Mission

The Department of Electrical and Electronics Engineering focuses in

- ☆ Providing them the good knowledge in the engineering technologies.
- ☆ Enhancement their knowledge and thoughts Research.
- ☆ Making them understand about the importance of the engineering technology in today world and to be a global competence.
- ☆ Educating them about the social and human values.
- ☆ To make them understand how to be a create and innovative engineers.



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PROGRAM OUTCOME



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sriventech.ac.in/electrical-and-electronical-engineering.html

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III PROGRAM SPECIFIC OUTCOMES (PSOs)

On completion of Electrical and Electronics Engineering program, the student will have the following Program Specific Outcomes.

- ☆ PS01 Foundation of Electrical Engineering: Ability to understand the principles and working of electrical components, circuits, systems and control that are forming a part of power generation, transmission, distribution, utilization, conservation and energy saving. Students can assess the power management, auditing, crisis and energy saving aspects.
- ☆ PS02 Foundation of Mathematical Concepts: Ability to apply mathematical methodologies to solve problems related with electrical engineering using appropriate engineering tools and algorithms.
- ☆ PS03 Computing and Research Ability: Ability to use knowledge in various domains to identify research gaps and hence to provide solution which leads to new ideas and innovations.

SYLLABUS

sriventech.ac.in/electrical-and-electronical-engineering.html

Electrical and Electronical Engineering

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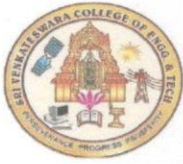
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DEPARTMENT OF MECHANICAL ENGINEERING

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Mechanical Engineering

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- ☆ Mechanical engineering is a dynamic and multidisciplinary field that combines principles of physics, mathematics, and materials science to design, analyze, and manufacture mechanical systems. It encompasses a broad range of industries, from automotive and aerospace to energy and robotics, making it one of the most versatile engineering disciplines.
- ☆ Mechanical engineering, the cornerstone of industrial progress, is undergoing a transformative phase fueled by recent technological breakthroughs. From cutting-edge materials to revolutionary

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SYLLABUS

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 to foster a friendly and inclusive



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sriventech.ac.in/mechanical-engineering.html

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PROGRAMME EDUCATIONAL OBJECTIVES (PEOS), PROGRAM SPECIFIC OUTCOMES (PSOs) AND PROGRAM OUTCOMES (POS) _MECHANICAL ENGINEERING

I PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

Graduates of the programme B E Mechanical Engineering will

- Effectuating success in careers by exploring with the design, digital and computational analysis of engineering systems, experimentation and testing, smart manufacturing, technical services, and research.
- Amalgamating effectively with stakeholders to update and improve their core competencies and abilities to ethically compete in the ever-changing multicultural global enterprise.

sriventech.ac.in/mechanical-engineering.html

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II PROGRAM OUTCOMES (POs)

Graduate Attribute

- Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 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.
- 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.
- 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.
- 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.



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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.

III PROGRAM SPECIFIC OUTCOMES (PSOs)

On successful completion of the Mechanical Engineering Degree programme, the Graduates shall exhibit the following:

- ☆ PSO1 Apply the knowledge gained in Mechanical Engineering for design and development and manufacture of engineering systems.
- ☆ PSO2 Apply the knowledge acquired to investigate research-oriented problems in mechanical engineering with due consideration for environmental and social impacts.
- ☆ PSO3 Use the engineering analysis and data management tools for effective management of multidisciplinary projects.

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DEPARTMENT OF CIVIL ENGINEERING

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☆ Civil Engineering is an essential foundation for any developing or developed country as it caters to all the basic needs of mankind, ranging from minimum requirements to high sophistication. Without Civil Engineering, development in other engineering fields would be impossible. Civil Engineering provides infrastructure that paves the way for other engineering subjects like Electrical, Electronics, and Communication to be developed. During natural calamities, the efforts taken in this field alone can prove critical to the success of other aspects of Engineering.

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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



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Thirupachur-631203, Tiruvallur TK & DT
Approved by AICTE New Delhi & Affiliated to Anna University, Chennai
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I PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

Graduates of the programme B E Civil Engineering will

- ☆ Gain knowledge and skills in Civil engineering which will enable them to have a career and professional accomplishment in the public or private sector organizations

civil engineering

II PROGRAM OUTCOMES (POs)

Graduate Attribute

- ☆ **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- ☆ **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.
- ☆ **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.
- ☆ **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.
- ☆ **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern



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III PROGRAM SPECIFIC OUTCOMES (PSOs)

On successful completion of the Civil Engineering Degree programme, the Graduates shall exhibit the following:

- ☆ PSO1 Knowledge of Civil Engineering discipline Demonstrate in-depth knowledge of Civil Engineering discipline, with an ability to evaluate, analyze and synthesize existing and new knowledge.
- ☆ PSO2 Critical analysis of Civil Engineering problems and innovation Critically analyze complex Civil Engineering problems, apply independent judgment for synthesizing information and make innovative advances in a theoretical, practical and policy context.
- ☆ PSO3 Conceptualization and evaluation of engineering solutions to Civil Engineering Issues Conceptualize and solve Civil Engineering problems, evaluate potential solutions and arrive at technically feasible, economically viable and environmentally sound solutions with due consideration of health, safety, and socio-cultural factors

SYLLABUS



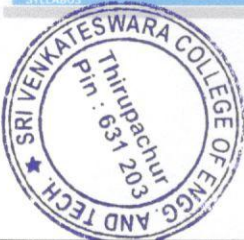
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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

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- ☆ The Master of Business Administration was started in the year 2007 to fulfill the entrepreneurial needs of the society. The classroom pedagogy involves the case study methods, Group Discussion, Role-Play, Business Games, Industrial Visit and Workshops.
- ☆ The MBA program offered by SVCET with a multi-disciplinary approach has a wide range of specializations that will open the door for immeasurable career opportunities for the students.

Hiailights

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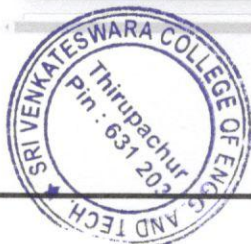
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Vision

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 to become globally competitive managers.



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I PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

MBA programme curriculum is designed to prepare the post graduate students

☆ To have a thorough understanding of the core aspects of the business. To have a thorough understanding of the core aspects of the business.

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On successful completion of the programme,

- ☆ Ability to apply the business acumen gained in practice.
- ☆ Ability to understand and solve managerial issues.
- ☆ Ability to communicate and negotiate effectively, to achieve organizational and individual goals.
- ☆ Ability to understand one's own ability to set achievable targets and complete them.
- ☆ Ability to fulfill social outreach
- ☆ Ability to take up challenging assignments

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DEPARTMENT OF MASTER OF COMPUTER APPLICATION

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About

- ☆ The Master of Computer Applications was Started in the year 2008 affiliated to Anna University. MCA at SVCET is the best choice for individuals looking through strap on Programming Skills to help them achieve their career goals sooner or in a bigger way.
- ☆ It is a technical Professional Program that aims to groom the software development skills of the student.

Highlights

- ☆ Cutting Edge Learning Methods



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Vision

Our goal is to establish ourselves as a recognized institution that provides exceptional education, empowering students to fully adapt to the ever-changing field of computer applications.

Mission

☆ To provide individuals with up-to-date computer and IT technical skills necessary to navigate current industry trends and tackle future challenges.

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I PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

MCA programme curriculum is designed to prepare the post graduate students

- ☆ Apply their computing skills to analyse, design and develop innovative software products to meet the industry needs and excel as software professionals.
- ☆ Pursue lifelong learning and do research in the computing field based on solid technical foundations.
- ☆ Communicate and function effectively in teams in multidisciplinary fields within the global, societal and environmental context.



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sriventech.ac.in/computer-applications.html

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PROGRAM OUTCOME

solutions for the sustainable development of society.

II PROGRAM OUTCOMES (POs)

On successful completion of the programme,

- ☆ An ability to independently carry out research/investigation and development work to solve practical problems
- ☆ An ability to write and present a substantial technical report/document
- ☆ Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program
- ☆ Able to select suitable data models, appropriate architecture, and platform to implement a system with good performance.
- ☆ Able to design and integrate various system-based components to provide user interactive solutions for various challenges.
- ☆ Able to develop applications for real time environments using existing and upcoming technologies

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