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# HASHTAG

#ITNLJAN2025

DEPARTMENT OF INFORMATION TECHNOLOGY



**SRI VENKATESWARA COLLEGE OF ENGINEERING**  
Sriperumbudur - 602 117 (Autonomous- affiliated to Anna University)





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## DEPARTMENT VISION

To produce higher calibre technologists and scientists for helping the country to attain new heights in Information Technology research and industrial needs to provide leadership in the field of technical education.

## DEPARTMENT MISSION

1. To develop the department into a “Centre of Excellence in Information Technology” offering engineering education to the students at Undergraduate, Postgraduate and Doctoral degree levels.
2. To build students' total personality emphasizing ethical values, and nurture them to meet the growing challenges in the Information Technology industry.
3. To examine the research challenges and cater diverse societal needs of the Nation.

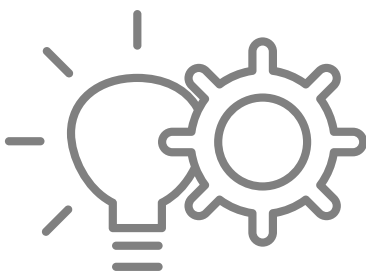
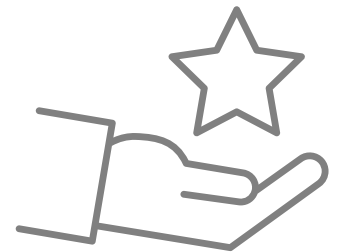
## PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

The graduates of Information Technology program will demonstrate themselves as leading professionals.



The graduates of Information Technology program will be equipped with the necessary skills to become proficient researchers.

The graduates of Information Technology program will demonstrate their abilities as successful entrepreneurs.



The graduates of Information Technology program will excel in higher studies or modern administrative services.

## PROGRAM OUTCOMES (POs)

- **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.
- **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.

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- **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.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.
- **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.
- **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.
- **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.

## PROGRAM SPECIFIC OUTCOMES (PSOs)

**The B.Tech Information technology programme demonstrates the following two Programme Specific Outcomes (PSOs):**

1. Exhibit proficiency in examining standard business operations in order to create and implement suitable Information Technology solutions.
2. Demonstrate the ability to establish an IT infrastructure, effectively manage resources, and ensure data security.

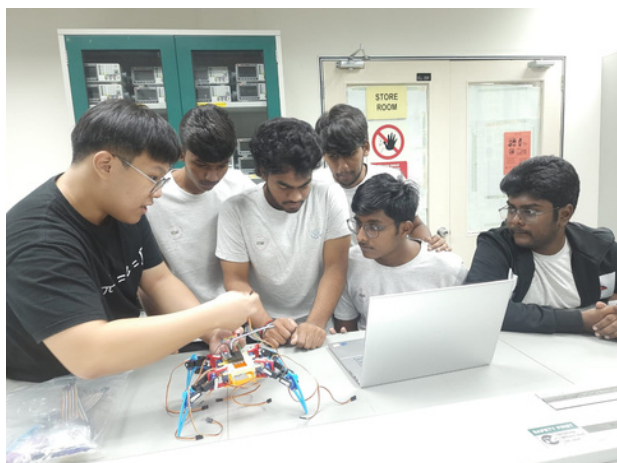


## STUDENT CORNER

### IT Department Students Shine at MADE 2.0 in Malaysia

From January 20th to 30th, six students from the IT department, along with Dr. V.M. Sivagami, participated in the Make a Difference Enterprise (MADE 2.0) program at Taylor's University, Malaysia.

Over the course of ten days, the students explored a wide range of domains, including robotics, drones, team building, and design thinking through hands-on learning and collaborative projects







The program culminated in a final competition where participants pitched their projects for funding. Demonstrating exceptional creativity and problem-solving skills, our students excelled, securing the 1st, 2nd, and 3rd places with **AirNova** and **Enersand** taking center stage making the department and college proud on an international stage.

## STUDENT CORNER

## TRAINING PROGRAMME

Placement Programming training was organised for Third year students of IT from 02.01.2025 to 10.01.2025





## STUDENT ACHIEVEMENTS

## PLACEMENT CORNER



**Dharshan D** and **Padmadhrshini S** of final year IT got an offer from Oracle with a salary package of **7.5LPA**.



**Uma T D** of final year IT got an offer from **Novac** with a salary package of **3.5LPA**.



## STUDENT ACHIEVEMENTS

## PLACEMENT CORNER



**Monika S, Raveena A, Sabarees A, Swetha S** of final year IT got an offer from Geodis with a salary package of **5LPA**.

**Sukant B** of final year M.Tech(Cyber Forensics and Information Security) got an offer from lamneo with a salary package of **7LPA**.

## FACULTY CORNER



**Dr. A Indumathi**, ASP/INT and **Mr. E Sivakumar**, AP/INT acted as Guest Faculty at **Rajiv Gandhi National Institute of Youth Development**, Sriperumbudur and offered "**Big Data Frameworks**" and "**Data Structures and Algorithms**" courses to the students of MSc (AI&ML) during Sep–Dec'24.



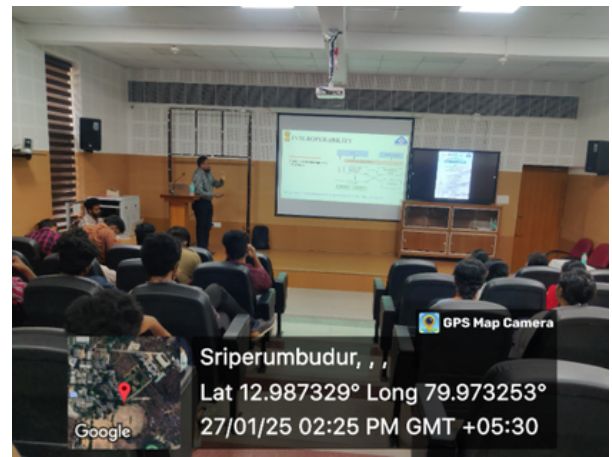
**FACULTY CORNER**

**Dr. V.Vidhya, Dr.A.Kala, Dr.P.Sharon Femi and Ms.R.Saktheeswari** along with **Rahul** (IT III-Year) visited **Ashok Leyland**, Ennoor plant on 28.01.25 regarding a collaborative project.

**Dr.N.Devi, Dr P.Leela Rani and Mr. AR.Guru Gokul** published patent titled "**Machine Learning-Based IoT Solution for Pedestrian Safety at Crosswalks**" in IPR India dated 13/12/2024.



## Bureau of Indian Standards



On 27th January 2025, Sri Venkateswara College of Engineering (SVCE) organized a guest lecture on the "Internet of Things" in collaboration with the Bureau of Indian Standards. The lecture covered the basics of IoT and its impact on various industries. Experts shared insights on the future of connected devices and the importance of standards. Students and faculty engaged in meaningful discussions. It was an informative and valuable session for everyone.

## PROGRAMMES OFFERED

- B.Tech Information Technology
- M.Tech Cyber Forensics and Information Security
- Doctor of Philosophy (Ph.D)



## CONTENT COMPILATION



**Dr. V. Vidhya**  
HOD/IT



**Dr. P. Sharon Femi**  
Associate Professor



**Mr. N. Selvaganesh**  
Assistant Professor

## NEWSLETTER EDITORS

**Mrs. Uma Devi B**  
Assistant Professor



**Sanjana Madankumar**  
II Year IT-B



**M. Buvarna Rithika**  
III Year IT-A



# DEPARTMENT OF INFORMATION TECHNOLOGY

## SALIENT FEATURES

- Pioneered the introduction of the B.Tech IT degree programme.
- Centre of Excellence in Data Science & Cybersecurity
- Autonomous, Choice Based Credit System and Industry driven curriculum.
- Scope to acquire B.E. / B. Tech. (Honours) or Minor Degree.
- State-of-the-art facilities & industry supported laboratories.
- Interdisciplinary industry oriented research projects.
- Merit, Economic means, Merit-cum-Economic means & Sports scholarships to the deserving students.
- Excellent Career guidance - placement /masters in abroad universities / Civil services examinations / entrepreneurship.
- Sponsorship for professional skill development, Extra Curricular and Co-curricular activities.
- MoUs with various industries.
- An exclusive product development centre.



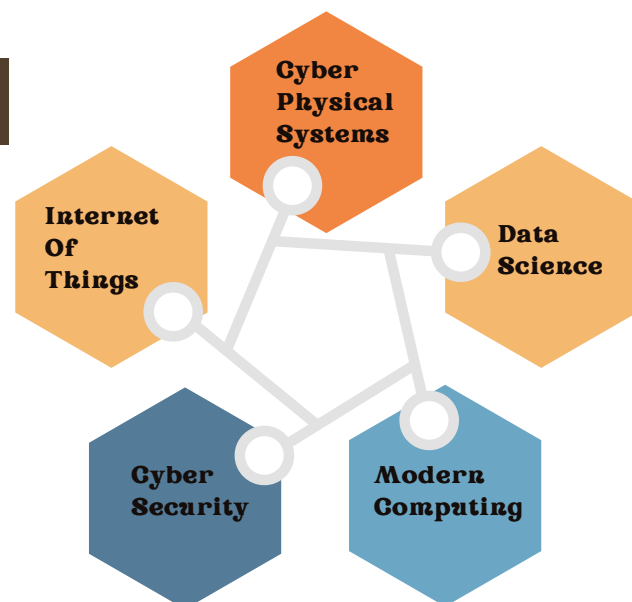
## PROGRAMMES OFFERED

- B.Tech Information Technology
- M.Tech Cyber Forensics and Information Security
- Doctor of Philosophy (Ph.D)

### CAMPUS ADDRESS

Sri Venkateswara College of Engineering ,  
Post Bag No.1, Pennalur Village, Chennai - Bengaluru  
Highways, Sriperumbudur (off Chennai) Tk. - 602 117  
Tamil Nadu, India

## Research Themes







## ABOUT US

M.Tech Cyber Forensics and Information Security is a comprehensive 2 years PG program designed to equip students with the knowledge and practical skills necessary to excel in the field of cybersecurity.

National Cyber Safety and Security Standards works with the Government and Industry on cyber policies. SVCE, recognized as a resource center, manages this through its IT department.

# DEPARTMENT OF INFORMATION TECHNOLOGY



## M.TECH. CYBER FORENSICS & INFORMATION SECURITY

## ELIGIBILITY

BE or B.Tech in

- Information Technology
- Computer Science and Engineering
- Electronics Engineering
- Electronics and Communication Engineering
- Information Security and Digital Forensics
- Other relevant branches from recognized institutions

## Paving the Way for a Secure Future

- Chief Information Security Officer
- Forensic Computer Analyst
- Information Security Analyst
- Penetration Tester
- Security Architect
- IT Security Engineers
- Security System Administrator
- IT Security Consultant

## FINANCIAL SUPPORT

### Management Scholarship

Merit + Merit cum means + Economic means + Sports Scholarship

### AICTE - PG Scholarship

Rs.12400 per month for 24 months for GATE/CPAT qualified PG students.

### UGC - Post-Graduate Indira Gandhi Scholarship

For single girl child for PG programs Rs.3100 per month for 20 months.

Scholarships @ Rs.7,800/-per month (ME/M.Tech)

Contingency A @ Rs.15,000/- per annum (ME / M.tech)

- Tuition fees waiver (Rs.50,000/year) for 30% of the student class strength on merit basis as applicable.
- Management scholarships under economic means and merit cum means for tuition fees and assistance for books and instruments.
- Financial assistance to support innovative PG Projects under intramural research grant scheme.
- Sponsorship for students to attend conferences.

## SUPPORT FOR PG STUDENTS

- **Student research day** to appreciate innovative research projects
- **Core IT company placements**, including CTS, TCS, Infosys, Accenture, Wipro, and Ericsson.
- **Outstanding PG Student Award:** Honoring the top-performing final-year PG student.
- **Certification Courses:** Access to NPTEL, MOOC, Coursera, and AWS certifications.
- **Competitions:** Students are encouraged to aim for awards like TNSCST, INAE, and Gandhian Awards.
- **Research Publications:** Guidance to publish in reputed national and international journals.
- **Strategic MoUs:** Collaborations with Infosys, Taylor's University, Worldline, Quadsel Systems, Rela Hospital, and more, offering internships, training, and placements.
- **Knowledge Access:** IEEE, Springer, ACM, Elsevier, and other journals available on campus for research support.
- **Industrial Exposure:** Regular industrial visits and expert guest lectures to enhance academic and research capabilities.
- **Leadership Development:** Opportunities to organize national-level technical symposiums.
- **Horizon Magazine:** A platform to showcase innovative research ideas from IT students.