



Sri Venkateswara College of Engineering

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Newsletter

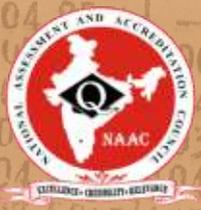
NOVEMBER 2023

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.

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PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

1. The graduates of Information Technology program will demonstrate themselves as leading professionals.
2. The graduates of Information Technology program will be equipped with the necessary skills to become proficient researchers.
3. The graduates of Information Technology program will demonstrate their abilities as successful entrepreneurs.
4. The graduates of Information Technology program will excel in higher studies or modern administrative services.



PROGRAMME OUTCOMES (POs)

- 1. Engineering Knowledge:** Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
- 2. 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.
- 3. 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.
- 4. 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.
- 5. 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.

PROGRAMME OUTCOMES (POs)

6. **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.

7. **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.

8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. **Individual and team work:** Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.

10. **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.

PROGRAMME OUTCOMES (POs)

11. **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.

12. **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.

PROGRAMME 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.

DEPARTMENT ACHIEVEMENTS

Department of IT
is accredited by
NBA
for 3 Years
(AY 2022-23 to
2024-25 i.e. upto
30/06/2025).



STUDENT ACHIEVEMENTS

PALS ANALYZE – FIRST PRIZE

Mr. Sharan. S, Mr. Krithik Sai Prasad, Mr. Rahul MS, Ms. Shreya S (Team Name: You Know Us) of IV year INT won the First prize with a cash amount of Rs. 2500 in the PALS ANALYZE – Case Study Event (Topic – My Locality !) conducted between September 12th – 14th, 2023 under the mentorship of Dr.P.Sharon Femi, ASP/INT.



DRESTEIN – THIRD PLACE

Mr. Suriyanath Subramanian K R, Mr. Praveen Chandru S of II year INT 'B' secured Third place with a cash amount of Rs.500 for the event "Binary Illusions " during 14th National Level Intercollegiate Technical and Management Fest (DRESTEIN 2K23) on November 2nd & 3rd 2023, at Saveetha Engineering College under the mentorship of Dr. K. Kiruthika Devi, ASP/INT.



STUDENT ACHIEVEMENTS

YOUNG ACHIEVERS AWARD

Mr. S. Pragatheeshwar, III year INT B received recognition from our Honorable Governor of Tamil Nadu, Thiru. R. N. Ravi during the 'Think to Dare' event (Series-13) - Interaction with young Achievers at Raj Bhavan on November 14, 2023.



INTERNSHIP

Ms. A Raveena of III year IT got internship at Ericsson with a stipend of INR 21000 per month through CONNECT 23.

STUDENT ACHIEVEMENTS

WINNERS & STAR INNOVATOR AWARD

Sri harihara sudhan M, Sujith U and Sing Valliyappa V of III year INT B section secured Winners position and Star Innovator Award with a trophy and cash prize of Rs. 10,000/.

Hemanth R of III year INT A section secured Runners position for their innovative idea in the field of Medical with stunning presentation skills & winning in the IDEAS ARE MADE event conducted by Pephands Foundation on November 18, 2023 under the mentorship of Dr.V.Vidhya, Prof/INT.



PLACEMENT ACTIVITIES



Abishek K S got Intern offer from Celestica.

Aadharsha Yadhav H and Sharan S got Intern from Nasdaq with 8LPA package.



Harshavardhini G and Sandhya S got offer from Nasdaq with 6.5LPA package.



Akshara U J got offer from Freshworks with 5 LPA package.



Jerunez J got offer from Geodis with salary package of 5 LPA.



SPORTS ACHIEVEMENTS

Mr. S. Gowtham of IV year INT 'A' represented Tamilnadu Fistball Team and the team won the 7th Senior National Fistball Championship 2023 held at Dindigul, Tamilnadu from October 27th to 29th 2023.



FACULTY ACHIEVEMENTS

Dr. D. Jayanthi received an appreciation certificate from **Elsevier** for the article "Forecasting of COVID-19 cases using deep learning models: Is it reliable and practically significant?" that deals with assessing pandemic characteristics, scenario planning, optimization of models and supporting the Sustainable Development Goals (SDGs).



Dear Jayanthi Devaraj,

We would like to celebrate the contribution you have made to open science and the role your research plays in helping solve the world's greatest challenges.

At Elsevier, we believe that open science has the power to drive societal progress and advance the United Nations (UN) Sustainable Development Goals (SDGs). Making knowledge freely accessible to anyone, anywhere can play a fundamental role in achieving a sustainable and equitable future.

Between 2020–2022, you published 1 open access article with Elsevier. Your article was linked to the UN SDGs, helping to tackle some of the world's greatest challenges.

RESOURCE PERSON

Keynote Speakers

Keynote Speakers



Topic: Ethical Hacking

Prof. Dr. T. Sukumar, Department of IT, Sri Venkateswara College of Engineering, Sripurumbudur, India

Dr. T. Sukumar has been working as a professor in the Department IT, of Sri Venkateswara College of Engineering, Sripurumbudur, India (Affiliated to Anna University). He has 20 years of experience in programming, cyber security, networking and machine learning.

Mr. T. Sukumar served as Keynote speaker for 2023 8th International Conference on Intelligent Information Processing and 2023 2nd International Conference on Computational Social Sciences and Sustainability on November 21-22 (online, Bucharest Time).

PATENT PUBLISHED



Dr. S. Kalavathi, along with others has granted a Design Patent titled "Pothole Detecting Device", in IPR, Application No. 391400-001, filed on 28/7/2023 and granted on 25/10/2023.

PATENT PUBLISHED



Dr C Yaashuwanth, Professor, Department of Information Technology, and along with others, has published a patent titled “ Motor and Battery Overheat Detection in Electric Vehicle”, Application No. 202341070533 A, filed on 17/10/2023 and published on 3/11/2023.

BOOK CHAPTERS PUBLISHED

Dr.A.Indumathi, Ms.N.Uma, Ms.M.Sugacini, Ms.S.Kavishree published a Book chapter titled "Cyber Security Risk Assessment and Management Using Artificial Intelligence and Machine Learning" in the book “Risk Detection and Cyber Security for the Success of Contemporary Computing”, Chapter 10, pp.198-207, IGI Global Publishers, 2023.



Dr.A.Indumathi published a Book chapter titled “A Survey of Data Mining and Machine Learning-Based Intrusion Detection System for Cyber Security” in the book “Risk Detection and Cyber Security for the Success of Contemporary Computing”, Chapter 4, pp.52-74, IGI Global Publishers, 2023.



FDP ATTENDED

Ms. S. Kavishree, Mr. S. Siva Alagesh & Ms. R. Elakya has attended the FACULTY DEVELOPMENT PROGRAM on VIRTUAL LABS, held virtually between November 15 th - 17 th 2023 as part of the PALS VLAB 2023 - 24 Initiative with NITK Surathkal.



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. Selva Ganesh
Assistant Professor

Newsletter Editor

Dr. P. Leela Rani
Associate Professor

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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



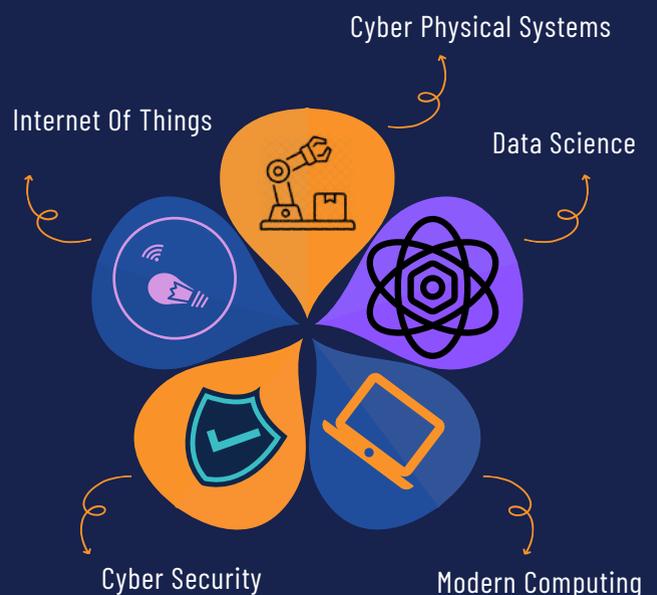
PROGRAMMES OFFERED

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

CAMPUS ADDRESS

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Highways, Sriperumbudur (off Chennai) Tk. - 602 117
Tamil Nadu, India

RESEARCH THEMES



Management Scholarship

- Merit • Merit cum means • Economic means • Sports Scholarship

AICTE - PG Scholarship

Rs.12400 per month for 24 months for GATE/GPAT 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 students 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.
- Providing placements in Information Technology based core companies such as CTS, TCS, Infosys, Accenture Wipro, Ericsson etc.
- Outstanding PG student award for a final year PG student.
- NPTEL, MOOC, Coursera and AWS certification courses are available.
- Students are encouraged to compete for awards such as TNSCST, INAE, Gandhian award and so on.
- Encouraging students to publish their research work in reputed national and international journals.
- Career guidance & Counselling support is provided. The Department has six functional MoU's with industries like Gemini communications, WriteIT and Infoziant (P) Ltd., which in turn helps students for internships, training and placement.
- Industrial visits and guest lectures by Subject Matter Experts from premier institutions and industries to improve research and academic activities.
- Students can access IEEE, Springer, ACM, Elsevier and reputed journals in the campus which helps them to carry out their project and research work effectively.
- Encouraging students leaderships quality by organizing National level technical symposium.
- Horizon - A technical research magazine of IT department gives the

ABOUT

THE PROGRAM

Cyber Forensics and Information Security (CFIS) is a 2 years PG Program. CFIS enables data confidentiality, security and integrity from unauthorized sources and cyber threats. In the digital era, it is necessary to secure network and data from cyber threats. The program paves way for a variety of job opportunities.

Chief Information Security Officer

Forensic Computer Analyst

Information Security Analyst

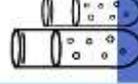
Penetration Tester

Security Architect

IT Security Engineer

Security Systems Administrator

IT Security Consultant



ELIGIBILITY CRITERIA

B.E / B.TECH

1. Information Technology
2. Computer Science and Engineering
3. Electronics Engineering
4. Electronics & Communications Engineering and other relevant branches from recognized institutions.

**DEPARTMENT OF
INFORMATION TECHNOLOGY**

New Program



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