HASHTAG

#ITNLJAN2024

Newsletter

JANUARY 2024

DEPARTMENT OF INFORMATION TECHNOLOGY

SRI VENKATESWARA COLLEGE OF ENGINEERING

Sriperumbudur – 602 117
(Autonomous- affiliated to Anna University)

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Sri Venkateswara
College of
Engineering

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)

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.

STUDENT ACHIEVEMENTS
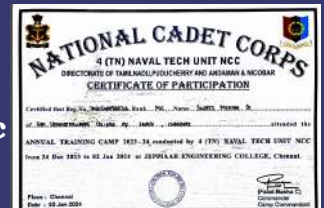# II PLACE IN GROUP SINGING

R. Adhithiyaram, III Year IT A secured II place in group singing as a lead guitar in Intercollegiate managerical and cultural fest organized by Saveetha School of Management on January 5, 2024.

NCC TRAINING & REPUBLIC DAY PARADE

G Swati Meena (III Yr 'B')
- attended the Annual Training Camp 2023-24 conducted by 4ITN) NAVEL TECH UNIT NCC from Dec 24,2023 to Jan 2,2024 at Jeppiar Engineering College.
- participated in Republic Day NCC parade at SVCE on Jan 26, 2024.

SEMINAR ATTENDED

Aarthi A & Akshaya J of II year IT A paticipated in the seminar titled " Intro to ML & Deep Learning" conducted by IIT Madras as part of SHAASTRA 2024 on January 4, 2024. The registration fees was sponsored by SVCE.

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SEMINAR ATTENDED

Abigail P, Akshaya S, Akshaya S, Buvarna Rithika & Kritikka K of II year IT A paticipated in seminar titled "UI/UX with Figma" conducted by IIT Madras as part of SHAASTRA 2024 on January 4, 2024. The registration fees was sponsored by SVCE.

PLACEMENT ACTIVITIES

Madhumitha B, Mohammed Sakeeb M H, Harriharan M K, Roheth S, Sundaram S, Kiran Kumar B got offer from Samco with a salary package of 4.5LPA.

Lekhashree Rajesh and Krithik Sai Prasad P of Final year IT interacted with Third year IT students about the preparation for Placement drives.

TECHNICAL TRAINING

Core Placement training was conducted for Final year IT students on January 23 & 24, 2024.

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FACULTY CORNER
PATENT PUBLICATION

Dr.P.Sharon Femi, Dr.A.Kala, Ms.R.Saktheeswari,   Dr.A.Indumathi, Ms.N.Uma & Ms.M.Sugacini published an Indian patent titled "SMART WALKER FOR MANAGING BODY ALIGNMENT" on 12th January 2024. Application No: 202341054O6A

FDP ATTENDED

Mr. Ranjith V
- Attended one day workshop on the PROPOSAL WRITING WORKSHOP conducted by PALS, on December 18th 2023.
- Attended 3-Day Faculty Development Program on Data Science for Computer Vision at VIT University ,vellore from January 9th to 11th 2024.

Dr.A.Indumathi, Ms.N.Uma and Ms.S.Kavishree attended Six day FDP on Neural Networks and Deep Learning organized by Panimalar Engineering College from December 12th to 17th, 2023.

Dr. S. Kalavathi, Dr.A.Indumathi,Ms.N.Uma and Ms.S.Kavishree attended International Faculty Development programme on "Emerging Technologies in Computer Science" during January 22nd to 27th, 2024, organized by Easwari Engineering College.

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FACULTY CORNER

MARTYRS' DAY

- Silence was observed for 2 minutes in connection with Martyrs' Day on January 30th, 2024.
- Pledge against Untouchability was administered.

PRE-SYNOPSIS SEMINAR PRESENTATION

The Pre-Synopsis Seminar Presentation of Ph.D. Research Scholar, Ms. Sheela Rani P (Dr. A. Kala as research coordinator) was held on 31st January 2024.

CSI EVENTS

CSI – SVCE Student chapter organized an online Technical Quiz Competition – 'QUIZZUP' on 7th January 2024.
A total of 45 students from 2nd ,3rd and final year students of all the departments from SVCE participated in the online quiz event hosted via QUIZIZZ platform.

CSI- SVCE student chapter organised a one day workshop "Workshop on Information Security" on 24th January 2024 from 9AM to 3PM . Mr. Tamilselvan , Technology Senior Security Analyst from Accenture and Preetham Aravamudu , Information Security engineer from Lumen technologies India Pvt Ltd., served as Workshop's Resource person.

GUEST LECTURE

The Association of Information Technologists in Association with the Department of Applied Chemistry organized a guest lecture titled "Artificial Intelligence: Opportunities in Healthcare" on 10th January 2024. Dr. IlanKumaran Kaliamoorthy, Chief Executive Officer & Senior Consultant, Liver Anesthesia & Intensive Care, Rela Hospital, Chennai, delivered the technical talk. He elucidated the role of AI in improved clinical decision-making, early detection of diseases, and the latest applications of AI in health care.

Students presented their healthcare-related projects, showcased their knowledge and skills, and received feedback from the expert.

Dr. V. Vidhya, Prof & Head/INT, Dr. G. Baskar, ASP/ACH, Dr. N. Devi, Dr. D. Jayanthi, Dr. V. M. Sivagami & Mr. A. Thiyagarajan organized the guest lecture.

PARENT TEACHER MEETING

Parent Teacher Meeting was conducted on December 23, 2023.

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

Sri Venkateswara College of Engineering

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
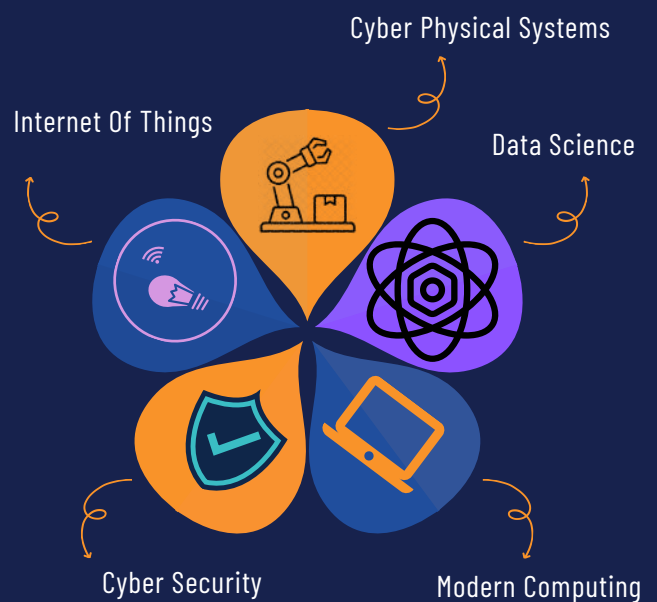- An exclusive product development centre

PROGRAMMES OFFERED

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

RESEARCH THEMES

Cyber Physical Systems

Internet Of Things

Data Science

Cyber Security

Modern Computing

For more details, visit : https://www.svce.ac.in/departments/information-technology

SVCE | Sri Venkateswara College of Engineering

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Sriperumbudur Tk-602117, Tamil Nadu, India
www.svce.ac.in

DEPARTMENT OF INFORMATION TECHNOLOGY

✨ New Program ✨

M.TECH

CYBER FORENSICS AND INFORMATION SECURITY

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
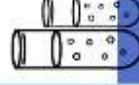- Information Security Analyst
- Penetration Tester
- Security Architect
- IT Security Engineer
- Security Systems Administrator
- IT Security Consultant

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.

For more information please contact :

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ACADEMIC / FINANCIAL SUPPORT

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