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#ITNLJAN2023

Newsletter

January 2023

DEPARTMENT OF INFORMATION TECHNOLOGY

SRI VENKATESWARA COLLEGE OF ENGINEERING
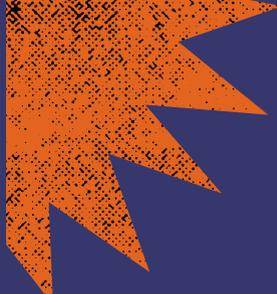
Sriperumbudur – 602 117

(Autonomous– affiliated to Anna University)

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Sri Venkateswara College of Engineering

VISION OF THE DEPARTMENT

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.

MISSION OF THE DEPARTMENT

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.

PLACEMENT TRAINING

Placement Training was conducted for the third year students between January 2,2023 and January 12, 2023.

INTERNSHIP & PLACEMENT OFFERS

Shreya S of third year IT secured an internship for six months at Prudent.ai.

Ugendran L of final year IT got placed in Hibiz Solutions and Consultants Pvt Ltd.

PROJECT IDEA PRESENTATION

Students of IT presented their project ideas in the event "AB INITIO" –A State Level Science Expo for 9th – 12th class students across the state as an outreach program between January 23, 2023 and January 25,2023.
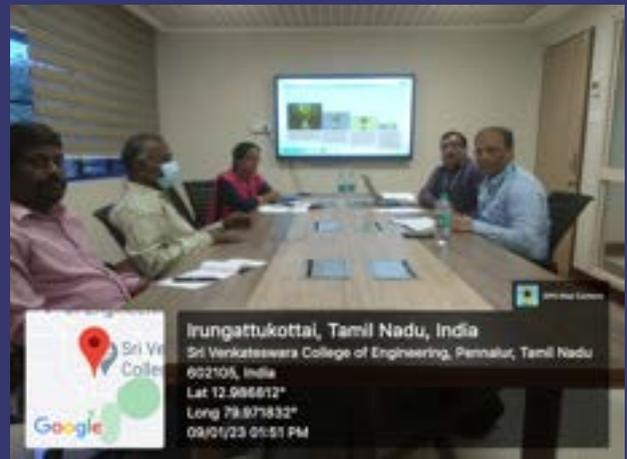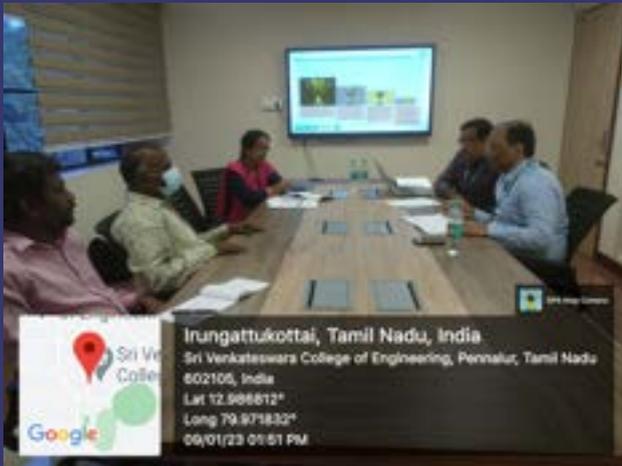
EXTRA CURRICULAR ACTIVITIES

CRICKET - WINNERS

TEAM PLAYERS

MAGSH.A (Captain)	IV/INT	VISWESH.G	III/CSE
ABINANDHAN.S	IV/MECH	ARVINDH.G	III/ECE
SUSHAANTH.D	IV/MECH	NIRANJAN.V	II/INT
MANIKANDAN B	IV/MECH	AKASH DEV KUMAR	II/INT
THARUN.P.S	IV/AUTO	MUKUNDAN.C.S	I/CSE
SANJIV.T.S(Vice Captain)	III/INT	SHRAVAN RAGHUNATH	I/CSE
KRITHIK SAI PRASAD.P	III/INT	SANJAI SOLAIRAJA	I/INT
SUSHANT SRIRAM.R.S	III/INT	VIGNESH KUMAR.S	I/CHEM

SVCE Cricket Team showed a stunning performance and clinched the Winners title in Anna University zonal tournament organized between 10th January 2023 and 18th January 2023.

MOU WITH WORDLINE GLOBAL SERVICES

A discussion was held on January 9, 2023 between SVCE and Worldline global services chennai regarding MOU.

INDUSTRIAL VISIT

First year IT A students went on an Industrial Visit to Aruldevi paper mills (P) Ltd., on January 20, 2023.

FACULTY ACHIEVEMENTS

Dr. T. Sukumar published an Indian patent titled "MULTIPLE SENSOR DATA FUSION BASED INTRUDER ALERT SYSTEM EMPLOYING IOT EMBEDDED MODULE" on 9th December 2022.

Dr. V.R. Vimal published an Indian patent titled "OPTIMAL HOMOMORPHIC ENCRYPTION THEN VECTOR QUANTIZATION BASED COMPRESSION SCHEME FOR ECG SIGNAL CLASSIFICATION" on 30th December 2022.

Ms. S. Kalavathi published a patent titled "A MODERN DIGITAL FRAMEWORK FOR CITIES BASED ON BLOCK CHAIN AND FOG COMPUTING TECHNOLOGIES", in IPR on 30th December 2022.

Mr R Ramachandran, Full time Research Scholar successfully completed his PhD Viva-Voce Examination under the guidance of Dr N Gobalakrishnan, Associate Professor/INT on January 20, 2023.

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FACULTY ACHIEVEMENTS

Dr. V. M. Sivagami authored a book titled "fundamentals of Data Science and Analytics".

TRAINING ATTENDED

Dr. K. Suresh attended a FDP on "Disruptive Technologies for Next Gen Computing" conducted by Sri Krishna College of Technology between December 14, 2022 and December 16, 2022.

Mr. A. Thiyagarajan attended a Webinar on "Impact of Disruptive Technologies in Sustaining Rural Healthcare for Modern India" conducted by VIT , Vellore on December 16, 2022 and December 17, 2022.

Ms. M. Sugacini attended a FDP on "A Step by Step Guide to write Good research paper" conducted by Research Foundation of India between December 20, 2022 and December 29, 2022.

TRAINING ATTENDED

Dr. K. Suresh, Mr. A. Thiyagarajan, Mr. V. Praveen Kumar and Dr. V. R. Vimal attended a FDP on "Research Advancement in Intelligent Computing Technologies" conducted by Sri Krishna College of Engineering and Technology between December 19 and December 23, 2022.

Dr.V.Vidhya, Dr.G.Sumathi, Dr.V.M. Sivagami, Dr.N. Devi, Dr. K. Suresh attended the "The Art of Living (Capacity Building for Productivity Enhancement)" between January 9 and January 11, 2023.
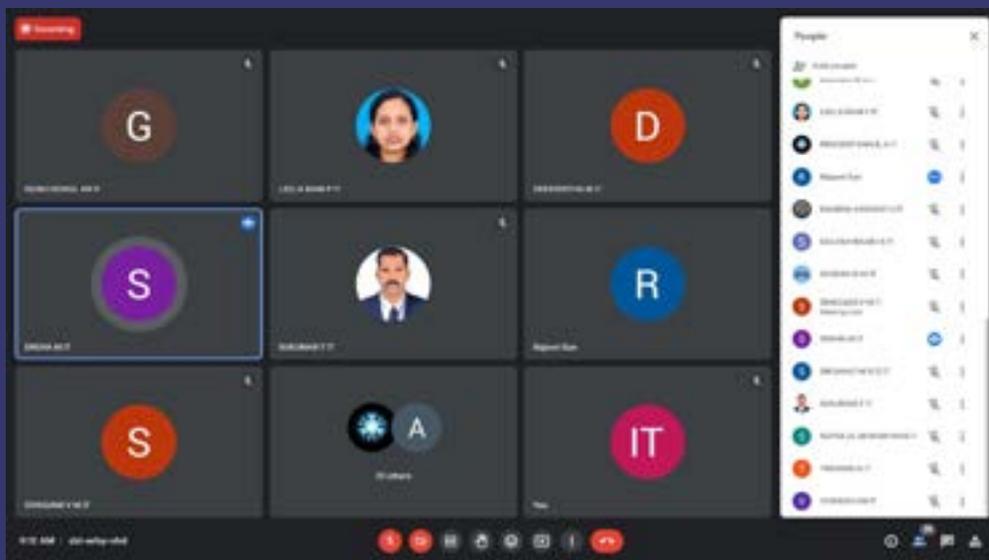

Dr.V.Vidhya, Dr.G.Sumathi, Dr.A.Kala, Dr.P.Sharon Femi attended the AICTE sponsored workshop on "Gender Audits in Higher Education Institutions, The why and how" on January 27 and January 28, 2023 conducted by SVCE.
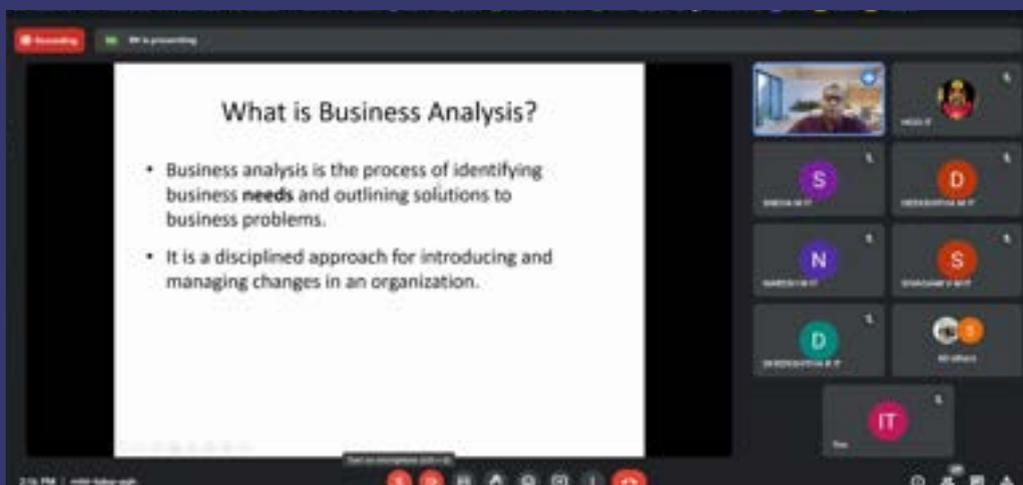
WEBINARS ORGANIZED BY AIT

International Webinar on "Automation and Migration Challenges in Information Technology" by Mr. Rajavel Sundiramurthy, Associate Director, UBS, Singapore on January 28, 2023 in online mode.

International Webinar on "Business Analysis for Beginners" by Mr.Rajkumar Ponuswamy, Lead Business Analyst, UK January 28, 2023 in online mode.

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. AR. Guru Gokul
  Assistant Professor

Newsletter Editor

Dr. P. Leela Rani
Associate Professor

CAMPUS ADDRESS

Pennalur Village, Chennai – Bengaluru High Road, Sriperumbudur Tk. – 602 117, Kancheepuram Dist. Tamil Nadu, India

Phone: 044-27152000
Email: acm@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
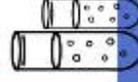- Forensic Computer Analyst
- Information Security Analyst
- Penetration Tester
- Security Architect
- IT Security Engineer
- Security Systems Administrator
- IT Security Consultant

✓ 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.

❀ 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

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For more information please contact :

Head of the Department,
Department of Information Technology
Tel : +91-44-27152000, Ext: 350
Email: hodit@svce.ac.in