Sri Venkateswara College of Engineering

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#ITNLDEC2023

Newsletter

DECEMBER 2023

DEPARTMENT OF INFORMATION TECHNOLOGY

Your paragraph text

SRI VENKATESWARA COLLEGE OF ENGINEERING

Sriperumbudur - 602 117

(Autonomous- affiliated to Anna University)

Sri Venkateswara College of Engineering

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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)

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

PALS RSW WORKSHOP

M. Kathiravan, III year IT A section selected from the TINKATHON workshop, actively participated and won II prize in the events conducted in the Residential Student Workshop, a 3 day residential workshop program from December 27th - December 29th, 2023 @ IITM Campus.

REMEDIAL CLASSES

Remedial classes for needy students of I year IT A and B sections were conducted on Saturdays.

PLACEMENT ACTIVITIES

Deepa Rekha A got an offer from Extreme Networks with 8.5 LPA package.

Krithik Sai Prasad P got an offer from Kaleris with 9 LPA package.

Siva E got an offer from Tiger Analytics with 5.5 LPA package.

TECHNICAL TRAINING

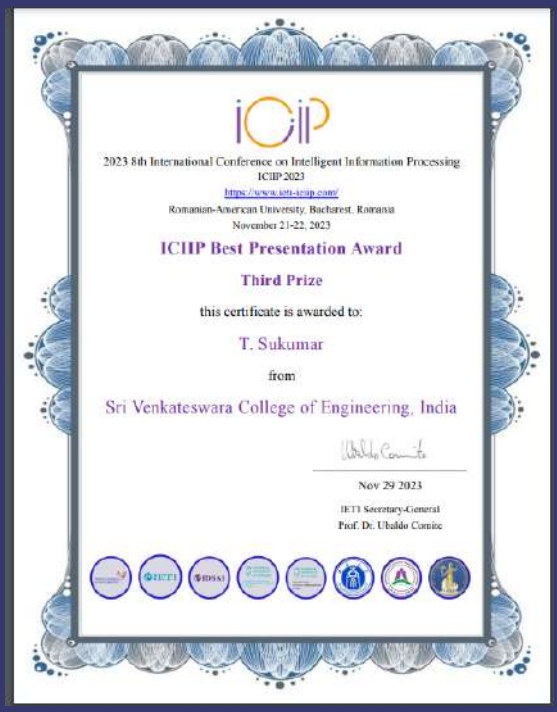
Technical training for final year students was conducted from December 11, 2023, to December 30, 2023.

FACULTY CORNER

ACHIEVEMENTS

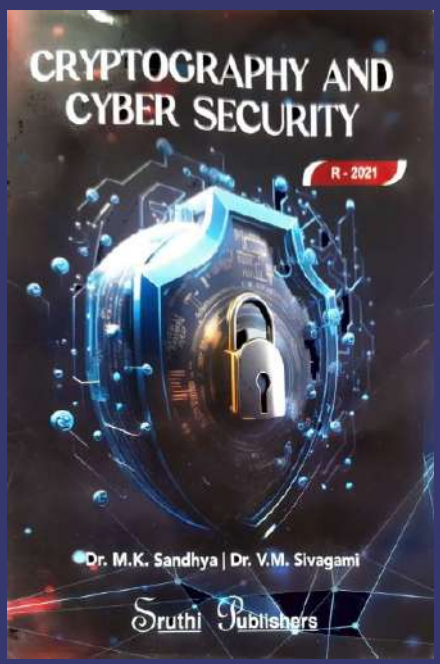
THIRD PRIZE

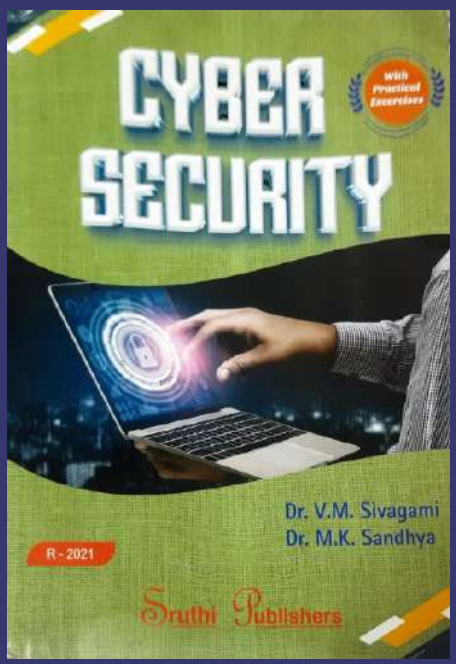
Dr. T Sukumar secured the third prize for his presentation at an International conference hosted by the Romanian-American University in Bucharest, Romania, held on November 21 & 22, 2023. He was invited as a speaker and presented a session on "Ethical Hacking."



BOOKS AUTHORED

Dr. V.M. Sivagami authored two books titled "Cryptography and Cyber Security" and "Cyber Security".

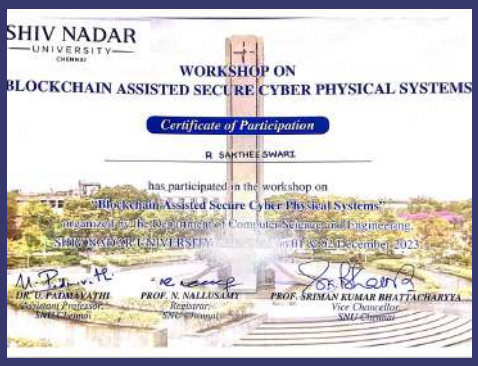




FDP ATTENDED

Dr. Devi N, Dr. Leela Rani P &
Mr. AR. Guru Gokul participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Preparing the academia for Industry 4.0 and 5.0 at
National Institute of Technical Teachers Training and Research from November 20 to 25, 2023.

Dr.D. Jayanthi & Ms. R. Saktheeswari attended 2 days workshop on " Blockchain assisted secure cyber physical systems " organized by CSE dept , Shiv Nadar University Chennai on December 1 & 2 ,2023 , sponsored by SVCE .



FDP ATTENDED

Dr. V Vidhya, Mr E Sivakumar, Ms P Meenakshi and Ms B Uma Devi, successfully completed a One Week Online FDP on Outcome Based Education and Essential AI tools for Teachers organized by Ramakrishna Mission Vivekananda Centenary College (Autonomous), Kolkata from Dec 14-20, 2023.

Ramakrishna Mission
Vivekananda Centenary College(Autonomous)
NAAC A++ Accredited

Chaudhary Charan Singh University, Meerut
NAAC A++ Accredited

Certificate

This is to certify that

Vidhya.V

Sri Venkateswara College of Engineering

has participated in the **One Week National level Online Faculty Development Program**

on **Outcome Based Education and Essential AI Tools for Teachers,**

organised by the **Internal Quality Assurance Cell (IQAC)**

of **Ramakrishna Mission Vivekananda Centenary College (Autonomous), Rahara, Kolkata**

in association with **The Department of Mathematics, Chaudhary Charan Singh University, Meerut**

and Co-hosted by **ipsr solutions limited** from **14 December 2023** to **20 December 2023**

and has successfully completed all the tasks, assignments and assessments and secured an **A grade**

Certificate ID: 42zVsnEqNA

Swami Kamalasthananda
Principal
Ramakrishna Mission Vivekananda

Dr. Mendus Jacob
Professor & Director MCA,
Marian College, Kuttikkanam (Autonomous)

Prof. Dr. Shivraj Singh
HOD
Department of Mathematics

Ramakrishna Mission
Vivekananda Centenary College(Autonomous)
NAAC A++ Accredited

Chaudhary Charan Singh University, Meerut
NAAC A++ Accredited

Certificate

This is to certify that

Sivakumar E, Asst Professor

Department of Information Technology, Sri Venkateswara College of Engineering

has participated in the **One Week National level Online Faculty Development Program**

on **Outcome Based Education and Essential AI Tools for Teachers,**

organised by the **Internal Quality Assurance Cell (IQAC)**

of **Ramakrishna Mission Vivekananda Centenary College (Autonomous), Rahara, Kolkata**

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Certificate ID: iDyVhzvRj5

Swami Kamalasthananda
Principal

Dr. Mendus Jacob
Professor & Director MCA,

Prof. Dr. Shivraj Singh
HOD

FDP ATTENDED BY STAFF

Mr. Sundaranarayanan.S
Ms. A. Gajalakshmi &
Ms. J. Ambica
participated in the Five day Skill development training program in 2D and 3D drafting using AutoCAD organized by the department of Mechanical Engineering from December 11th, 2023 to December 15th, 2023.

VISIT TO RELA HOSPITAL

Dr. V.Vidhya, Dr. N. Devi & Dr. D. Jayanthi, members of data science group visited Rela Hospital on December 22, 2023 and had a productive meeting with Dr. Ilankumaran, a liver transplant specialist, who expressed readiness to support our students for internships across various fields including full-stack development, medical database management, data science, AI, and related areas. Dr. Ilankumaran is scheduled to visit our campus in January 2024.

Sri Venkateswara College of Engineering

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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Email: acm@svce.ac.in

Sri Venkateswara College of Engineering

DEPARTMENT OF INFORMATION TECHNOLOGY

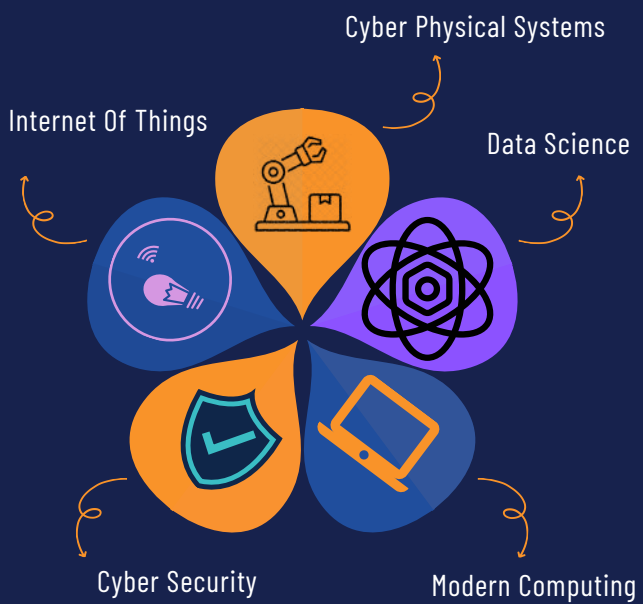
SALIENT FEATURES

- 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



CAMPUS ADDRESS

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

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

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

SVCE | Sri Venkateswara College of Engineering

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www.svce.ac.in

DEPARTMENT OF INFORMATION TECHNOLOGY

New Program

M.TECH

CYBER FORENSICS AND INFORMATION SECURITY

For more information please contact :

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

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.