



Sri Venkateswara College of Engineering

Issue: 4

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Newsletter February 2023

DEPARTMENT OF INFORMATION TECHNOLOGY

SRI VENKATESWARA COLLEGE

OF ENGINEERING

Sriperumbudur - 602 117 (Autonomous- affiliated to

Anna University)



ISO 9001:2015 Certified by IRIS

MCA 21 REGD. NO. RA/1/01

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A large, orange, starburst-like graphic is located in the top left corner of the page. It has multiple pointed edges, resembling a stylized sun or a star.

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:** 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.

INDUSTRIAL VISIT



Third year IT A students went on an Industrial Visit to Adani Port, on February 3, 2023.



Third year IT B students went on an Industrial Visit to Adani Port, on February 8, 2023.



Final year IT A & B students went on an Industrial Visit to Adani Port, on February 13, 2023.

INDUSTRIAL VISIT



First year IT B students went on an Industrial Visit to M/s. Arul Devi paper Mills, on February 17, 2023.

DISASTER AWARENESS AND MANAGEMENT TRAINING

Selected students of first year IT attended the One-day workshop on “Disaster Awareness and Management Training” (Second Phase) held on February 18, 2023.

INTERNSHIP

9 students of Third Year IT -Aishwarya S, Karthikeyan E, Kamalesh S, Akash M, Aakash Arumugam, Rahul M S, Yuheshwar K S, Farheen Ali, Deeparekha Authinathan participated in Imprzd internship program and have successfully completed their internship and are shortlisted to join Imprzd.

Congrats!

INTRAMURAL GRANT

Mr R Satheesh Mr S Ravichandran Mr S Santhosh.	WAFOODS-A Mobile application for Waste Food Management System.	Ms.N.Uma Assistant Professor	Rs. 10,000/
Mr N D Sri Shakthi. Mr S Siddha Mr A Pradeep Rahul	GOD'S Eye Criminal Detection Using Cyber security and Machine learning	Mr.A.R.Guru Gokul Assistant Professor	Rs. 10,000/

Congratulations to the final year students & mentors for receiving the Intramural grant for the Academic Year 2022-2023.

PLACEMENT OFFER

Congrats!



Prasanna R P of Second year M.Tech Cyber Forensics & Information Security got placed in Extreme Networks with a package of 8.8 LPA.

PAPER PUBLICATION

Harish S, Abishek Kevin A, Harsha Vardhan U of IV year IT A, and Sharon Femi P presented a paper titled "Expected Goals Prediction in Football using XGBoost" in the International Conference on Inspiring Innovations in Engineering, Technology & Management 2023 (ICI2ETM-23) held on February 17 & 18, 2023 at ICEEM Campus, Aurangabad.

ACHIEVEMENT

Sri Harihara Sudhan of II year INT 'B' secured First position with a cash prize of Rs.1000 in Paper Presentation event for the paper titled "Code Red" held at Easwari Engineering College on February 25, 2023 under the mentorship of Dr.V.Vidhya, Prof./INT.



ACHIEVEMENT

Mr. Sri Harihara Sudhan of II year INT 'B' secured Second position with a cash amount of Rs.750 for the Shark Tank event held at Easwari Engineering College on February 25, 2023 under the mentorship of Dr.V.Vidhya, Prof./INT.

EXTRA CURRICULAR ACTIVITIES



Ms. Buvarna Rithika M of I year INT 'A' secured third position in the nature art expo conducted by SVCE care club on February 22, 2023.

EXTRA CURRICULAR ACTIVITIES



Team Players

IRISH VARUN S	VI /EEE	SANTHOSH M	III/ IT
DANIYAL RUBAN A	III/ AUTO	ASHWIN K	III/EEE
SHRI GANESHAN N S	III/ EEE	SURESH B	II/EEE
NARENDRA KUMARAN M	III/ EEE	YOKESH S	II/ CSE
VADHU KRISHNA P	III/ AUTO	LOKESH	I/ ECE
MITHUN ARAVIND O	II/ MECH	SARVESH	IT

Basketball(Men) teams secured the Runners position in the CM Trophy 2023. It was organized by the Sports Development Authority of Tamil Nadu held at Kanchipuram District stadium on February 18, 2023.



Jisshnu H J, student of Third year IT A (rank: Cadet warrant officer - CWO) got an opportunity to be a co-pilot in VIRUS SW - 80 which is a microlite training aircraft at Air Force Station Tambaram on February 27, 2023. He flew for 30 minutes at a max altitude of 1000 ft.

MATHCOMPANY QUIZ COMPETITION



MathCompany conducted Quizzard - A quiz competition for SVCE students on February 23, 2023. The event was coordinated by Lekhashree Rajesh, III year IT A, MathCo Campus Ambassador.



PATENT PUBLISHED



Dr. A. Kala, Associate Prof & Dr. P. Sharon Femi, Associate Prof, along with faculty members & students of CS & AD department, published a patent titled "IOT Based WiFi Enabled Smart Gardening System" on February 10, 2023.

FACULTY ACHIEVEMENTS

Ms. K. Kiruthika Devi, Associate Professor successfully completed her PhD Viva-Voce Examination on February 17, 2023.



FACULTY ACHIEVEMENTS

Dr. T. Sukumar, Professor & Asst. HoD served as a Reviewer in the 3rd International Conference on Machine Learning & Smart Systems (MISS-2k23).



FDP ATTENDED



Dr. Leela Rani P , Associate Professor & Mr. AR Guru Gokul, Assistant Professor completed AICTE ATAL Hybrid FDP on "Foundations of Modern Cryptography and Block Chain" from December 19, 2022 to December 30, 2022 at NIT Calicut.

TRAINING ATTENDED

Faculty members & students of Information Technology participated in IP Awareness/Training program on January 30, 2023.

FDP ATTENDED

The listed faculty members attended the FDP on "SHIFT INNOVATION RESILIENT STRATEGIES FOR ACADEMICS" delivered by Prof. Dr. Chockalingam Aravind, Director, Clean Technology Impact Lab, Taylor's University, Malaysia on February 21, 2023.

- Dr. V.M. Sivagami
- Dr. C. Yaashuwanth
- Dr. T. Sukumar
- Dr. N. Devi
- Dr. D. Jayanthi
- Dr. P. Leela Rani
- Dr. P. Sharon Femi
- Ms. A. Indumathi
- Ms. S. Kalavathi
- Ms. N. Uma
- Ms. M. Sugacini
- Mr. S. Aravind Kumar

MOU SIGNING WITH WORLDLINE



A MOU was signed with Worldline on January 31, 2023.

MOU DISCUSSION WITH CTS



A Meeting was held with CTS team about discussion of prospective MoU on February 20, 2023.

FDP & MOU SIGNING @ IT, SVCE



IT department organised a one day FDP on "SHIFT INNOVATION RESILIENT STRATEGIES FOR ACADEMICS" delivered by Prof. Dr. Chockalingam Aravind, Director, Clean Technology Impact Lab, Taylor's University, Malaysia on February 21, 2023. A MOU was signed with the Taylor's University. It was facilitated by Dr. V. Vidhya, Mr. AR. Guru Gokul and Mr. E. Sivakumar.



OUTREACH INITIATIVES

15 students of class XII accompanied by a teacher from Government Higher Secondary School, Mulachur, Kanchipuram district visited the college on February 27, 2023. As a part of the department visit, Mr. E Sivakumar, AP/INT addressed the visitors about the scope of Engineering, IT programme, facilities and opportunities offered at the institution and department.



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
- Mr. E. Sivakumar
Assistant Professor

Newsletter Editor

Dr. P. Leela Rani
Associate Professor

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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/IGPAT 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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DEPARTMENT OF INFORMATION TECHNOLOGY

New Program



M.TECH

CYBER FORENSICS AND INFORMATION SECURITY

For more information please contact :

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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

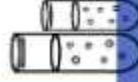
Penetration Tester

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.