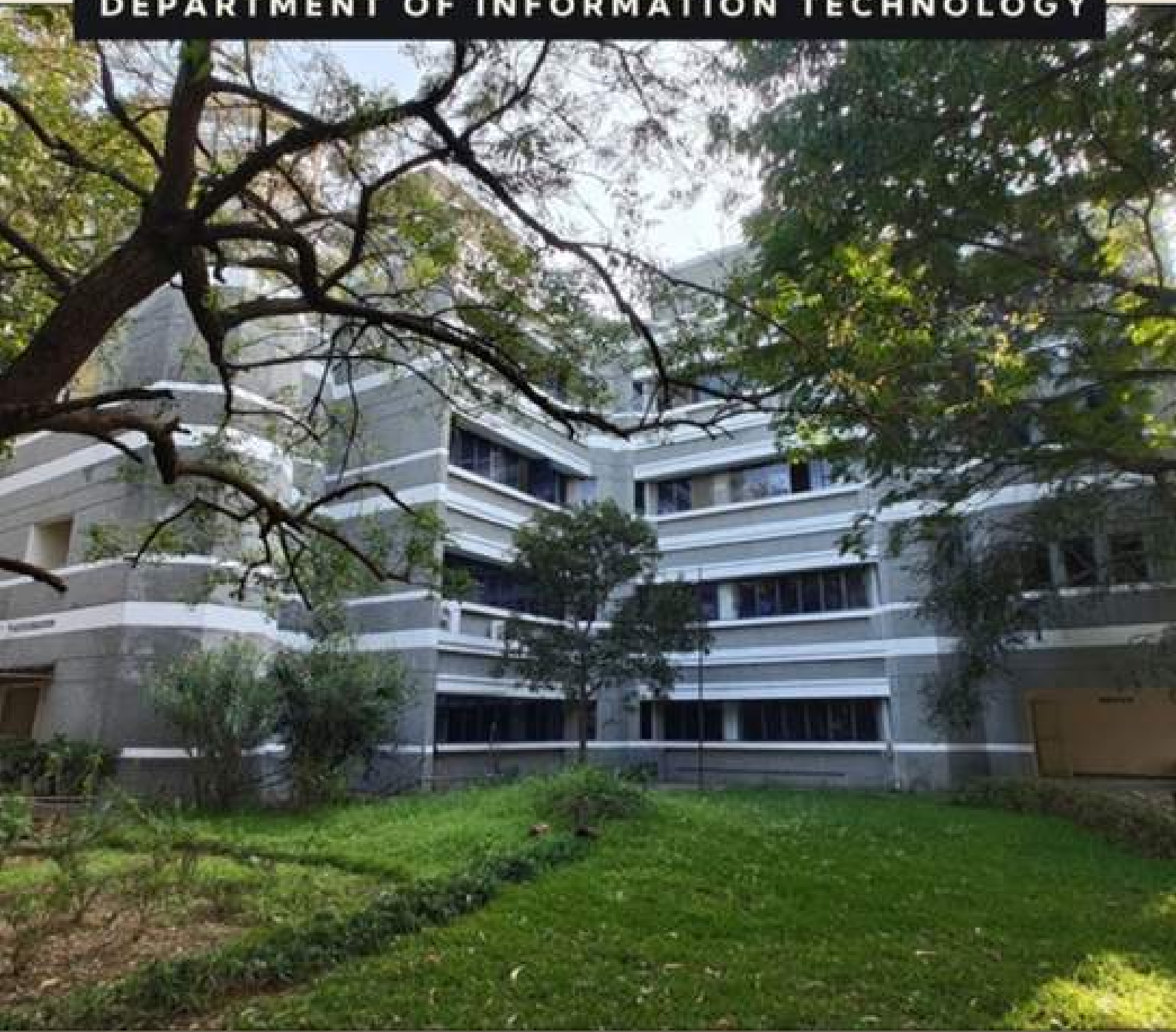


VOLUME NO. 2 // ISSUE NO. 5 // MAR 2024

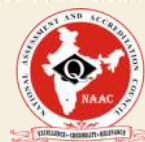
# #ASHTAG

#ITNLMAR2024

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.

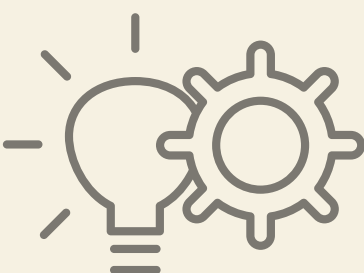
# PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

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.

# PROGRAM 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.

**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.

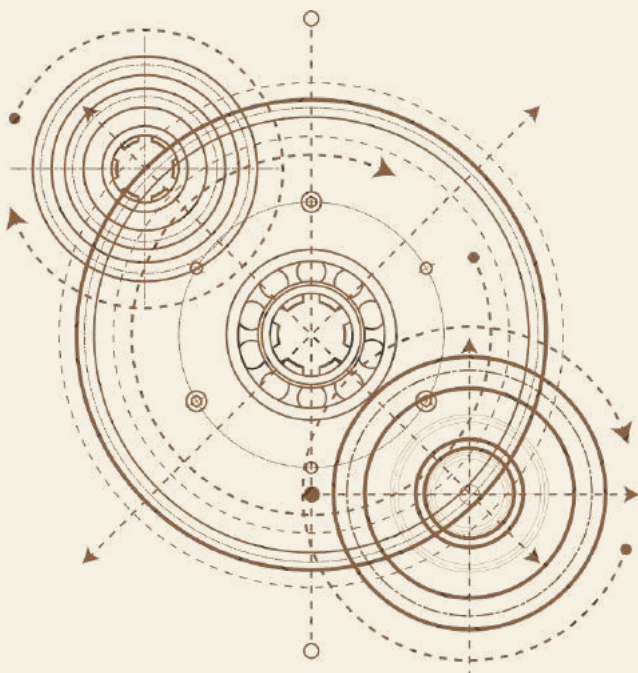
**11. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**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.

# PROGRAM 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

*Congratulation*

## ISTE BEST STUDENT AWARD



S. Pragatheeshwar of III year INT B got selected for ISTE BEST STUDENT AWARD 2023 by ISTE Tamilnadu Section Engineering Students Convention 2024 to be held at P.S.R Engineering College, Sivakasi, Tamilnadu on 06-04-2024.

## PAPER PRESENTATION

Akshaya J & Divya G of II year INT A section secured I prize with a cash prize of Rs.5,000 in the Paper presentation event conducted as part of SAMHITA'24, a national level technical symposium held at Madras Institute of Technology on 16th & 17th March 2024 under the guidance of Dr. P. Leela Rani, ASP/IT.



Dharshini R of II year INT A section secured Runner place in the Paper Presentation event for the paper titled "Object Detector and Navigator for Visually Impaired Using Deep Learning" in MACHINEX '24 -A National Level Technical Symposium organized by SIMATS Engineering on 20.03.2024 under the mentorship of Dr.S.Kalavathi, AP/INT.



# STUDENT ACHIEVEMENTS



“ Dharshini R and Krithika K of II year INT A section secured **Runner** place in the Quiz event in **MACHINEX '24 -A National Level Technical Symposium** organized by SIMATS Engineering on 20.03.2024 under the mentorship of Ms.R.Saktheeswari, AP/INT. ”

Bershey R and Chandrasekar S of I year INT A section secured II prize with a cash prize of Rs.1000 for the Techsprint event of Technovation'24 at Rajalakshmi Engineering College on 26th February 2024 under the mentorship of Ms.S.Aiswarya, AP/INT.



Mr. Abhishek K.B, Mr. Sasikaran M, Mr. Hemanth M of III year A, Ms. Mokshitha S of III year B performed well as a **FINALIST** in the PeCan+ Capture the Flag(CTF) Cyber Security Competition organized by PALS together with Edith Cowan Univeristy, Wester Australia, Invest and Trade Western Australia and CrossBow Labs, India on 5th March, 2024 at IITM Research Park under the mentorship of Mr.AR. Guru Gokul, AP/INT.

# PRESENTATION IN CONFERENCES



Palayil manav, D.Mugesh, S.P.Ramanathan, A.Raghul & Dr. K. Kiruthika Devi presented a paper titled "preliminary detection of crop diseases using UAVs" in the 2nd international conference on Multidisciplinary research and innovation", Radhakrishna Institute of Technology, Bhuvaneshwar.



Swetha.S, Navina.G and Navin Raj RS & Dr. V. M. Sivagami presented a paper titled, "Real time Sign language recognition system using mediapipe holistic framework" at the 12th international conference on contemporary engineering and technology 2024 organized by samarkand state university, Uzbekistan in association with Prince Shri Venkateswara padmavathy engineering college Prince DR. K. Vasudevan College of Engineering & Technology held on 23rd and 24th March 2024.



# STUDENT ACHIEVEMENTS



Rahul T.V of II year INT B along with other department students won I position (Software) with a cash prize of Rs.10000/- in the 24 hours Make-a-thon 5.0 organized by the Department of Electronics and Communication Engineering, SVCE on 22nd and 23rd of March 2024 under the mentorship of Dr.A.Kala, ASP/INT.



## PG DIPLOMA COURSE

Vasanth Kannan of final year IT is pursuing Advanced diploma in game design and development at Bharathidasan university.

# INDUSTRIAL VISIT

Students of Third Year IT A & B went on an Industrial Visit to ISRO SHAR on 21st March 2024.



Students of Second Year IT A & B went on an Industrial Visit to Amirthi forest on 26th March 2024.



# STUDENT ACTIVITIES

On March 18th 2024, 21 students presented their projects at Rela and it was reviewed by the Medical Director Dr. DC Gauthaman and IT expert Mr. Vimal at Rela Hospital, Chromepet.

Coordinators: Dr.V.Vidhya, Dr. N. Devi, Dr. D. Jayanthi.



## BIS STANDARDS CLUB



BIS STANDARDS CLUB conducted the two events on 18 th and 20 th of march 2024.

1. Standard Essay Writing Competitions
2. Innovative contest

Students from the INT Department's BIS Standards club took part in the event with passion and won cash prizes.



# SPORTS



Harish Ragavendra P of Final year IT and Harishvar R of Third year IT are part of SVCE Kho-Kho Team that showed a stunning performance and clinched the Runners up title in SSE Chakra 2024 tournament which was organized by Saveetha Institute of Medical and Technical Sciences, Thandalam on 04/03/2024.



# PARENT-TEACHER MEETING



PTM was held on 23.3.24.



# REMEDIAL CLASSES

Remedial classes were conducted during the month of March.



# PLACEMENT ACTIVITIES

Nithesh Balaji S and Sahana S of final year IT got offer from Crio.do with a salary package of 5.8LPA.

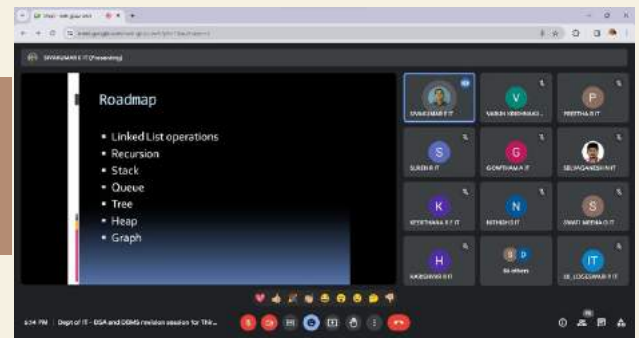


Swetha S of final year IT got offer from KYN with a salary package of 6LPA.



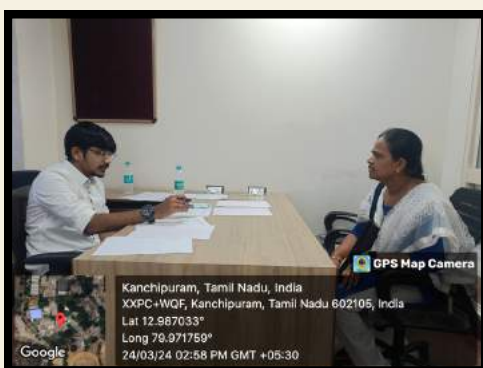
First Naukri placement test was conducted for second and third year students on 7.3.2024.

Online placement training session on DSA concepts was conducted for third year students by Mr.E.Sivakumar, AP/INT on 16.3.2024.



- Online mock placement was conducted for third year students on 17.3.2024.
- Online Placement readiness test was conducted for third year students on 18.3.2024.

Students of third year attended the Mock interview in physical mode on 24.3.2024.



Dr.V.Vidhya and department placement team interacted with HRs from various companies regarding the performance of our third year students in mock interview.

# FACULTY CORNER



## PATENT GRANTED

Dr. N. Gobalakrishnan, ASP/INT, filed a design patent titled “PORTABLE AI DEVICE FOR INTELLIGENT CLASSROOM”, which was published in the Indian Patent Office and also granted.



DR. N. GOBALAKRISHNAN

## RESOURCE PERSONS

Dr. V. Vidhya, Dr. A. Kala, Dr. P. Sharon Femi, Ms. R. Saktheeswari visited government school and delivered a talk on 28/03/2024 as a part of Unnat Bharath Abhiyan.



DR. V.M.SIVAGAMI

- Acted as Oral Examiner for NPTEL course viva exam for ECE Students for the subject Joy of computing Using Python on 4/03/2024.
- Acted as Resource person and delivered technical talk on "Video Generation using Gen AI" at Loyola Institute of Science and technology ,Thovalai on 13/03/2024.

Dr. N. Devi, Dr. P. Leela Rani & Mr. AR. Guru Gokul acted as resource persons for a five day value added course on “cyber security and cyber forensics” from 26th March 2024 to 30th March 2024 at HKBK Engineering college, Bangalore.



Acted as Oral Examiner for NPTEL course viva exam for ECE Students for the subject Joy of computing Using Python on 5/03/2024.

DR. P. LEELA RANI



DR. A. KALA

- Delivered a talk "Supervised Learning in AI and ML" in a webinar organized by Loyola Institute of Technology on 12-03-2024.
- Acted as an Examiner for NPTEL oral examination for ECE department.



DR. K. KIRUTHIKA  
DEVI

- Delivered a technical talk titled "A Hands on approach to implementing Machine Learning algorithms using Python" on 9/03/2024 at Loyola Institute of Technology and Science.
- Acted as Examiner for NPTEL oral exam conducted on 6/03/2024 for ECE students for the subject "The Joy of computing python".





DR. P. SHARON FEMI

- Delivered a talk on "Probabilistic Reasoning in Learning in AI & ML" in a webinar organized by Loyola Institute of Technology on 29/02/2024.
- Acted as a Session Chair in the Two-day International Conference on Data Intelligence and Secure Computing (DISC 2024) during 08 - 09, March 2024 at Amrita Vishwa Vidyapeetham, Chennai Campus.



MR. S. SIVAALAGESH

served as a resource person for the motivational session on Pentathlon 2024 (Cybersecurity & Ethical Hacking) for CSE & IT students, organized by IIC SVCE on 13/03/2024.

## BOOK CHAPTER PUBLICATION



ELAKYA R

Published two book chapters in the book “Synergizing AI and Blockchain: Transforming Aerospace Engineering Operations” published by IGI GLOBAL.

Chapter 10  
Synergizing AI and Blockchain:  
Transforming Aerospace  
Engineering Operations

**R. Elakya**  
Sri Venkateswara College of  
Engineering, India

**R. Thanga Selvi**  
Vel Tech Rangarajan Dr. Sagunthala  
R&D Institute of Science and  
Technology, India

**T. Manoranjitham**  
SRM Institute of Science and  
Technology, India

**S. Shanthana**  
Rajalakshmi Institute of Technology,  
Chennai, India

Chapter 9  
Synergizing Aerospace  
Efficiency:  
Blockchain and AI Integration  
for Enhanced Security in  
Flight Data Management

**S. Surya**  
Saveetha Engineering College, India

**R. Elakya**  
Sri Venkateswara College of Engineering, India

**S. Selvanayagi**  
Saveetha Engineering College, India

# EVENTS ORGANIZED



## SUKALP

Dr N Gobalakrishnan, Dr. P Sharon Femi, Dr K Kiruthika Devi, Associate Professors, Mr. E. Sivakumar, Assistant Professor supported SUKALP activities.



# STAFF DEVELOPMENT PROGRAMME

The department organized a 5-Day Staff Development Program-Enhancing Digital Literacy for the members of the staff across the department from March 11-15,2024. Dr. A. Kala & Dr. P. Sharon Femi, Associate Professors, Mr. AR. Guru Gokul & Mr. E. Sivakumar Assistant Professors delivered talks on various topics.



# EVENTS ORGANIZED

## AIT EVENTS

organized Webinar on "Microsoft power platform" on 13th March 2024. Ms Rukmani Devi A R, IT Alumna (2013-2017), Technical Consultant, AstraZeneca was the resource person.



AIT conducted Technoways 2024 on 15th and 16th March 2024 Technoways-2024. The following events were organized:

1. Ctrl+Alt+Debate
2. Haijo
3. Pixel Palette
4. Workshop on "Digital Detective: Cyber Forensics and IOT"



Conducted Webinar on "Bigdata with Cloud" on 22nd March 2024 Mr. Hariharan D, IT Alumni (2012-16), Senior Data Engineer, Walmart Global tech, Bengaluru was the resource person.



# EVENTS ATTENDED



Attended International conference on "Research Trends in AI and IOT for Industry and Infrastructure" from 6th March to 8th March 2024 at Anna University.



DR. C. YAASHUWANTH



DR. V.M.SIVAGAMI



DR. D. JAYANTHI

Mr. S. Siva Alagesh along with third year students Abhishek & Sasikaran, attended pre workshop for Pentathon2024 at St.josephs institute of technology on 11/03/2024.



# COMPANY VISIT



Dr.V. Vidhya visited L&T edutech on 19th March 2024 to discuss the possibility of collaboration.



## 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. Selvaganesh  
( Assistant Professor )

## NEWSLETTER EDITORS

Dr. P. Leela Rani  
( Associate Professor )



A. Aarthi  
(II Year IT-A)



M. Buvarna Rithika  
(II Year IT-A)



S. Keerthana  
(II Year IT-A)



Sanjana Madankumar  
(I Year IT-B)



### CAMPUS ADDRESS

Sri Venkateswara College of Engineering ,  
Post Bag No.1, Pennalur Village, Chennai - Bengaluru Highways,  
Sriperumbudur (off Chennai) Tk. - 602 117  
Tamil Nadu, India

# 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

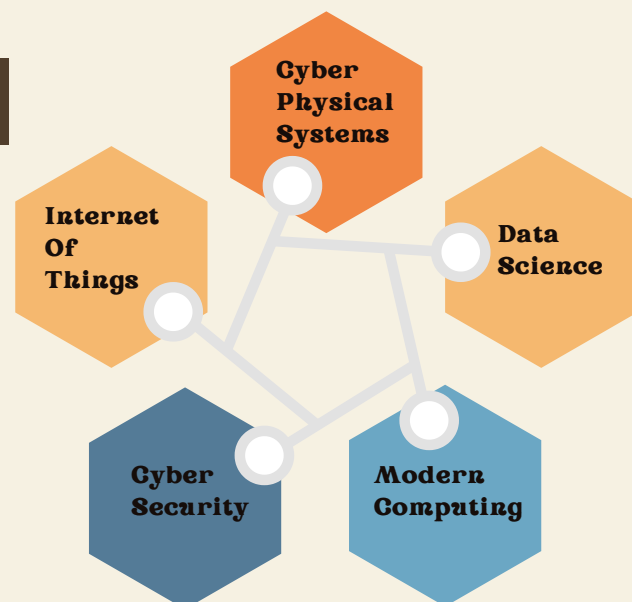
- B.Tech Information Technology
- M.Tech Cyber Forensics and Information Security
- Doctor of Philosophy (Ph.D)

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Post Bag No.1, Pennalur Village, Chennai - Bengaluru  
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.12,400 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, Gandhan 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 Infozant (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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[www.svce.ac.in](http://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](mailto: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

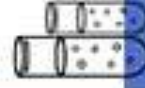
Penetration Tester

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.