HASHTAG

#ITNLAPR2024

DEPARTMENT OF INFORMATION TECHNOLOGY

CONTENTS

SVCE | 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.
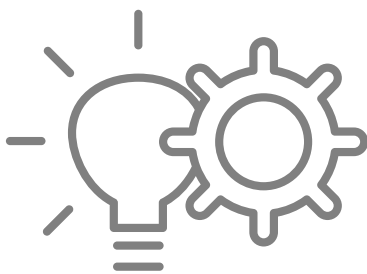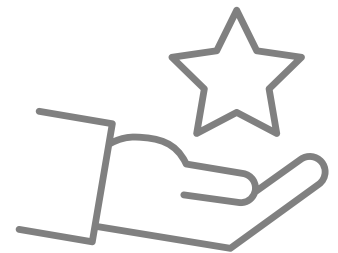
PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

The graduates of Information Technology program will demonstrate themselves as leading professionals.

The graduates of Information Technology program will be equipped with the necessary skills to become proficient researchers.

The graduates of Information Technology program will demonstrate their abilities as successful entrepreneurs.

The graduates of Information Technology program will excel in higher studies or modern administrative services.

PROGRAM OUTCOMES (POs)

- **Engineering Knowledge:** Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

- **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.

- **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.

- **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.

- **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.

- **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.

- **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.

- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

- **Individual and team work:** Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.

- **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.

- **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.

- **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.

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STUDENT ACHIEVEMENTS

PLACEMENT CORNER

Preetha B of third year got an offer from **Securin** with a salary package of **8LPA.**

Chithaprabhakaran K of third year got an offer from **Testsigma** with a salary package of **6LPA.**

Logeswari P of third year got an offer from **Testsigma** with a salary package of **6LPA.**

Sri Venkateswara
College of
Engineering

STUDENT ACHIEVEMENTS

PLACEMENT CORNER

Ramanathan S P third year got an offer from **Testsigma** with a salary package of **6LPA.**

Students of Second year attended the Bounteous campus connect program on 12.04.2024.

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STUDENT ACHIEVEMENTS

PLACEMENT CORNER

Gayathri N of final year got an offer from **Sureti IMP** with a salary package of **2.5LPA.**

Harish Ragavendra P of final year got an offer from **Sureti IMP** with a salary package of **2.5LPA.**

Keerthana P of final year got an offer from **Sureti IMP** with a salary package of **2.5LPA.**

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STUDENT ACHIEVEMENTS

PLACEMENT CORNER

Praveen Kumar R of final year got an offer from **Sureti IMP** with a salary package of **2.5LPA.**

Santhanabharathi P of final year got an offer from **Sureti IMP** with a salary package of **2.5LPA.**

Saran Kumar S of final year got an offer from **Sureti IMP** with a salary package of **2.5LPA.**

STUDENT ACHIEVEMENTS

PLACEMENT CORNER

Vijay K of final year got offers from **Sureti IMP** and **RAX Tech** with a salary package of **2.5LPA** and **3LPA** respectively.

Jyothi Prabha SS of final year got an offer from **Sureti IMP** with a salary package of **2.5LPA.**

Aravind J of final year got an offer from **Movate** with a salary package of **3LPA.**

Srigopinath A of final year got an offer from **Movate** with a salary package of **3LPA.**

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STUDENT ACHIEVEMENTS

PLACEMENT CORNER

Bharath S of final year got an offer from **Movate** with a salary package of **3LPA**

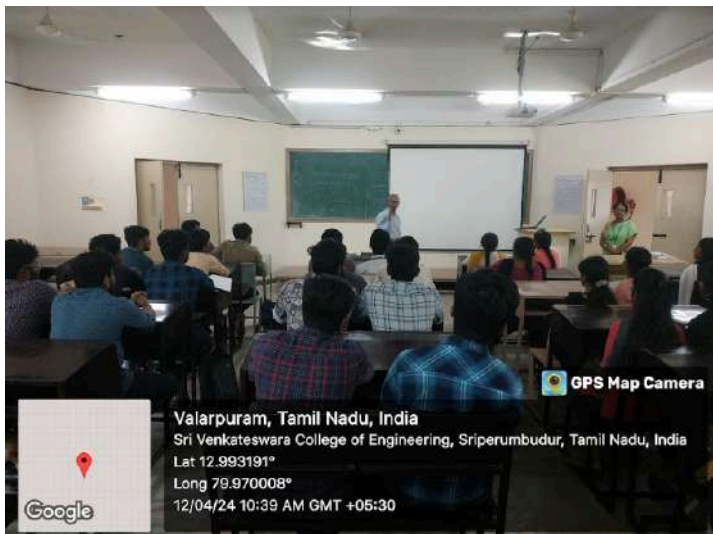**Pranav S** of final year got an offer from **Movate** with a salary package of **3LPA.**

Santhosh K of final year got an offer from **Movate** with a salary package of **3LPA.**

OPTION B STUDENTS

Interaction with III Year Option B Students (Higher studies)

Mr. MV. Krushnakkumar, Manager- Student Counselling Services, Education Matters visited G-Cell Facility and interacted with III IT Option B Student (Higher studies) on 12.04.2024 and 15.04.2024.
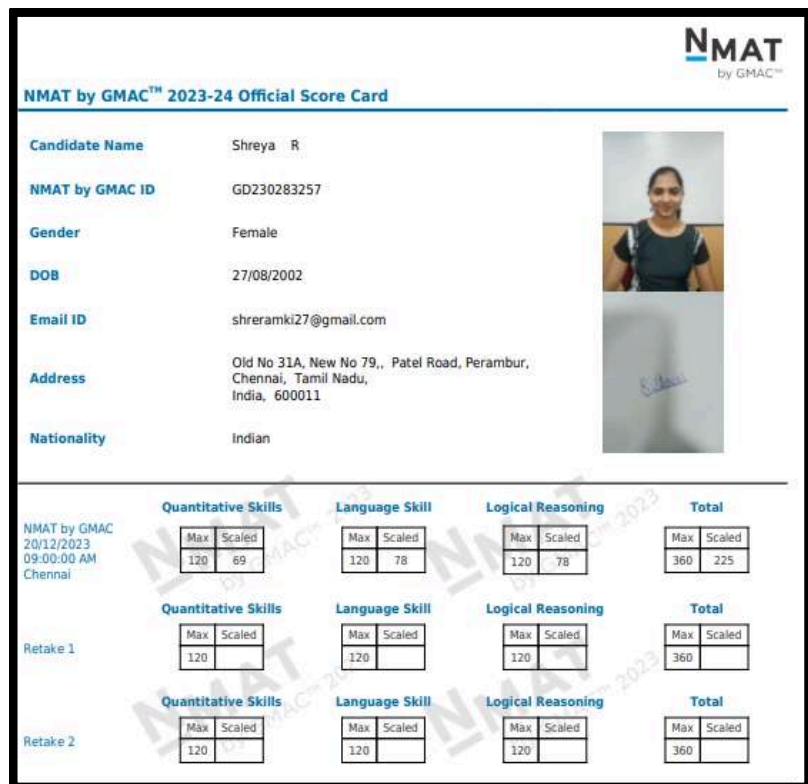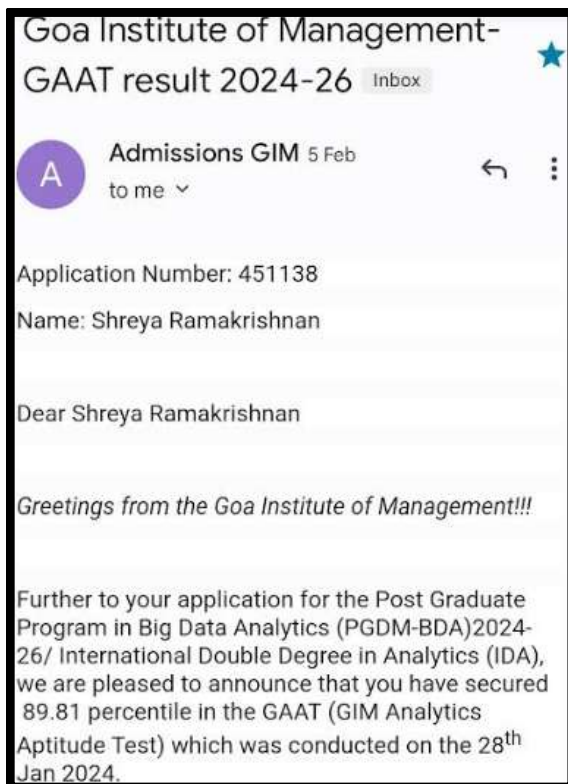
STUDENT ACHIEVEMENTS

Shreya R - INT B, Batch 2020-2024 and chose Option B (Higher Studies) to pursue higher education.
she wrote 5 MBA entrance tests as mentioned below :
1. CAT
2. NMAT
3. SNAP
4. XAT
5. GAAT (Conducted by Goa Institute of Management for PGDM - BDA course only).
She got admission letter from Goa Institute of Management.
and also from two other colleges (SDA Bocconi Asia Center [with 50% scholarship] and NMIMS Hyderabad).

Goa Institute of Management- GAAT result 2024-26   Inbox

A   Admissions GIM 5 Feb
to me

Application Number: 451138

Name: Shreya Ramakrishnan

Dear Shreya Ramakrishnan

Greetings from the Goa Institute of Management!!!

Further to your application for the Post Graduate Program in Big Data Analytics (PGDM-BDA)2024-26/ International Double Degree in Analytics (IDA), we are pleased to announce that you have secured 89.81 percentile in the GAAT (GIM Analytics Aptitude Test) which was conducted on the 28th Jan 2024.

NMAT
by GMAC

NMAT by GMAC™ 2023-24 Official Score Card

Candidate Name	Shreya R
NMAT by GMAC ID	GD230283257
Gender	Female
DOB	27/08/2002
Email ID	shreramki27@gmail.com
Address	Old No 31A, New No 79,, Patel Road, Perambur, Chennai, Tamil Nadu, India, 600011
Nationality	Indian

	Quantitative Skills		Language Skill		Logical Reasoning		Total	
	Max	Scaled	Max	Scaled	Max	Scaled	Max	Scaled
NMAT by GMAC 20/12/2023 09:00:00 AM Chennai	120	69	120	78	120	78	360	225
	Quantitative Skills		Language Skill		Logical Reasoning		Total	
	Max	Scaled	Max	Scaled	Max	Scaled	Max	Scaled
Retake 1	120		120		120		360	
	Quantitative Skills		Language Skill		Logical Reasoning		Total	
	Max	Scaled	Max	Scaled	Max	Scaled	Max	Scaled
Retake 2	120		120		120		360	

STUDENT ACHIEVEMENTS

COLLEGE DAY AWARD WINNERS

Mr. T. S. Sanjiv, a final year student, received the **Outstanding Sportsman Award.**

Ms. U. J. Akshara, a final year student received the **ATHAYEE ELAYAPPA AWARD.**

Mr. H. J. Jisshnu a final year student received the **OUTSTANDING NCC AWARD.**

Mr. J. Sri Hari Soundar and **Ms. G. Divya**, second year students of Information Technology, received the **Budding Bright Engineer Award**.

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STUDENT ACHIEVEMENTS

ISTE BEST STUDENT AWARD

Pragatheeswarar S, Third year IT student received the **ISTE BEST STUDENT AWARD.**

STUDENT ACTIVITIES

HackIT 3.0

The Department of Information Technology in collaboration with the CSI- SVCE Student Chapter and AIT in partnership with Mr Cooper, India organized an inter-college hackathon, **HackIT 3.0** from April 2nd to 3rd, 2024.

HackIT 3.0 garnered a lot of interest from participants across various institutions, and many teams expressed their enthusiasm by registering their teams. In total, 60 teams signed up for the event, out of which 37 teams, comprising 180 participants, successfully qualified after rigorous screening. 17 teams from other institutions, including those from cities like Coimbatore, Erode, Namakkal, and Salem actively participated in this hackathon.

The prize amount of Rs.30000 was sponsored by Mr.Cooper for the winners (Rs.15000 for I place, Rs.10,000 for II place and Rs.5,000 for III place).
The event was published in the **Tamil Hindu on 9th April 2024.**

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STUDENT ACTIVITIES

Ease the error 4.0

As part of FODSE, an 36-hour hackathon Ease the error 4.0 was conducted on April 6th and 7th 2024. Dr.N.Devi, Dr.D.Jayanthi, Ms.M.Sugacini and Mr.S.Sivaalagesh were the coordinators.

STUDENT ACTIVITIES

Ease the error 4.0

Teams That Won Internships

Team name: System Zombies-SVCE
Problem domain: Blockchain
Team: Raja Rajesvari-INT(III), Raghul A-INT(III), Ramanathan-INT(III), Mugesh D-INT(III)

Team name: Dexters-SVCE
Problem domain: Disaster Management
Team: Shanmathi V-CSE(II),Rashmika R S-IT(II),Raja Vishalini G-IT(II) Keerthana S-IT(II),Sowndarya S-IT(II),Supraja S-IT(II)

STUDENT ACHIEVEMENTS

Yogitha S of III year IT-B has secured the **second prize** with a cash prize of **Rs.500** in Knowing your rights drawing event conducted at our college .

M.Sasikaran of III year INT 'A' section won **I position** with a cash prize of **Rs.1000/-** in Capture the Flag event in the National Level Technical symposium organized by JCT College of Engineering and Technology, Coimbatore on 3rd April, 2024 under the mentorship of Mr.AR. Guru Gokul, AP/INT.

Sanjai Solairaja and Raja Vishalini G of II year INT B participated in the PALS flagship event **innoWAH!** the innovation competition exhibition scheduled on, Saturday,23rd March 2024 at The Terrace, IIT Madras.

STUDENT ACHIEVEMENTS

Santhosh A of II year INT B section secured Winner place in the Quiz event during MACHINEX '24 -A National Level Technical Symposium organized by SIMATS Engineering on 20.03.2024 under the mentorship of Dr.A.Kala, ASP/INT.

Abhishek K.B and Sasikaran M of III year INT A secured II place in the event Bug Bounty at the Cyber Carnival'24 conducted by SRM Institute of Science and Technology, Ramapuram held on 12th and 13th February 2024 under the mentorship of Mr.AR. Guru Gokul, AP/INT.

SPORTS

Our College's **Cricket team** (**Sanjiv T S** IV INT, **Niranjan** III INT,**Sanjaisolairaja** II/INT and others) bagged the **Runners up trophy** in the **13th Smt Manjula Munirathinam Memorial Cricket Tournament-2024** organized by **RMK Engineering College** during 1st to 5th April 2024.

Sewak S , I year IT student, has won **3 gold medals** in 5000 metres, 1500 metres running and 4×400 Relay.

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FACULTY CORNER

COLLEGE DAY AWARD WINNERS.

Mr. S. Manigandan, Computer Operator Grade received award for **25 years of Service completion.**
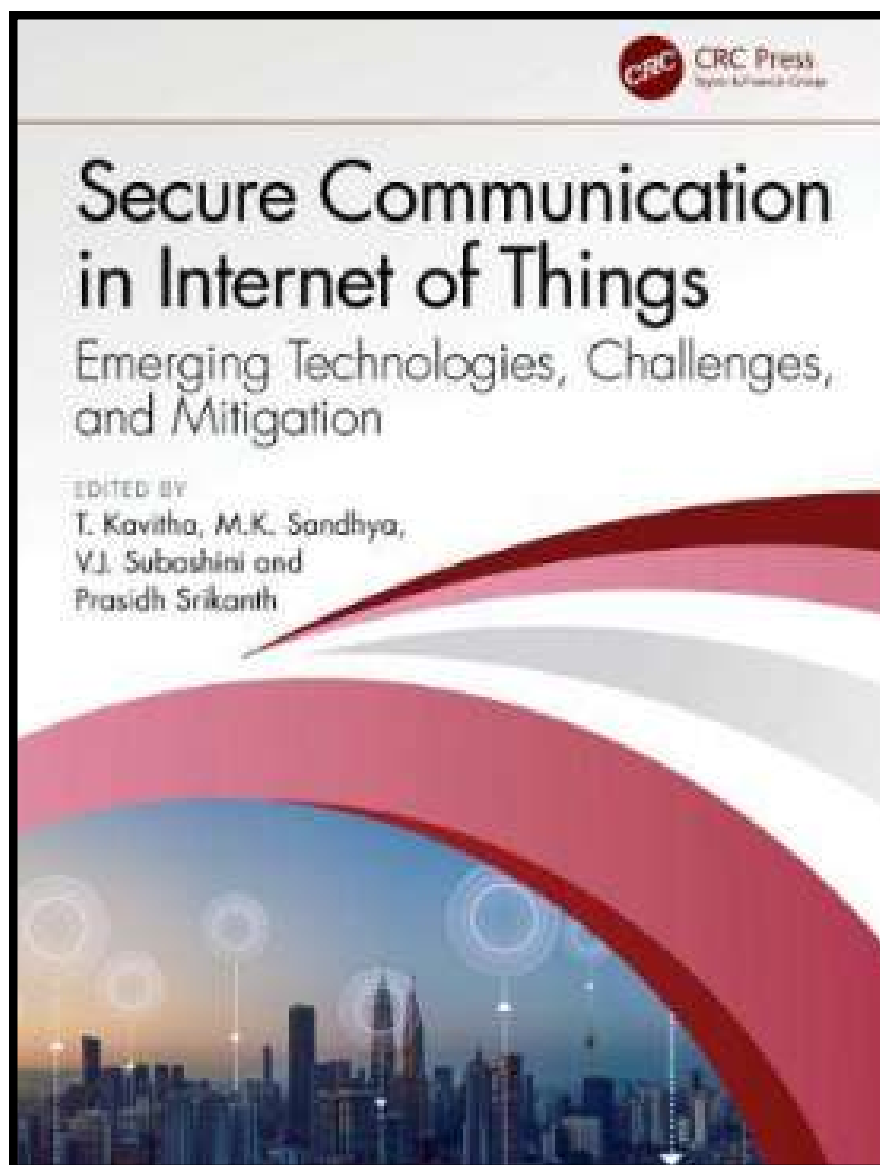

Dr. N. Devi, Associate Professor, joined SVCE on June 4, 2003 and received award for **20 years of Service completion.**

Mr. AR. Guru Gokul, Assistant Professor received the **Star Performers award**.

FACULTY CORNER

Dr.V.M.Sivagami,Dr.N.Devi,Dr.K.Kiruthika Devi, with former faculty **Dr.S.Swarnaparvathi** and our student **M.Deekshitha** published book chapters, in **"Secure Communication in Internet of Things-CRC Press" ,**Taylor and Francis Group.

(Chapter 8:Authentication ,Authorization and Anonymization Techniques in the IOT
V.M.Sivagami,M.Deekshitha,N.Devi and S,SwarnaParvathi
Chapter 21:Threat Models and attack strategies in the Internet of Things
V.M.Sivagami,K,KiruthikaDevi,V.Vidhya,S.SwarnaParvathi)

FACULTY CORNER

Dr. T. SUKUMAR served as a jury member for the Research Day organized by the ADS department.

Dr. D. Jayanthi received **an appreciation certificate** for delivering a technical talk on **"Generative AI and Large Language Models"** in the **Faculty development and Training Program** held on 29.2.2024 organised by the Department of Computer Science and Engineering, **Sairam Engineering College, Chennai**.

FACULTY CORNER

SHARON FEMI P acted as Jury member for evaluating the projects of ECE students for the Students' Research Day (SVCE INNOVATES 2024) on 16th April 2024.

EVENTS ATTENDED

Dr. V. Vidhya received **a Participation certificate** for attending a National Level Online Lecture Workshop entitled **"UGC Guidelines for Maintenance of Standards in Autonomous Colleges"** held on 11.04.2024 conducted by FDP DIVISION, A. G. T. Academy, Kerala.
Prof.(Dr). Roy C Mathew, Mahatma Gandhi University, served as Resource Person.

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Paper Presentation in Conferences

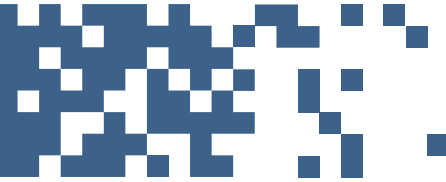Dr. D. Jayanthi, Mr. S. Sai Nithish, Mr.K. Naveen Akash and Ms. V. Nanthanavalli (III Year IT) presented a paper titled "An Analysis of Dropout Students in the Education System of Gujarat", in the INTERNATIONAL CONFERENCE ON COMPUTING AND DATA SCIENCE (ICCDS-2024) organized by the Department of Computer Science and Engineering, Rajalakshmi Engineering College, Chennai on 26th and 27th April 2024.

FACULTY CORNER

Paper Presentation in Conferences

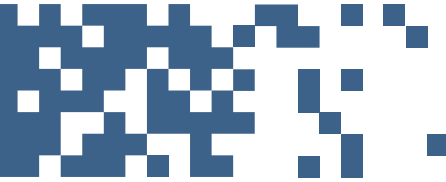Puja Sri.R, Pavithra.V and Vassantha.S and Dr.V.M.Sivagami prof/IT, presented a paper titled "Electronic Health Record Using Block chain technology" at the 4th International conference on Recent trends in Engineering,Technology and Management organized by Suguna College of Engineering in association with organization of Science & Engineering in collaboration with Samarkhand state university,UZBEKISTAN

FACULTY CORNER

Paper Presentation in Conferences

Dr.N.Devi Associate professor, Devanathan P, Hemanthraj V, Sriram N, IV Year B.Tech IT, Sri Venkateswara College of engineering presented a paper titled Enhanced Vehicular Emission Monitoring And Alerting System Using IOT in 4th National virtual Conference on Recent Advances in Technology & Engineering (CRATE-2024) organized by VEMU Institute of Technology (Autonomous), Chittoor, Andhra Pradesh, India, during 26 - 27, April 2024

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Paper Presentation in Conferences

Mr.AR.Guru Gokul, Dr.P.Leela Rani and Dr.N.Devi presented a paper titled Categorization of Pneumonia from Chest X-ray Images using Deep Neural Networks in 4th National virtual Conference on Recent Advances in Technology & Engineering (CRATE-2024) organized by VEMU Institute of Technology (Autonomous), Chittoor, Andhra Pradesh, India, during 26 - 27, April 2024.
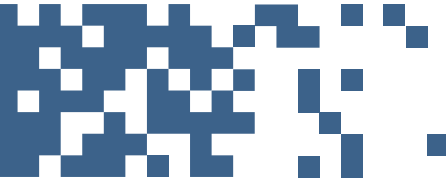
FACULTY CORNER
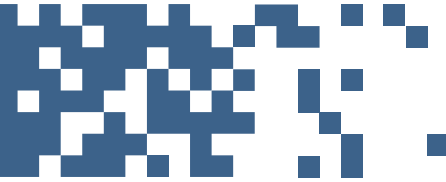
Paper Presentation in Conferences

Mr.AR.Guru Gokul, Rishi Mundra, Barath S, Santhosh K final year IT students presented a paper titled A novel method for Autism Spectrum using K-nn classifier model in 4th International Conference on Artificial Intelligence and Smart Computing (ICAISC-24) organized by Bannari Amman Institute of Technology, Sathyamangalam during 14th to 16th March 2024.

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Paper Presentation in Conferences

Mr.AR.Guru Gokul, Dr.P.Leela Rani and Dr.N.Devi from Department of information technology, Sri Venkateswara College of engineering had presented a paper titled Utilizing Deep Neural networks for classification of Pneumonia in Chest X-ray Images in 4th International Conference on Artificial Intelligence and Smart Computing (ICAISC-24) organized by Bannari Amman Institute of Technology, Sathyamangalam during 14th to 16th March 2024.

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Paper Presentation in Conferences

Dr.P.Leela Rani, Mythra M, Farheen Ali and Deepak J. students of IV Year B.Tech IT, Sri Venkateswara College of engineering presented a paper titled Forensic Face-sketch Creation and Recognition using AWS Rekognition and Facenet in National Conference On Transforming Business by Leveraging Talent, Innovation & Disruptive Technologies, 26th & 27th April 2024

Dr.P.Leela Rani , Aishwarya S and Manogna Bollineni IV Year B.Tech IT students presented a paper titled Conversational Agent for Website Engagement using LLaMA 2 in National Conference On Transforming Business by Leveraging Talent, Innovation & Disruptive Technologies, 26th & 27th April 2024

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EVENTS ORGANIZED

Dr. V.M.Sivagami, Dr. D. Jayanthi, Dr. K. Kiruthika Devi and
Dr. S. Kalavathi, organized a five days online FDP on "Cyber Security
and SIEM -Powered by QRadar" in association with IBM, from 22 nd
April to 26 th April 2024.

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EVENTS ORGANIZED

Dr.V.M.Sivagami, Dr.A.Kala organized "Two Day Workshop on Power BI and Tableau: Harnessing AI for Data Anaysis" in association with SVCE-IQAC and Association of Information Technologists during 29th and 30thApril 2024

WINNERS OF STUDENTS' RESEARCH DAY

SVCE Students' Research Day is a yearly event designed to highlight the breadth of research and scholarly activities that undergraduate and Post-graduate students have accomplished during their studies. It provides an opportunity for staff and students to meet and share their experiences, ongoing research work and ideas, to promote discussions and strengthen collaboration across the departments.

1st prize
Subash V III
Naveen Akash K III under the guidance of **Mr. A.R. Guru Gokul & Mr. E. Sivakumar**

2nd prize
Sanjiv T S IV
Srijan Kumar N IV
Sushant Sriram R S IV under the guidance of **Dr.T.Sukumar**

3rd prize
Kaushick V S III
Keerthana M III
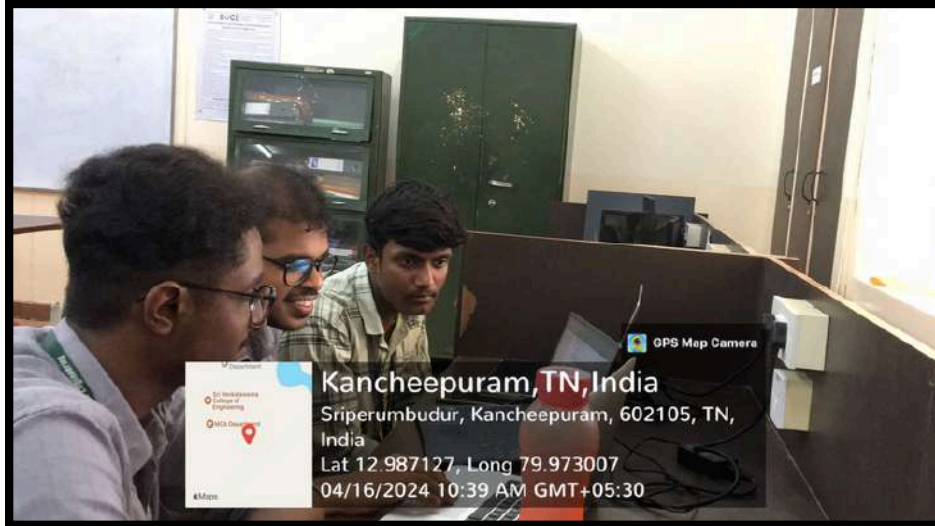Keerthana P III under the guidance of **Dr.D.Jayanthi**

3rd prize
D.Mugesh
A.Rahul
SP.Ramanathan under the guidance of **Dr.N.Devi**

MEMORIES OF STUDENTS' RESEARCH DAY

BOARD OF STUDIES MEETING

he Board of Studies for the Faculty of Information Technology was held on 22.04.2024 at 9:30am in the Dr. AC Muthiah Library Conference Hall to finalize R2022 (Semesters 5 to 8) B.Tech IT syllabus.

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

![SVCE | 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.
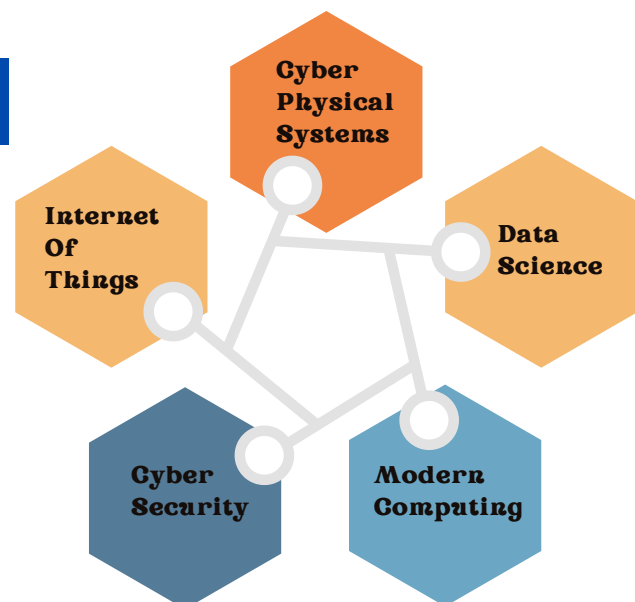- An exclusive product development centre.

PROGRAMMES OFFERED

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

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

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

(Autonomous) Affiliated to Anna University
Sriperumbudur Tk-602117, Tamil Nadu, India
www.svce.ac.in

DEPARTMENT OF INFORMATION TECHNOLOGY

✦ New Program ✦

M.TECH
CYBER FORENSICS AND INFORMATION SECURITY

1 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
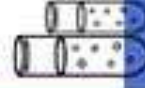- Forensic Computer Analyst
- Information Security Analyst
- Penetration Tester
- Security Architect
- IT Security Engineer
- Security Systems Administrator
- IT Security Consultant

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 month.

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 MoUs 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

For more information please contact :

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Email: hodit@svce.ac.in