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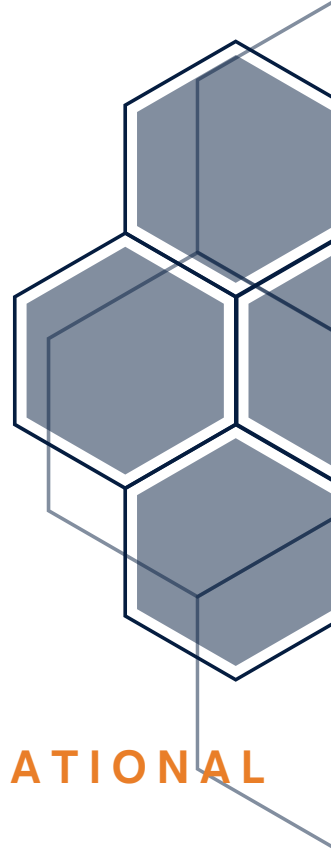
HASHTAG

#ITNLOCT2024

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.

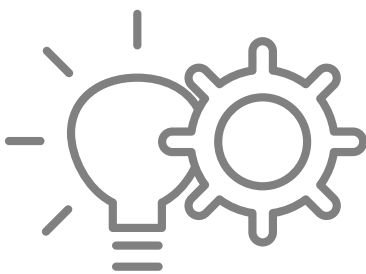
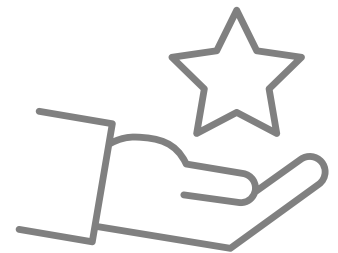
PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

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:** 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.

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- **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.

STUDENT ACHIEVEMENTS

Congrats!

G. A. John Bellarmine, B. Hemanath, Ashwin S and Karnan S from II year IT – A secured **I prize** with cash prize of Rs. 4000 in the **Connections event** conducted by the Bureau of Indian Standards Club on 9th October 2024, on the occasion of “World Standards day”.



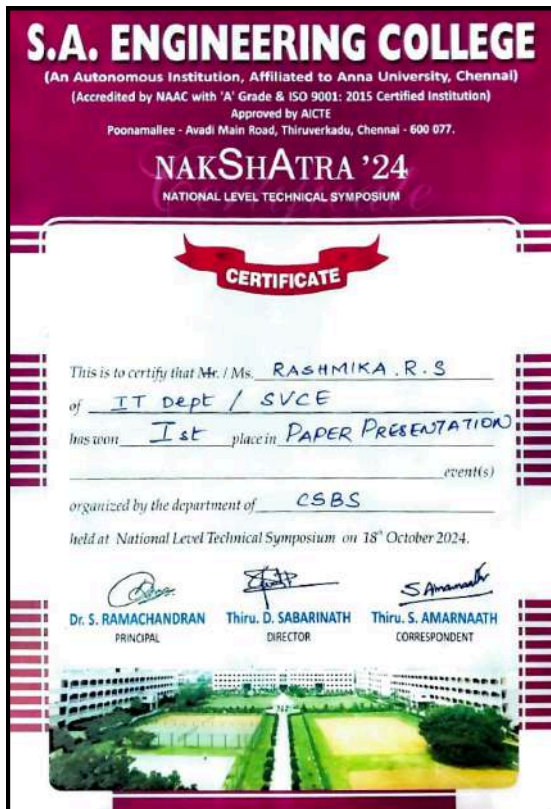
Keerthana S from III year IT – A, **Raja Vishalini G** and **Rashmika R S** from III year IT – B secured **I prize** with cash prize of Rs. 4000 in the **Adzap** event, a project pitching competition conducted by the Bureau of Indian Standards Club on 9th October 2024, on the occasion of “World Standards day”.



STUDENT ACHIEVEMENTS

Congratulations!

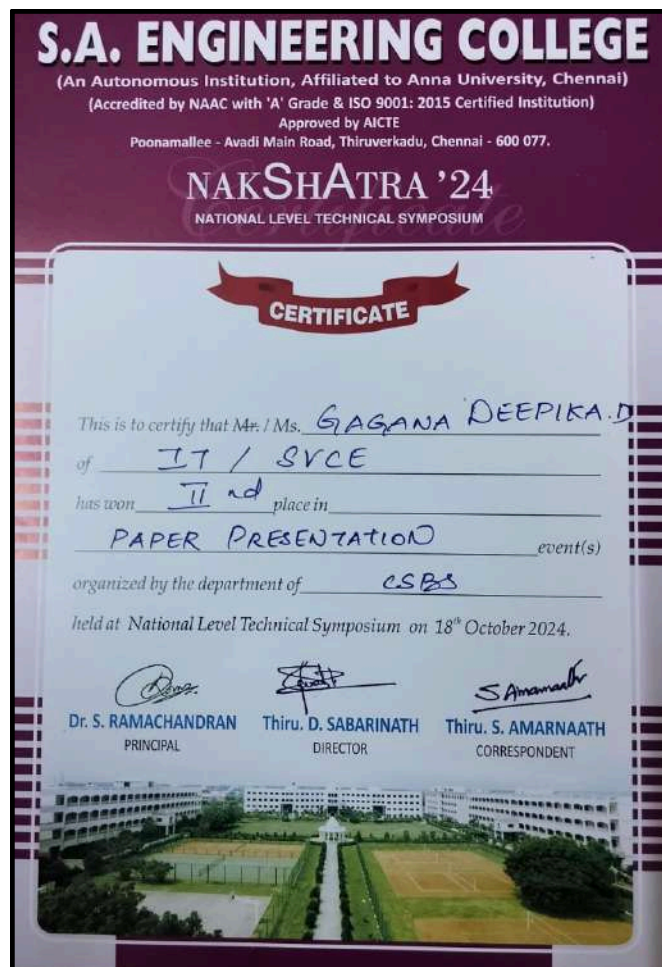
Rashmika R S, Raja Vishalini G R of III year INT B secured **I place** with a cash prize of Rs.1300 in the **Paper Presentation** event organized by CSBS dept. of SA Engineering College on 18th October 2024 under the mentorship of **Dr.K.Kiruthika Devi, ASP/INT**.



STUDENT ACHIEVEMENTS

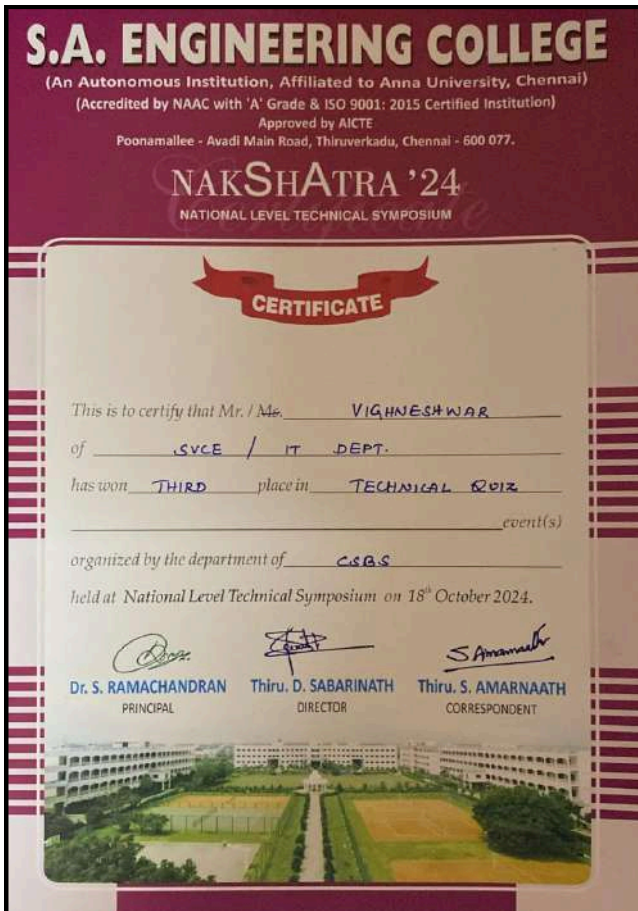
Congratulations

Gagana Deepika D of III year **INT A** secured **II place** with a cash prize of Rs.800 in the **Paper Presentation** event organized by CSBS dept. of SA Engineering College on 18th October 2024 under the mentorship of **Mr.N.Selvaganesh, AP/INT**.



STUDENT ACHIEVEMENTS

Sanjai Solairaja and Vigneshwar R of III year INT B secured **III place** with a cash prize of Rs.500 in the **Technical Quiz** event organized by CSBS dept. of SA Engineering College on 18th October 2024 under the mentorship of **Dr.P.Sharon Femi, ASP/INT**.



STUDENT ACHIEVEMENTS

Congratulations

Pradeep S and Vigneshwar R of III year INT B secured **II place** with a cash prize of Rs.1000 in **Paper Presentation** event in each of the Symposiums organized by CS and EE dept of GRT Institute of Engineering and Technology, Tiruttani on 19th October 2024 under the mentorship of **Dr.P.Sharon Femi, ASP/INT.**



STUDENT ACHIEVEMENTS

Sidesh T of III year INT B secured **II place** with a cash prize of Rs.1000 in the **Paper Presentation** event organized by EEE dept. of SA Engineering College on 18th October 2024 under the mentorship of **Dr.K.Kiruthika Devi, ASP/INT.**



Nithila M, Swathi A, Shajini A, and Shamitha K of II year INT B received a **Special Mention** for Best Presentation in **GDSC DevCon 2024** organized by Google Developer Student Club(GDSC) of SVCE on 19th October 2024 under the mentorship of **Dr.N. Devi, ASP/INT.**



STUDENT ACHIEVEMENTS

Congratulations!

Vijay M , Sathyam Kumar R of III year INT B secured **II place** with a cash prize of Rs.500 in **Technical Quiz** event organized by DMI College of Engineering on 25th October 2024 under the mentorship of **Dr.P.Sharon Femi, ASP/INT**.



Sathyam Kumar R of III year INT B secured **I place** with a cash prize of Rs.1000 in **Coding and Debugging** event organized by DMI College of Engineering on 25th October 2024 under the mentorship of **Dr.P.Sharon Femi, ASP/INT**.



STUDENT ACHIEVEMENTS

Congrats!

Vijay M , Sathyam Kumar R , Thiawahar B of III year INT B secured **I place** with a cash prize of Rs.1000 in **Paper presentation** event organized by DMI College of Engineering on 25th October 2024 under the mentorship of **Dr.P.Sharon Femi, ASP/INT.**



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STUDENT ACHIEVEMENTS

Praneesh VK and Sanjeev Kumar J III year INT B won **Runners** with a cash prize of Rs.400 in **Logic Break** event organized by Easwari Engineering College on 26th October 2024 under the mentorship of **Dr.A.Kala, ASP/INT**.



#ASHTAG

STUDENT ACHIEVEMENTS

Pradeep S and Tharun S from III year INT B won I place with a cash prize of Rs.1500 in **Insight Scribe (Paper presentation)** event at the National Level Technical Symposium organized by Kongu Engineering College, Erode on 25 th October 2024 under the mentorship of **Dr.P.Sharon Femi, ASP/INT.**



Congrats!



#HASHTAG

STUDENT ACHIEVEMENTS

Sathyajithanand V and Sri Hari Soundar J S from III year INT B won I place with a cash prize of Rs.1500 in **Insight Scribe (Paper presentation)** event at the National Level Technical Symposium organized by Kongu Engineering College, Erode on 25th October 2024 under the mentorship of **Dr.K.Kiruthika Devi, ASP/INT.**



Great Job



#ASHTAG

STUDENT ACHIEVEMENTS

Sanjai Solairaja from **III year INT B** won **I place** with a cash prize of Rs.1000 in **Code wars** event at the National Level Technical Symposium organized by Kongu Engineering College, Erode on 25th October 2024 under the mentorship of **Dr.P.Sharon Femi, ASP/INT.**



STUDENT ACHIEVEMENTS

PALS ACTIVITIES

Vishal Athreya E from III year INT B is nominated as one of the **PALS Student Leader** for Sri Venkateswara College Of Engineering for the academic year 2024-25.



Congrats!

Divya G, Akshaya from III year INT A and Vishal Athreya from III year INT B represented SVCE as a team member in the PALS Tinkathon an event with activity and hands-on project-based workshop, a precursor and a qualifier to the Residential Student Workshop conducted at the Indian Institute of Technology, Madras on 1st October 24.



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STUDENT ACHIEVEMENTS

EXTRACURRICULAR ACTIVITIES

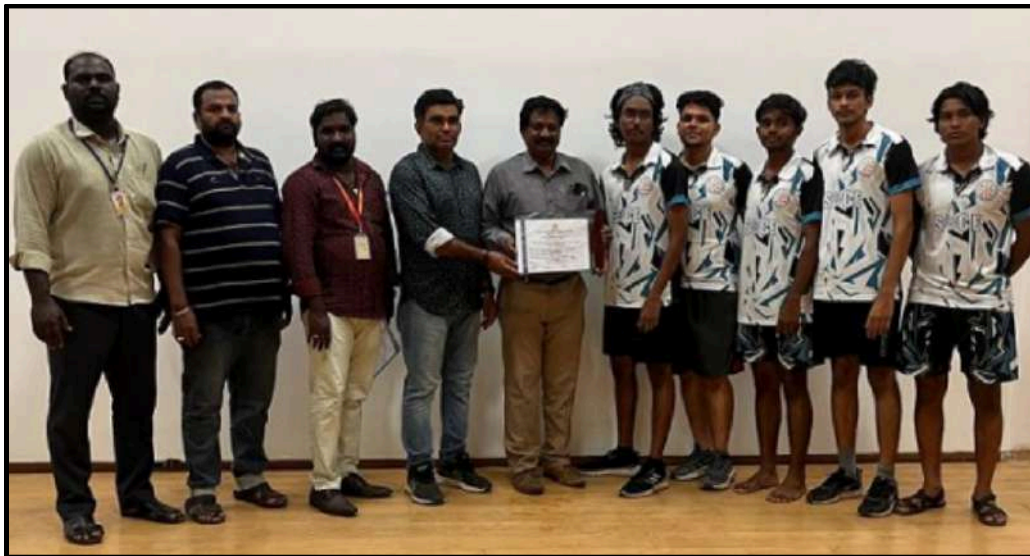
Buvarna Rithika M and Lingeswaran R, from III year INT A, were felicitated as **NSS Lead Volunteers** at the NSS Orientation program on October 22, 2024. Dr. Sharmistha Bhattacharjee, Associate Professor and Head of the Department of Sociology at Rajiv Gandhi National Institute of Youth Development, presented them with mementos in appreciation of their commitment and valuable contributions to NSS service.



STUDENT ACHIEVEMENTS

SPORTS

DHANUSH B K from **III year INT A** secured **Runners up** position in the Anna University **zonal tournament** organized by Apollo Engineering College on 19/10/2024.



P.Padmajaa of **II year IT B** won the **zonal match** and secured the **Runners cup in the TABLE TENNIS** match at Anna University Zonal match. venue : SMI on 26/10/24.



Congrats!

PLACEMENT CORNER



Jaswant R of final year IT got an offer from **McKinsey** with a salary package of **12 LPA**.

Students of Third year IT attended the session “Navigating US Higher Education” by Rana Alsaedi, Admissions Director, Clarkson University on 23.10.2024 in Placement cell.



PLACEMENT CORNER



27 students of final year IT got offers from **Accenture** with a salary package of **4.5 LPA**.



ABINESH V



AISHWARYA S



CHARISHMA REDDY A



DARRSINI M



DHARSHAN D



DILEEP KUMAR J



accenture



HARSHITH MANOHARAN



HEMANTH M



KATHIRAVAN M



KEERTHANA P



LAKSHMI K



LOHITH G T



accenture



MIRUTHULA J



PADMADHRSHINI S



PRAGATHEESHWAR S



PRIYANGA L



RAGHUL A



RAJA RAJESVARI S



accenture



RAKSHITHA R



SANIYA D



SOWNDARIYA K



SWATI MEENA G



SWETHA B



VARSHA J



**accenture**



VARUN KRISHNAKUMAR



VIVEKANAND PANDIAN M M



YOGITHA S

Congratulations!

GRADUATION DAY

The Graduation Day for the 2019–23 batch was held on 26th October 2024, celebrating the hard work and achievements of the graduates. It was an inspiring event, encouraging students to embrace the future with confidence and determination as they step into new chapters of their lives.

NUMBER OF IT STUDENTS GRADUATED = 101

FIRST RANK HOLDER - BARANIYA S



FIRST RANK HOLDER - SNEHA M



GRADUATION DAY

SECOND RANK HOLDER - DEEPA H



PG FIRST RANK HOLDER - P. DIVYA BHARATHI



GRADUATION DAY

DR. A. INDUMATHI ASP/IT RECEIVING THE DEGREE



DR. A. KALA ASP/IT RECEIVING THE DEGREE



GRADUATION DAY

DR. K. KIRUTHIKA DEVI, ASP/IT RECEIVING THE DEGREE



DR. P. LEELA RANI ASP/IT RECEIVING THE DEGREE



EVENTS ATTENDED



19 students from IT attended the guest lecture on 18/10/2024 conducted by department of ECE titled "Computer Vision and Face recognition" by **Mr.Elango Meenakshi Sundaram (SVCE ECE alumnus 1993-1997 batch) ,Co-Founder and CTO at FaceTagr** in the function Hall.



FACULTY CORNER

RESEARCH GRANT



DR. D. JAYANTHI, ASP/INT



DR. K. KIRUTHIKA DEVI, ASP/INT

Dr. D. Jayanthi, ASP/INT (Principal Investigator) and Dr. K. Kiruthika Devi, ASP/INT (Co-PI) received SVCE Intramural Research grant, a seed money of Rs. 1,00,000/- for the project titled "Brain Tumor Detection and Classification using Hybrid Deep Learning Models and IoT" for the AY 2024-25.

IEEE Conference presentation



DR. A. KALA

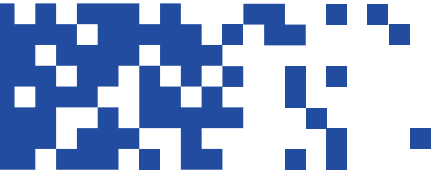


DR. P. SHARON FEMI

presented a paper titled "**A Comparative Analysis of Deep Learning Based Techniques for Cyber Security**" in IEEE International Conference on Software, Systems and Information Technology (SSITCON-2024) on October 18 -19, 2024 organized by Sri Siddhartha Institute of Technology.

FACULTY CORNER

International Conference presentation



Ms. R. Saktheeswari along with **Dr.C.Yaashuwanth** presented a paper titled "**Real time violence alert system**" at 2024 International Conference on Power, Energy, Control and Transmission Systems ,conducted by Sri Sairam Engineering college on Oct 8th,2024.



FACULTY CORNER

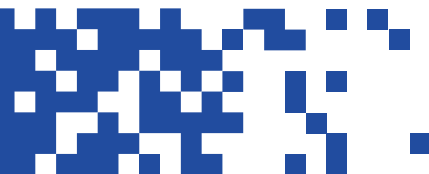
International Conference presentation

Mr. V. Ranjith along with Dr.C.Yaashuwanth presented a paper titled "**Emotion Detection System for Children with Autism Spectrum Disorder based on IoT and Deep learning**" at 2024 International Conference on Power, Energy, Control and Transmission Systems ,conducted by Sri Sairam Engineering college on Oct 8th,2024.



FACULTY CORNER

Resource Persons

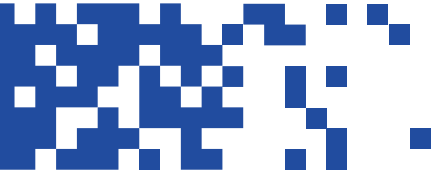


Dr. D. Jayanthi, ASP/INT acted as a resource person for two days hands on training on cybersecurity tools and insights on deep learning for cybersecurity at St. Peter's college of Engineering and Technology (Affiliated to Anna University) on 04.10.2024 and 05.10.2024.



FACULTY CORNER

Resource Persons

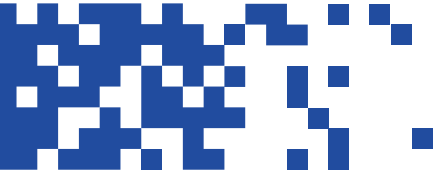


Dr. P. Leela Rani, ASP/INT chaired sessions in ChemInnoThon'24", a national-level 24 hours hackathon on October 18th and 19th, 2024, at SVCE.



FACULTY CORNER

Resource Persons



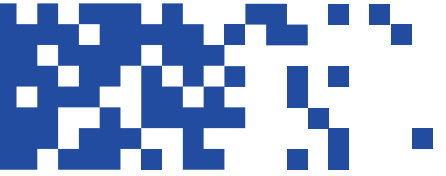
Dr.A.Kala, ASP/INT delivered a session on **“Introduction to Neural Networks”** in the Ten day Workshop series on **“From Scratch to Deployment: Hands-On Model Building with Keras and TensorFlow”** on October 14, 2024 organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering.

Biological Neuron	Artificial Neuron
Dendrites	Input
Synapses	Weight or Interconnections
Soma	Neuron
Axon	Output

The diagram illustrates the structural and functional differences between biological and artificial neurons. A biological neuron is shown with its dendrites receiving input signals, a central body (soma) containing the nucleus, and an axon that carries the output signal. An artificial neuron is represented as a 'Node' that receives multiple 'Input signals' through 'Weights' and produces an 'Output signal'.

FACULTY CORNER

Resource Persons



Dr.P.Sharon Femi, ASP/INT delivered a session on “**Activation Functions and Network Architectures**” in the Ten day Workshop series on “From Scratch to Deployment: Hands-On Model Building with Keras and TensorFlow” on October 15, 2024 organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering.

The screenshot shows a Google Meet window with a presentation slide. The slide title is "Why Activation Function". A bullet point states: "To understand complex patterns".

The slide contains two main diagrams:

- Left Diagram:** Shows a neural network with input nodes (yellow), hidden nodes (blue), and an output node (red). An input of "1 bathroom, 1 bathroom, 2000 sqft" leads to an output of "\$960,000".
- Right Diagram:** Shows three images of dogs with arrows labeled "complex relationship" pointing to the output "dog".

Below the diagrams, there is a caption: "feet and the neural network is basically used here for predicting the price. So even this is a simple example".

The Google Meet interface shows the name "SHARON FEMI P IT" and a profile picture with the letter "S".

FACULTY CORNER

Events Participated

Dr.P.Sharon Femi, ASP/INT attended One day IQAC Sponsored workshop on “Fintech and Blockchain” on 9-10-2024.

Dr. A. Kala & Dr. P.Sharon Femi, ASP/INT attended Five day National Online FDP on "Current Trends in IT Industry" from October 21 – 25, 2024 organized by the Department of Information Technology, Sri Venkateswara College of Engineering

Ms.DHEEPA B, AP/IT, has attended the FACULTY DEVELOPMENT PROGRAM on VIRTUAL LABS, held virtually between 22nd – 24th October 2024 as part of the PALS VLAB 2024 – 25 Initiative with NITK Surathkal.



FACULTY CORNER

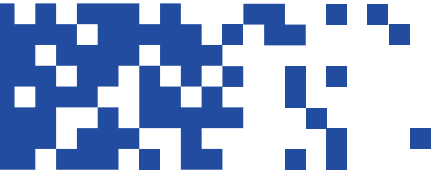
Events Organized

On 26th September, 2024 **CSI svce student chapter** organized a guest lecture titled **campus to corporate**. The Speaker was **Balaji Varadharajan**, director and HR @ **bigtapp technologies**.



FACULTY CORNER

Events Organized



Department of Information Technology organized **One day IQAC Sponsored workshop on "Fintech and Blockchain"** on 9-10-2024. Coordinators- **Dr.V.M.Sivagami, Dr.A.Kala & Ms.R.Saktheeswari**



FACULTY CORNER

Events Organized

Dr. V. M. Sivagami, Prof/INT, Dr. D. Jayanthi, ASP/INT and Dr. K. Kiruthika Devi, ASP/INT organized five Days **Online FDP on "Current Trends in IT Industry"**, in Association with Alumni Association of Information Technology and AIT from 21st October 2024- 25th October 2024.

DEPARTMENT OF INFORMATION TECHNOLOGY ORGANIZES
FIVE DAYS ONLINE FDP
On
"Current Trends in IT Industry"
 October 21-October 25, 2024

Mr. Kerthik Pattabiraman Professor, University of British Columbia, Canada IT ALUMNUS [1997-2001]	Mr. N. Harikumar Data Use-case Lead, Data Strategy, Ericsson, Chennai IT ALUMNUS [2004-2008]	Mr. S. Aravind Guruswamy Senior Software Engineer, Nielson IQ IT ALUMNUS [2004-2008]	Mr. Jayaraja Kumaran Engagement Partner, India Surge Technology Solutions IT ALUMNUS [2005-2008]	Mr. Alagu Alogappan Software Engineer at Amazon Web Services, Washington DC IT ALUMNUS [2013-2017]

CHIEF PATRON Prof.M.Sivanandham Secretary, SVCE	PATRON Prof.S.Ganesh Vaidyanathan Principal, SVCE	CONVENER Prof. V.Vidhya HOD-IT	ALUMNI COORDINATOR Dr.K.Kiruthika Devi ASP -IT	EVENT COORDINATORS Dr.V.M.Sivagami PROF-IT Dr.D.Jsyanthi ASP-IT
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7:00 to 8:00 pm

SCAN HERE FOR THE REGISTRATION FORM:

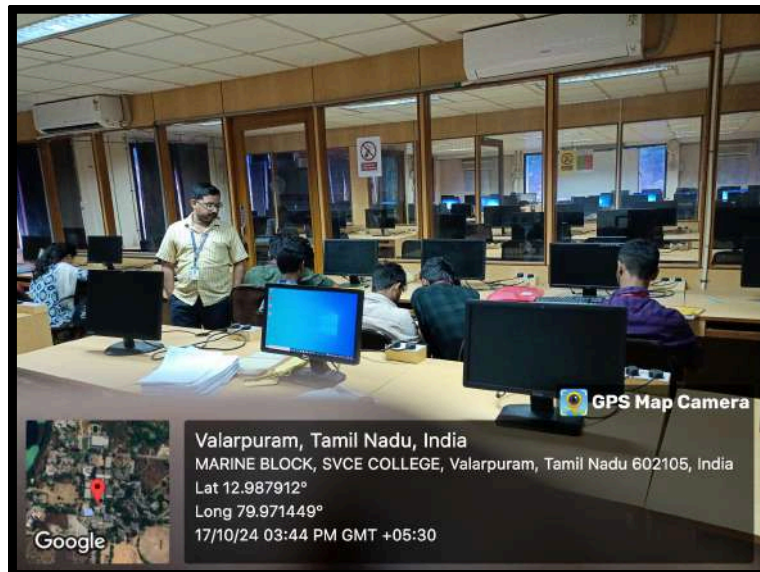
<http://meet.google.com/ymj-scfk-nmp>

REGISTRATION FORM LINK:
<https://forms.gle/fstWnrwTWEBLpmNZ9>

FACULTY CORNER

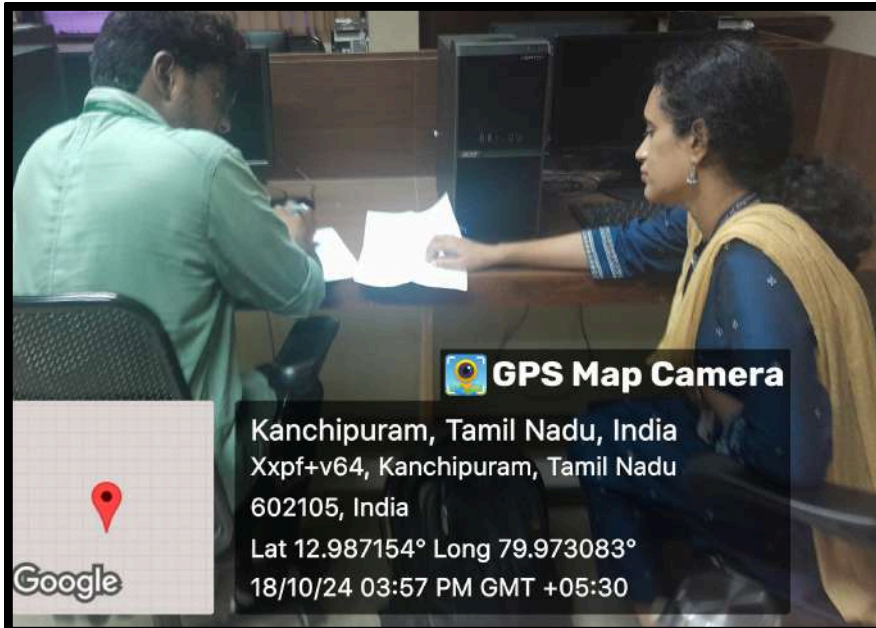
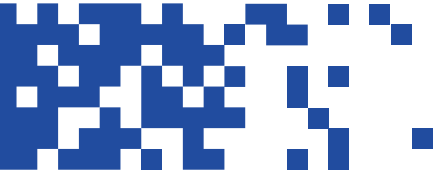
REMEDIAL CLASSES

Remedial classes were conducted to provide students with extra support, helping them strengthen their understanding of key concepts. This initiative aimed to ensure that every student has the opportunity to succeed and reach their full potential.



FACULTY CORNER

REMEDIAL CLASSES



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



M. Buvarna Rithika
III Year IT-A



Sanjana Madankumar
II Year IT-B



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.



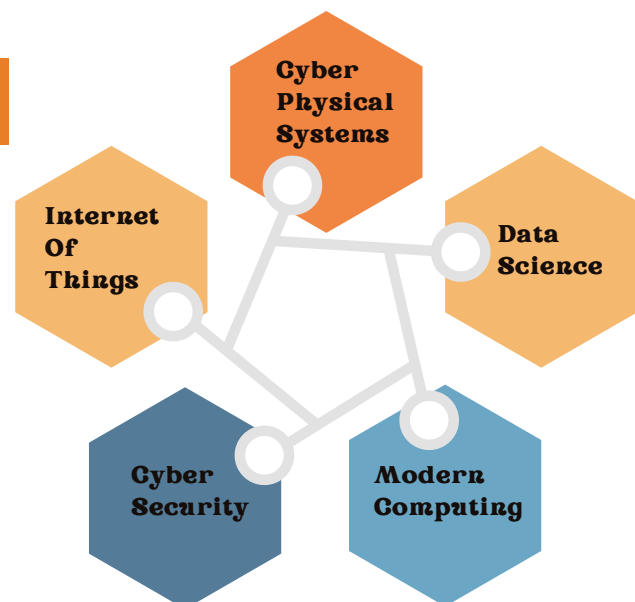
PROGRAMMES OFFERED

- 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



DEPARTMENT OF INFORMATION TECHNOLOGY



M.Tech CYBER FORENSICS & INFORMATION SECURITY



About

M.Tech Cyber Forensics and Information Security is a comprehensive 2 years PG program designed to equip students with the knowledge and practical skills necessary to excel in the field of cybersecurity.

■ CHIEF INFORMATION SECURITY OFFICER

■ FORENSIC COMPUTER ANALYST

■ INFORMATION SECURITY ANALYST

■ PENETRATION TESTER

■ SECURITY ARCHITECT

■ IT SECURITY ENGINEERS

■ SECURITY SYSTEM ADMINISTRATOR

■ IT SECURITY CONSULTANT

ELIGIBILITY



BE or B.Tech in

- Information Technology
- Computer Science and Engineering
- Electronics Engineering
- Electronics and Communication Engineering
- Information Security and Digital Forensics
- Other relevant branches from recognized institutions



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 student 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.

Check out the website for more information or contact us

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
- 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 the research work in reputed national and international journals
- Career guidance and Counselling support provided. The Department has six functional MoU's with industries like Gemini communications, WriteIT and Infoziant (P) Ltd.. which in turn helps the student for internship, training and placement
- Industrial visits and guest lectures by Subject Matter Experts from 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 organising National level technical symposium
- Horizon - A technical research magazine of IT department gives the opportunity to students to showcase their innovative research ideas

