



*We Make You Shine*  
**St. JOSEPH'S INSTITUTE OF TECHNOLOGY**  
(An Autonomous Institution)  
**St. JOSEPH'S GROUP OF INSTITUTIONS**  
OMR, CHENNAI - 119



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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



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## NEXTGEN NEWS MARCH 2025



**St. JOSEPH'S**  
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OMR, CHENNAI - 119



*The Choice of*  
**Disciplined Toppers**



# CLUB ACTIVITY - ENTREPRENEURSHIP DEVELOPMENT CLUB

As part of its initiative to promote innovation and entrepreneurship among students, the Department of Computer Science and Engineering at St. Joseph's Institute of Technology, in collaboration with the Entrepreneurship Development Club (EDC), organized an industrial exposure visit to Vel Tech Technology Incubator (Vel Tech TBI) on 5<sup>th</sup> March, 2025. This visit aimed to provide students with firsthand experience of incubation centers, startup ecosystems, and innovation-driven initiatives.

## KEY OUTCOMES:

- ✓ Understanding of startup incubation processes and facilities.
- ✓ Awareness of funding opportunities and mentorship programs available for startups.
- ✓ Exposure to real-world startup challenges and innovative solutions.
- ✓ Inspiration to explore entrepreneurship as a career path.



Department of Computer Science and Engineering  
in association with  
Entrepreneurship Development club (EDC)

*Organizes*  
Visit to

Vel Tech Technology Incubator  
(Vel Tech TBI)

For II and III year EDC Students (25 Students)  
Date : 05-03-2025 | Timing : 8:30 am Onwards



## CLUB ACTIVITY - TECHNO HUB CLUB

A seminar titled **Autonomous Robot Development for Rescue Assistance** was conducted on 10<sup>th</sup> March, 2025. Mr. Faraz Ahmed A.S, Research Associate, VIT, Chennai, addressed the students. Autonomous robots are increasingly being developed and deployed for rescue assistance, offering the ability to navigate hazardous environments, gather critical data, and perform tasks with minimal human intervention, ultimately enhancing disaster response efforts and minimizing risks to human lives.

### KEY OUTCOMES:

- ☑ Understanding of Autonomous Robot Development for Rescue Assistance.
- ☑ Hands-on experience with mapping unsafe areas using real-time data.
- ☑ Awareness of how Autonomous Robot Development used in Rescue Assistance.





# CLUB ACTIVITY - MACHINE LEARNING CLUB

On 27<sup>th</sup> March, 2025, the Machine Learning Club organized a dynamic and engaging activity titled "From Data to Insights: The Power of Machine Learning". The primary objective of the event was to provide club members with a hands-on experience in harnessing the power of machine learning to extract meaningful insights from data. The "Code to Insight: Data Science Competition" was a grand success, offering participants an excellent platform to apply their data science knowledge in a competitive and collaborative environment. The event not only enhanced their technical expertise but also fostered teamwork and critical thinking.

## KEY OUTCOMES:

- ✓ Practical experience in data preprocessing and feature engineering.
- ✓ Application of machine learning algorithms to real-world datasets.
- ✓ Hands-on exposure to model evaluation metrics and optimization techniques.
- ✓ Effective communication of analytical findings and insights.





## CLUB ACTIVITY – WOMEN CODING CLUB

On 11<sup>th</sup> March, 2025, the Women coding Club organized a workshop "GENAI & CHATGPT" at 1.00 Pm to 3.00 Pm in CSE lab 1. The workshop aimed to introduce participants to Generative AI (GenAI) and ChatGPT, covering their capabilities, applications, and best practices for effective usage in various domains such as content creation, business automation, and coding. The workshop provided participants with valuable knowledge and hands-on experience to leverage Generative AI & ChatGPT effectively. It sparked discussions on AI's future, challenges, and opportunities in different industries.

### KEY OUTCOMES:

- ✓ Participants gained insights into how AI models like ChatGPT function, their capabilities, and their limitations.
- ✓ Attendees learned how to apply ChatGPT in content generation, customer support, automation, and programming.



# GUEST LECTURE - EMERGING TECHNOLOGY IN IT

The Department of Computer Science and Engineering successfully conducted a Guest Lecture on "Emerging Technology in IT" for III-year students. The session took place on 21<sup>th</sup> March 2025 in AV Hall 2 and was delivered by Mr Ramakrishnan, Senior Consultant, Thryve Digital Health, Chennai. The session provided an in-depth exploration of emerging technologies shaping the future of IT. The resource person engaged students with real-world case studies, industry applications, and interactive discussions on cutting-edge advancements. Students actively participated, sharing insights and asking questions on topics like AI ethics, cybersecurity challenges, and cloud-based innovations. The session concluded with a Q&A discussion, helping students gain a broader perspective on technology trends and career opportunities in the evolving IT landscape.

## KEY OUTCOMES:

- ☑ Participants gained a deeper understanding of the latest IT advancements.
- ☑ Students received guidance on necessary skills and certifications to stay competitive.
- ☑ The event facilitated interaction with an industry expert, opening doors for mentorship and internships.





# GUEST LECTURE - BUILDING SCALABLE APPLICATION

The Department of Computer Science and Engineering successfully conducted a **Guest Lecture on "Building Scalable Application using Java Spring Boot"** for III-year students. The session took place on **22<sup>th</sup> March 2025** in **AV Hall 2** and was delivered by **Ms Varsha Dhanasekar** Software Engineer, Virtusa, Chennai. The session provided an in-depth exploration of Java Spring Boot for scalable application development. The resource person engaged students with hands-on coding, demonstrating key concepts like microservices, database integration, and security. Real-world case studies and best practices were discussed to enhance understanding.

## KEY OUTCOMES:

- ✓ Attendees gained insights into developing scalable applications efficiently.
- ✓ Exposure to best practices and tools used in enterprise-level Java development.
- ✓ Participants received guidance on Spring Boot certifications and job opportunities.



# STUDENT WORKSHOP – II YEAR

The Department of Computer Science and Engineering successfully conducted a workshop for 2<sup>nd</sup> year student from 03<sup>rd</sup> March 2025 to 5<sup>th</sup> March 2025. The Workshop commenced promptly at 8:00 am in the LAB1, LAB2 and LAB3 and LAB4. The presenters, introduced the topic of Robotics and Automation in IoT, Networks (CCNA), UI/UX, Cyber Security. Four resource persons involved in the workshop named Mr. Madhan R, Mr. Nixon, Mr. Parthiban M, Mr. Krishna and Mr. Kumar. This Workshop helps students to develop a new skill set for their better future & Acquirement of Knowledge in the specific field also provide a chance to interact with experts from the specialized area.

## KEY TAKEAWAYS:

- ✓ Understanding of the UI/UX design process, from research to prototyping.
- ✓ Hands-on experience using Figma to design wireframes, prototypes, and design systems.
- ✓ Ability to conduct usability testing and iterate on designs based on feedback.
- ✓ Completion of a final project demonstrating the application of UI/UX design skills using Figma.





# ALUMNI ACTIVITY – ALUMNI TALK

Department of Computer Science Engineering of St. Joseph's Institute of technology had Organized an Alumni Talk " Cybersecurity Trends and Roadmap" for III Year students on 14<sup>th</sup> of March 2025 in AV Hall 2. This session provided valuable insights into the evolving landscape of cybersecurity. The session aimed to educate students on emerging threats, industry best practices, and career opportunities in the cybersecurity domain. The Alumni Talk was insightful and highly engaging, providing attendees with a strong foundation in cybersecurity trends and career planning. The positive response from students highlighted the need for more sessions on ethical hacking, security analysis, and hands-on workshops in the future.

## KEY TAKEAWAYS:

- ☑ Gain a thorough knowledge of WAFs and their importance in web security and API protection.
- ☑ Learn practical steps to implement and optimize WAFs for your specific needs.
- ☑ Understand the importance of securing APIs and how WAFs can help mitigate API-related risks.



DEPARTMENT OF **COMPUTER SCIENCE AND ENGINEERING**

**ALUMNI TALK**

FOR III YEARS

On Topic  
**Cybersecurity Trends and Roadmap**

Speaker: Balaji N  
Neysa Networks  
Batch: 2017 - 2021



**MAR 14, 2025**  
11:00 AM - 12:30 PM  
AV HALL - II

# ALUMNI ACTIVITY – ALUMNI TALK

Department of Computer Science Engineering of St. Joseph's Institute of technology had Organized an Alumni Talk "Beyond LinkedIn: Authentic Networking in the Digital Age" for III Year students on 22<sup>nd</sup> of March 2025 in AV Hall 2. This session focused on rethinking how we build professional relationships in a world dominated by digital platforms. While LinkedIn is a powerful tool, the speakers emphasized that genuine, meaningful networking goes far beyond connection requests, profile updates and designed to challenge the conventional approach to online networking, the talk highlighted the importance of authenticity, human connection, and long-term relationship-building in career development.

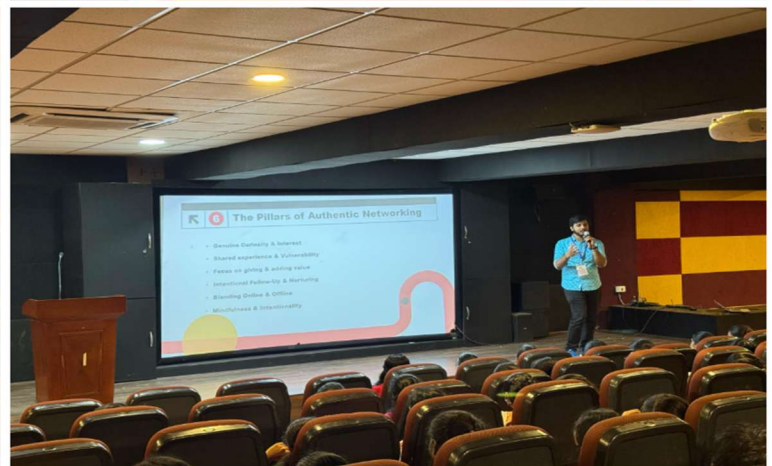
## KEY OUTCOMES:

- ☒ Authentic networking in today's digital landscape beyond simply expanding your LinkedIn connections
- ☒ Students gained a new perspective on networking as a long-term, relationship-driven effort.

On Topic  
**Beyond LinkedIn:  
Authentic Networking in  
the Digital Age**

  
**March 22, 2025  
10:00 AM – 11:00 AM  
AV HALL – II**

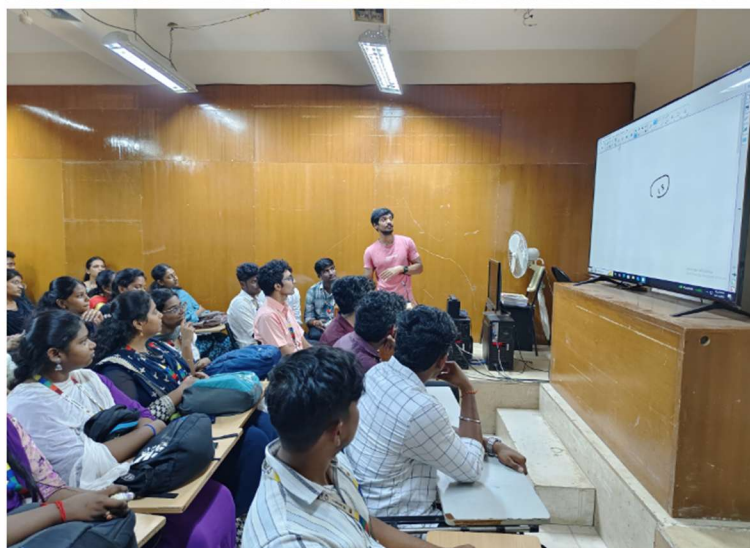
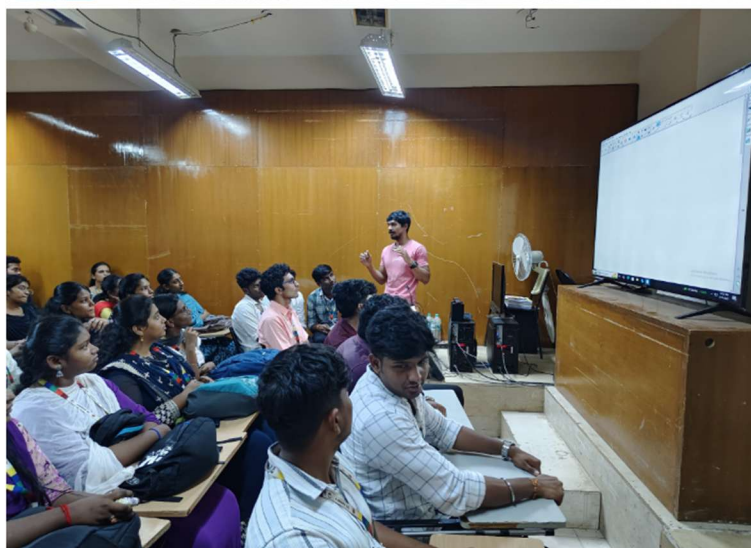
 **Speaker :**  
**Rajin Gangadharan**  
**iOS App Developer @Remitbee**  
**Batch: 2020–2024**





# INDUSTRIAL VISIT

The industrial visit to Sansbound solutions private ltd was organized on March 10<sup>th</sup> and 11<sup>th</sup> 2025, by the Department of computer science and Engineering provide an opportunity for learning, exploration, or interaction, whether for educational, professional, or personal reasons. Objectives of the Visit to provide students with practical, real-world exposure to industry operations, bridging the gap between theoretical learning and practical application, and fostering a deeper understanding of various industrial processes and challenges. Overview of the Industry Sansbound Solutions Pvt Ltd in West Mambalam, Chennai, is a computer training institute specializing in skill development programs, particularly in areas like Amazon Web Services, Azure Databricks, and CCNA, with a focus on corporate training as well.





# EMPLOYABILITY ENHANCEMENT SKILL BASED COURSES

The Employment Enhancement Course (SD0103) – Advanced Infosec Immersion was successfully conducted for third-year CSE, ADS, and IT students, with a total of 98 participants. The training took place from 24<sup>th</sup> March to 28<sup>th</sup> March 2025, at CSE Lab 3. The sessions were delivered by industry experts from Supraja Technologies, Vijayawada, Mr. Krishna, Security Analyst, and Mr. Kumar, Security Analyst—who provided in-depth insights and hands-on experience in advanced cybersecurity and penetration testing techniques.

## KEY OUTCOMES:

- ☑ Develop both technical and soft skills, including communication and problem-solving abilities, to improve job prospects in the competitive cybersecurity industry.
- ☑ Gain a thorough comprehension of advanced security topics, including reverse engineering malware, ethical hacking, and web application penetration testing.





# PROFESSIONAL CHAPTER ACTIVITY - IEEE COMPUTER SOCIETY

IEEE CS Madras organized the Mega ICT Quiz as a lead-up event to the 80th anniversary of the IEEE Computer Society on 26<sup>th</sup> March 2025 in AV Hall 3. Our institution was the academic sponsor for the event, which was the first to be conducted as part of the anniversary celebrations. Mr. H.R. Mohan, Chair, Events, and Past Chair, IEEE CS Madras, successfully organized the event. Six industry experts (Novartis, TCS, Cognizant, BHEL, Ericsson, and also from SIMATS) participated in the quiz, which saw our students actively involved as volunteers and guest quiz participants. Our students won prizes, making the event a proud moment for our institution. Dr. Dafni Rose, Professor and Head of the Department, and Mr. Mithun, Assistant Professor and IEEE Coordinator, were honored by Mr. H.R. Mohan. The event was a huge success, with our students showcasing their technical expertise. The quiz was an exciting and engaging experience for all participants. Our institution is proud to have been a part of this milestone event.





# PROFESSIONAL CHAPTER ACTIVITY - IEEE COMPUTER SOCIETY

St. Joseph's Institute of Technology celebrated International Women's Day 2025 with a guest talk by Ms. Praveeshika Kumar, Senior Analyst, Business Development, Cognizant. The event was organized by the Department of Computer Science and Engineering in association with IEEE Computer Society. Held on 17<sup>th</sup> March 2025, at AV Hall 2, the talk inspired students to empower themselves. Ms. Kumar shared her experiences and insights on women's leadership and entrepreneurship. The event aimed to promote gender equality and celebrate women's achievements. It was an enlightening and motivating experience for all attendees. The event also featured panel discussions, personal stories, and interactive sessions that encouraged dialogue around leadership, workplace equity, and breaking stereotypes. It served as a reminder that when women are empowered to make the right choices, they become agents of change and influential leaders in all spheres of life.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Organizes

Institution's Innovation Council  
(University of HRD Initiatives)

NBA  
NATIONAL BOARD  
of ACCREDITATION

In Celebration of International Women's Day 2025

Guest Talk

Women make the right choices to become the leader!

11 & 111 Year  
CSE Girl  
Students  
are Invited

Technology AV Hall 2  
9.00 am to 11.00 am  
17.03.2025

Ms. Praveeshika Kumar  
Senior Analyst- Business Development  
Cognizant

IEEE



# PROFESSIONAL CHAPTER ACTIVITY - IEEE COMPUTER SOCIETY

St. Joseph's Institute of Technology celebrated National Science Day 2025 with "Science Spectra'25", a project expo for school students on 22<sup>nd</sup> March 2025 from 9.00 AM to 3.00 Pm in AV Hall 3. The event was organized by the Department of Computer Science and Engineering in association with IEEE Computer Science Society and IIC. Students showcased innovative projects, following strict display and safety guidelines. The expo aimed to foster curiosity, creativity, and critical thinking among young minds. The event was a huge success, with enthusiastic participation from schools across the region. It was an inspiring display of scientific talent and ingenuity. The students are awarded with cash prizes.



# FACULTY ACHIEVEMENTS – SCOPUS JOURNAL PUBLICATION

- ☑ Mrs S M Keerthana published a paper titled "Bridging the Gap Between Question and Answer: A Comprehensive Analysis on Medical Question Answering Systems", in the Journal of Information Systems Engineering and Management, March 2025.
- ☑ Dr. D. Menaga published a paper titled "Early brain tumor identification and segmentation using artificial intelligence", in the Multidisciplinary Science Journal, March 2025.
- ☑ Dr. N. Mythili published a paper titled "Multistage Intrusion Detection Framework Using a Robust Nonlinear Machine Learning Approach for Enhancing Cloud Security in Electric Vehicles in Smart Grid", in the SSRG International Journal of Electronics and Communication Engineering (SSRG - IJECE Journal), March 2025.
- ☑ Dr. Adlin Sheeba published a paper titled "AI-Powered Real-Time Runway Safety: UAV-Based Video Analysis with ICSO-Enhanced Deep Learning", in the International Journal of Computational and Experimental Science and Engineering, March 2025.
- ☑ Mr. A. BALAMURALI published a paper titled "Multistage Intrusion Detection Framework Using a Robust Nonlinear Machine Learning Approach for Enhancing Cloud Security in Electric Vehicles in Smart Grid", International Journal of Electronics and Communication Engineering, March 2025.

Journal of Information Systems Engineering and Management

[Home](#) / [Archives](#) / [Vol. 10 No. 13s \(2025\)](#) / [Articles](#)

## Bridging the Gap Between Question and Answer: A Comprehensive Analysis on Medical Question Answering Systems

PDF

DOI:  
<https://doi.org/10.52783/jisem.v10i13s.2023>

Keywords:  
NLP, Question Answering System, Medical, Deep Learning

Keerthana SM, K.Vijaya Kumar, Mohammad Nazmul Hasan Maziz

### Abstract

Data is the universal language of information in real world. But according to a statistic only 20% of the data in real world are structured where remaining 80% of data are unstructured. The machine provides in accurate result in retrieving the information from these unstructured data. With help of Natural Language Processing (NLP), the machines are able to process the dark data and accomplish the task given by user. Among many tasks of NLP, Question Answering System (QAS) plays a vital role for the real-world development. QAS is the task of giving accurate answer for the question posted by user in natural language about the document (Textual Question Answering) or query about the image (Visual Question Answering) or question related to medical field (Medical Question Answering). This paper provides an overview of Medical QAS Datasets, Methodology implemented and the Metrics to evaluate the model. At the end of the survey, this paper provides a finalized overview of what methodology/approach can be used for the QAS.

Announcements

#### Call for Papers

Call for Papers for the New Issue.  
Last Date of Submission: April 15<sup>th</sup>, 2025

Make a Submission

JOURNAL ARCHIVE

[Volume 10 \(2025\)](#)  
[Volume 9 \(2024\)](#)  
[Volume 8 \(2023\)](#)  
[Volume 7 \(2022\)](#)

MULTIDISCIPLINARY  
SCIENCE JOURNAL

TECHNICAL NOTE  
Published Online: December 23, 2024  
<https://doi.org/10.31893/multiscience.2025304>

## Early brain tumor identification and segmentation using artificial intelligence

R. Rajasekar<sup>a</sup> | D. Menaga<sup>b</sup> | A. Joshi<sup>c</sup> | T. N. Sudhahar<sup>d</sup> | S. Muthukumar<sup>e</sup> | T. Sakthi Sree<sup>f</sup>

<sup>a</sup>Sri Venkateswara College of Engineering & Technology, Department of Computer Science and Engineering (Data Science), India.  
<sup>b</sup>St. Joseph's Institute of Technology, Department of Computer Science and Engineering, India.  
<sup>c</sup>Parimalar Engineering College, Department of Artificial Intelligence and Data Science, India.  
<sup>d</sup>Rajalakshmi Institute of Technology, Department of Artificial Intelligence and Data Science, India.  
<sup>e</sup>Hindusthan College of Engineering and Technology, Department of Information Technology, India.

### Abstract

In order to improve diagnostic precision and treatment planning, the present research outlines the use of state-of-the-art artificial intelligence (AI) techniques for brain tumor segmentation and early detection. Utilizing convolutional neural networks (CNNs) and U-Net topologies, two popular deep learning algorithms, we develop a system capable of automatically identifying and segmenting tumor regions from medical imaging data. Our implementation involves preprocessing steps to normalize and augment the dataset, followed by training the model on publicly available brain tumor datasets. The performance of our AI system is assessed using metrics. The outcomes show that our strategy performs noticeably better than conventional techniques, with excellent recall and precision rates in both detection and segmentation tests. This research highlights the potential of AI to transform medical imaging by providing reliable and efficient tools for early tumor detection, ultimately contributing to improved patient outcomes in neuro-oncology. Additionally, the work incorporate an attention mechanism for early brain tumor identification and segmentation, to enhance the model's ability to concentrate on regions that are more likely to contain a tumor.

Keywords: brain tumor, convolutional neural networks, U-Net topology

NEXTGEN NEWS - MARCH 2025

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- ✓ Mrs S M Keerthana Present a titled "Optimizing Fish Classification with a Hybrid SAE-SVM Model: Performance and Evaluation on Fish-gres and Fish4-Knowledge Datasets", in the IEEE International Conference on Recent Advances in Science and Engineering Technology, ICRASET 2024 and indexed in IEEE on March 2025.
- ✓ Mrs S M Keerthana Present a titled "Machine Learning in Healthcare: Unlocking Precision Diagnosis and Continuous Monitoring Through Voice Analysis", in the Smart Factories for Industry 5.0 Transformation and indexed in IEEE on March 2025.
- ✓ Dr. V. Sabaresan Present a titled "Improved Energy Efficient Divergent Path Routing for Energy-Harvesting Wireless Sensor Networks", in the IEEE 9th International Conference on Communication and Electronics Systems, ICCES 2024 and indexed in IEEE on March 2025.
- ✓ Dr. V. Sabaresan Present a titled "Energy-Efficient Clustering in Wireless Sensor Networks: A Multi-Objective Approach Using PSO and Fuzzy Logic", in the IEEE 4th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS) 2024 and indexed in IEEE on March 2025.

Conferences > 2024 International Conference...

Optimizing Fish Classification with a Hybrid SAE-SVM Model:  
Performance and Evaluation on Fish-gres and Fish4-Knowledge Datasets

Publisher: IEEE Cite This PDF

S Senthil Pandi ; R Suguna Devi ; A Thanam ; S M Keerthana All Authors

11 Full Text Views

Abstract

Document Sections

I. Introduction

II. Literature Survey

III. Methodology

IV. Results and Discussions

Abstract:

Accurate classification of fishes is thus very important in marine biology for species identification, biodiversity monitoring, and ecological studies. Most typical methods used are manual feature extraction techniques and expert analyses, which generally are time-consuming and unreliable. These are, however, surmounted in effectiveness and scalability by automated classification systems, especially those based on picture data. In the context of the present research, we focus our attention on the development of an image-based fish classification system supported by deep learning technologies. It could potentially enhance both the accuracy and speed of species identification much further. We propose one of its kind classification systems that employs a Convolutional Neural Network (CNN). The feature extraction and analysis process are done automatically through cascadable convolutional layers from the first stage to the last. Convolution neural networks, owing to their multilayer composition, manage to extract high-level features, but this extraction

Conferences > 2024 4th International Confer...

Energy-Efficient Clustering in Wireless Sensor Networks: A Multi-Objective Approach Using PSO and Fuzzy Logic

Publisher: IEEE Cite This PDF

V. Sabaresan ; Thanigai Selvan M ; Rajkumar S All Authors

11 Full Text Views

Abstract

Document Sections

I. Introduction

II. Literature Survey

IV. Methodology

V. Result and Analysis

Abstract:

Energy efficiency is one of the biggest challenges in WSNs; typically, these networks are plagued with several problems such as uneven distribution of energy amongst nodes, hotspots, and clustering with big disparities. This work tries to some extent solve some of these problems through a prototype: Efficient Wireless Sensor Network with Multi-Objective Clustering, or EEMOC, which is a new framework that exploits the power of Particle Swarm Optimization to realize optimal cluster head selection. In addition, it uses the FIS in the dynamic selection of a cluster radius to maximize its effectiveness in networking. EEMOC exploits the fuzzy logic benefits in governing uncertainty in data and optimizes the sizing of clusters, thereby controlling hotspots and optimizing the energy distribution scheme. Simulation results show EEMOC to be far superior to traditional clustering algorithms and may significantly extend the network lifetime with the utmost saving in energy under

# FACULTY ACHIEVEMENTS – PATENT PUBLICATION

- ☑ Mrs. Karthiga. R has published a patent titled “SMART ANTENNA SYSTEM FOR ENHANCED WIRELESS COMMUNICATION” with application number 202541014248 on March 2025.
- ☑ Mrs. Shanker Shalini has published a patent titled “COMPACT WIRELESS COMMUNICATION DEVICE FOR SMART CITY INFRASTRUCTURE MANAGEMENT” with application number 202541016784 on March 2025.
- ☑ Mrs. Surya U has published a patent titled “AI-DRIVEN PREDICTIVE ANALYTICS FOR SMART GRID OPTIMIZATION AND LOAD BALANCING” with application number 202541018635 on March 2025.
- ☑ Dr. A. Deepak Kumar has published a patent titled “PREDICTING HEART ATTACK RISK THROUGH RETINAL IMAGES USING SWIN TRANSFORMER TECHNOLOGY” with application number 202541020156 on March 2025.
- ☑ Dr. V. Sabaresan has published a patent titled “AI-POWERED INTRUSION DETECTION SYSTEM FOR CLOUD AND IOT SECURITY” with application number 202541025293 on March 2025.



Office of the Controller General of Patents, Designs & Trade Marks  
Department for Promotion of Industry and Internal Trade  
Ministry of Commerce & Industry,  
Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

## Application Details

|                                  |   |
|----------------------------------|---|
| APPLICATION NUMBER               | 202541016784  |
| APPLICATION TYPE                 | ORDINARY APPLICATION  |
| DATE OF FILING                   | 26/02/2025  |
| APPLICANT NAME                   | 1. Dr. D Venkata Srihari Babu<br>2. Venkata Ramanalah Chintha<br>3. Silva Sankar Namani<br>4. Shanker Shalini<br>5. N Viswanadha Reddy<br>6. Dr. R. Senthamil Selvan Indian |
| TITLE OF INVENTION               | Compact Wireless Communication Device for Smart City Infrastructure Management  |
| FIELD OF INVENTION               | COMMUNICATION   |
| E-MAIL (As Per Record)           | mail2patentipr@gmail.com  |
| ADDITIONAL-EMAIL (As Per Record) |   |
| E-MAIL (UPDATED Online)          |   |
| PRIORITY DATE                    |   |
| REQUEST FOR EXAMINATION DATE     | --  |
| PUBLICATION DATE (U/S 11A)       | 07/03/2025  |



Office of the Controller General of Patents, Designs & Trade Marks  
Department for Promotion of Industry and Internal Trade  
Ministry of Commerce & Industry,  
Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

## Application Details

|                                  |  |
|----------------------------------|--|
| APPLICATION NUMBER               | 202541025293   |
| APPLICATION TYPE                 | ORDINARY APPLICATION   |
| DATE OF FILING                   | 20/03/2025   |
| APPLICANT NAME                   | 1. Dr. Udaya Kumar NL<br>2. Dr. Bommaraju Srinivasa Rao<br>3. Dr. G.Arthy<br>4. Dr. V. Sabaresan<br>5. Varsha Rahul Dange<br>6. Dr. P.Sachidhanandam<br>7. Lokesh H R<br>8. Sheeja Raghavan<br>9. K.T. Shivaram<br>10. Kokila S. |
| TITLE OF INVENTION               | AI-Powered Intrusion Detection System for Cloud and IoT Security   |
| FIELD OF INVENTION               | COMMUNICATION  |
| E-MAIL (As Per Record)           | mail2patentipr@gmail.com   |
| ADDITIONAL-EMAIL (As Per Record) |  |
| E-MAIL (UPDATED Online)          |  |
| PRIORITY DATE                    |  |
| REQUEST FOR EXAMINATION DATE     | --   |
| PUBLICATION DATE (U/S 11A)       | 28/03/2025   |



# STUDENT ACHIEVEMENTS

The Management, Principal, and Staff members congratulate the following students who have won prize at the Technical Symposium **TECH ARENA 2K25** conducted by **Vels Institute of Science, Technology & Advanced Studies, Chennai** on **12<sup>th</sup> March 2025**.

| S.No | Student Name | Year | Event Name       | Position | Prize |
|------|--------------|------|------------------|----------|-------|
| 1    | Abish DM     | II   | Capture the Flag | II       | Medal |
| 2    | Anshuman PS  |      |                  |          |       |



The Management, Principal, and Staff members congratulate the following students who have won prize at the National Level Intercollegiate Fest **JUNO 2K25** conducted by **Guru Nanak College, Chennai** on **6<sup>th</sup> and 7<sup>th</sup> March 2025**.

| S.No | Student Name                                     | Year | Event Name              | Position | Prize      |
|------|--|------|-------------------------|----------|------------|
| 1    | <u>Mahanandh Thilakar</u> V S<br>Aneesa Zainab F | II   | Technical Treasure Hunt | II       | Rs.1,500/- |
| 2    | Aswin S I  | II   | Clash of Code           | II       | Rs.1,250/- |



**Technical Treasure Hunt – 2<sup>nd</sup> Prize**



**Clash of Code – 2<sup>nd</sup> Prize**

# STUDENT ACHIEVEMENTS



Mr. Aswin S I, Mr. Mahanandh Thilakar V S, Ms. Aneesa Zainab F from 2nd year CSE and Mr.Keshav S, Mr. Jerophin D R, Mr. Monish Kumar V, Mr. Navajit S A from 3rd year CSE have won in a greater number of events in the Technical Symposium (JUNO 2K25) conducted by Gurunanak College, Chennai and secured Overall Runners Award.



III-year CSE Students Mr. Adithya M, Mr. Abi Rahul B, Mr. Vignesh T, Mr. Suganraj S and Mr. Sivasabari P have won 1<sup>st</sup> place (Software) in BLAZE A TRIAL 1.0, an Industry Collaborated Hardware and Software Hackathon conducted by St. Joseph's Institute of Technology on 19<sup>th</sup> March 2025 and 20<sup>th</sup> March 2025 with a prize amount of Rs.10,000 & Internship with stipend at ZUNTRA technologies.



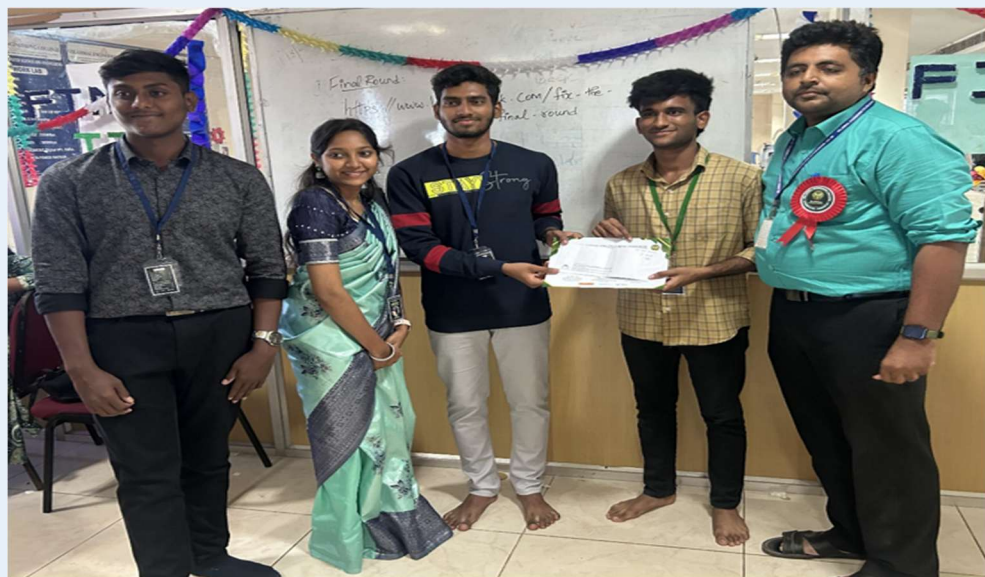
# STUDENT ACHIEVEMENTS

III-year CSE Student Mr. Mukhil R have won 1<sup>st</sup> place in the event Fix the Glitch at the National Level Technical Symposium OZMENTA conducted by Velammal Engineering College on 15<sup>th</sup> March 2025 with a prize amount of Rs.1,000.

III-year CSE Students Mr. Mukhil R and Navajit S A have won 1<sup>st</sup> place in the event Code Relay at the National Level Technical Symposium OZMENTA conducted by Velammal Engineering College on 15<sup>th</sup> March 2025 with a prize amount of Rs.2,000.



# STUDENT ACHIEVEMENTS



III-year CSE Student Mr. Navajit S A have won 2<sup>nd</sup> place in the event Fix the Glitch at the National Level Technical Symposium **OZMENTA** conducted by Velammal Engineering College on 15<sup>th</sup> March 2025 with a prize amount of Rs.750.

The Management, Principal, and Staff members congratulate the following students who have won prize in One Day Technical Paper Presentation on **EdgExplore'25** conducted by **SIMATS Engineering, Chennai** on **8<sup>th</sup> March 2025**.

| S.No | Student Name                                      | Year | Event Name                   | Position | Prize  |
|------|---|------|------------------------------|----------|--------|
| 1    | Aadhijah M<br>Abishek RS<br>Avinash S             | II   | Technical Paper Presentation | I        | Trophy |
| 2    | Beryl Zionah R<br>Cheril Gracenciya A<br>Harini S | II   | Technical Paper Presentation | II       | Trophy |



Technical Paper Presentation – 1<sup>st</sup> Prize



Technical Paper Presentation – 2<sup>nd</sup> Prize