# VOICE
## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

## INSTITUTE VISION

"Moulding Professionals par Excellence with Integrity, Fairness and Human Values".

## INSTITUTE MISSION

1. We commit to develop the institution as a Center of Excellence of International Standards

2. We guide our students in the attainment of intellectual and professional competence for successfully coping with the rapid advancements in technologies and the ever changing world of business, industry and services

3. We help each and every student in their personal growth into mature and responsible individuals

4. We strive to cultivate a sense of social and civic responsibility in our students, thus empowering them to serve humanity.

5. We promise to ensure a free environment where quest for the truth is encouraged

## DEPARTMENT VISION

"Moulding socially responsible and professionally competent Computer Engineers to adapt to the dynamic technological landscape."

## DEPARTMENT MISSION

⊃ Foster the principles and practices of computer science to empower life-long learning and build careers in software and hardware development.

⊃ Impart value education to elevate students to be successful, ethical and effective problem-solvers to serve the needs of the industry, government, society and the scientific community.

⊃ Promote industry interaction to pursue new technologies in Computer Science and provide excellent infrastructure to engage faculty and students in scholarly research activities.

## PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

The program educational objectives (PEO) of the Department of Computer Science and Engineering are to develop graduates who possess:

☑ The creative and critical reasoning skills to solve technical problems ethically and responsibly to serve the society.

☑ The competency to collaborate as a team member and team leader to address social, technical and engineering challenges.

☑ Ability to contribute to the development of the next generation of information technology either through innovative research or through practice in a corporate setting.

☑ Potential to build start-up companies with the foundations, knowledge and experience they acquired from undergraduate education.

## PROGRAM SPECIFIC OUTCOMES (PSO)

The Program Specific Outcomes of the Department of Computer Science and Engineering are :

⊃ Ability to integrate theory and practice to construct software systems of varying complexity.

⊃ Able to Apply Computer Science skills, tools and mathematical techniques to analyze, design and model complex systems.

⊃ Ability to design and manage small-scale projects to develop a career in a related industry

# NEWSLETTER

## PRINCIPAL'S MESSAGE:

It is with great pride that I extend my warm greetings to all of you through this edition of the Computer Science and Engineering Department Newsletter. As we continue our journey in the ever-evolving field of computer science, it is important to reflect on both the challenges and exciting opportunities that lie ahead. In this newsletter, you will find highlights of our department's achievements, student projects, faculty contributions, and upcoming events. These accomplishments represent the hard work, dedication, and collaboration of our entire community, and they are a testament to our collective commitment to excellence. Together, we will continue to push the boundaries of innovation and contribute to a brighter future. Thank you for your ongoing commitment for making our department a vibrant and forward-thinking hub of learning.

Best regards,

**Dr.K.K.Rajan**

## HOD'S MESSAGE

I am delighted to connect with all of you through this edition of the Computer Science and Engineering Department Newsletter. As we progress through this academic year, I am proud to witness the remarkable strides our department continues to make in shaping the future of technology and education. This newsletter showcases the outstanding achievements of our students, faculty, and staff. I am particularly proud of the passion and dedication our students bring to their studies and projects, and the relentless support of our faculty members in nurturing this talent. I encourage each of you to stay engaged, share your ideas, and take full advantage of the opportunities available to you. Together, we will continue to make the Computer Science and Engineering Department a hub of excellence, innovation, and collaboration. Thank you for your hard work, commitment, and passion.

Warm regards,

**Dr. Amel Austine**

## FACULTY PUBLICATIONS

- Dr. Amel Austine et al, "Enhancing EV Charging With Smart Prediction" SPIN 23-24.
- Mrs. Arsha J K et al, "Elevating Crisis Response: Machine Learning and Cutting-Edge Technologies for Disaster and Pandemic Management", SPIN 23-24.
- Mrs. Dona Jose et al, "SFLRS: Supervised Feature-Level Rating System", SPIN 23-24.
- Mrs. Bency Cleetus et al, "Intelligent Traffic Control in Multi-Junction Scenarios: A YOLOv8-based Approach" SPIN 23-24.
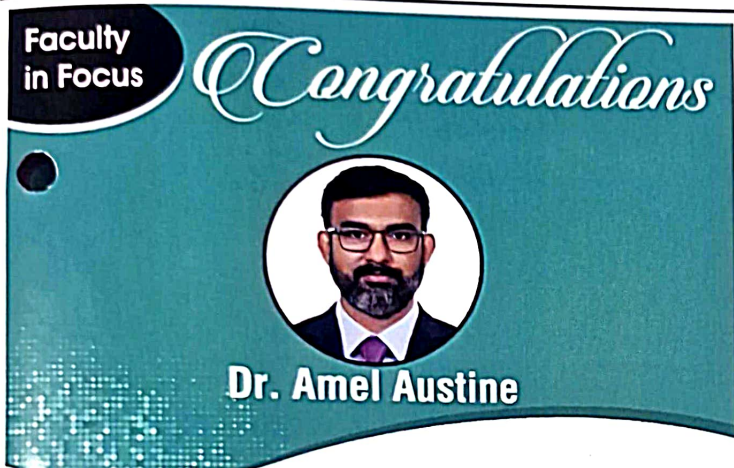- Mrs. Remya Paul et al," AI Enhanced Recruitment System" SPIN 23-24.

- Mrs. Anu Jose et al, "Scratch Detection On Vehicles" SPIN 23-24.
- Mrs. Lithiya Sara Babu et al, " Novel Approach on Mobile Food Recognition System for Dietary Assessment" SPIN 23-24.
- Mrs. Lakshmi Suresh et al, "Transformative Advances in Medical Coding: Introducing MEDCODE, a Neural Network Approach" SPIN 23-24.
- Mrs. Ierin Babu et al "Prediction of Health Using Wearable Devices With Machine Learning Techniques" SPIN 2k24.
- Mrs. Asha Joseph et al, "Shadow Removal From Document And Conversion To Digital Format" SPIN 2k24.
- Mrs. Ariya T K et al, "NFC AIRPORT APP" SPIN 23-24.
- Mrs. Anju T et al, "SIGNATURE VERIFICATION USING CNN AND LBP" SPIN 23-24.
- Mrs. Manjusha Mathew et al, "Beyond Words: Classifier-B's Journey to Deeper Understanding" SPIN 23-24.
- Mrs. Swathi Venugopal et al, "An Examination on Credit Card Fraud Detection using Machine Learning" SPIN 23-24.
- Mrs. Elizabeth Anns et al, "A Survey On Visually Impaired Te er Support System" SPIN 23-24.
- Mrs. Anila Paul et al, "Easy-G: A Complete Heart Diagnostic System" SPIN 23-24.
- Mrs. Asha Joseph et al, "Approach on Real-time Audio to Sign Language Translator" SPIN 23-24.
- Mrs. Lithiya Sara Babu et al, "Beyond Illusions: Enhancing Deepfake Detection with Fine-tuned Vision Transformers", SPIN 23-24.
- Mrs. Neenu Daniel et al, "A Novel Approach for Eye Disease Classification Using Transfer Learning", SPIN 23-24.
- Mrs. Elizabeth Anns et al," RenalVista: A Machine Learning approach based on SVM and CNN for Prediction and Detection of Kidney Diseases", SPIN 23-24.
- Mrs. Ierin Babu et al, "An Approach for Nutrient Deficiency Detection and Weather Forecasting", SPIN 23-24.
- Mr. Andrew Jose et al, "Personalized Culinary Adventures: Machine Learning and Tailored Recipes", SPIN 23-24.
- Mrs. Bency Cleetus et al," Bridging Languages: Unified Speech-to-Speech Translation", SPIN 23-24.
- Mrs. Manjusha Mathew et al, " Unveiling the Power of LLMs in Education", SPIN 23-24.
- Mrs. Swathi Venugopal et al, "Human Activity Recognition Model in Medical Sector", SPIN 23-24.
- Mrs. Anu Jose et al, "Novel Approach for Detection and Treatment of Anemia and Malaria", SPIN 23-24.
- Mrs. Anju T et al," An Integrated Approach for Currency and Medicine Recognition for Blind People", SPIN 23-24.
- Mrs. Anila Paul et al, "Multimodal Content Processing across Media Sources", SPIN 23-24.
- Dr. Sarika S et al, "LungCareAI: Pioneering Advancements in Respiratory Care using Deep Learning", SPIN 23-24.
- Mrs. Ariya T K et al," Bridging the Spectrum: AI and Virtual Assistants for

Early Autism Detection", SPIN 23-24.

- Mrs. Lakshmi Suresh et al," NeuraDerm :A Spectrum of Approaches for Skin Disease Detection and Classification", SPIN 23-24.
- Mrs. Remya Paul et al," SARS: Mental Health Chatbot using Natural Language Processing", SPIN 23-24.
- Dr. Sarika S et al, "Electronic Health Record Using Blockchain", SPIN 23-24.

## STAFF ACHIEVEMENTS

- Dr. Amel Austine, HoD of Department of Computer Science & Engineering successfully defended his Thesis and obtained his Doctoral degree from Noorul Islam Center for Higher Education,Nagercoil.
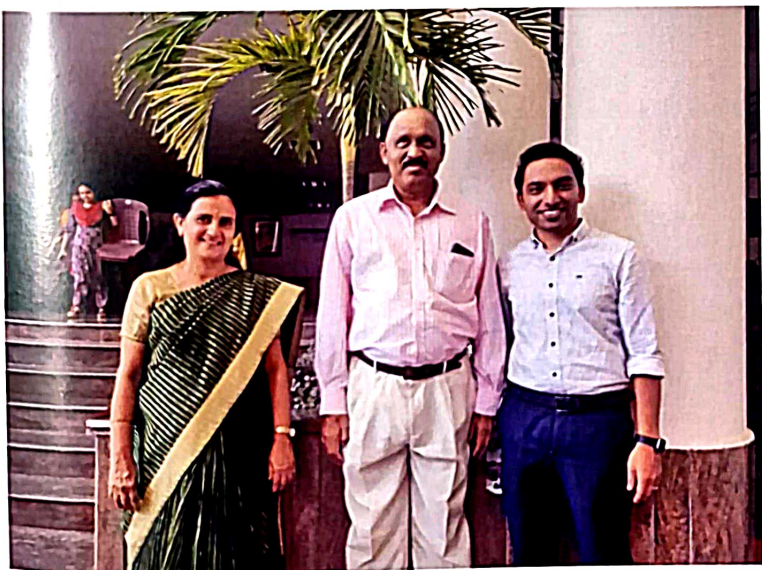


**Faculty in Focus**

**Congratulations**

**Dr. Amel Austine**

Mr. Amel Austine, HoD & Assistant Professor, Department of Computer Science & Engineering has successfully defended his Thesis and obtained his Doctoral degree from Noorul Islam Centre for Higher Education, Nagercoil
**Ph.D Topic :** Optimized Resource Allocation & Resource Exchange for D2D Communication in Cellular Networks

**VISWAJYOTHI** *COLLEGE OF ENGINEERING & TECHNOLOGY*

- Mr. Andrews Jose were a NAAC Mock peer team member at SNGCE, Kadayiruppu on 28th June 2024 and 29th June 2024
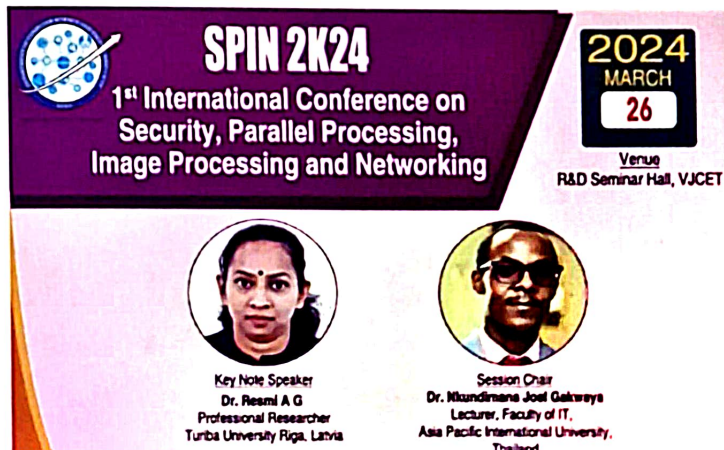


## FACULTY DEVELOPMENT PROGRAM/WORKSHOP

- Mrs. Neenu Daniel attended a 7-day International FDP on Latest Trends in Software Engineering organized by CHRIST (Deemed University),Bangalore from January 20th to 27th January 2024
- Dr. Amel Austine attended a 7 day International FDP on Latest Trends in Software Engineering organised by CHRIST ( Deemed University), Banglore from January 20th to 27th January 2024.
- Mrs. Ariya T K attended a 5-day FDP on 'Inculcating Universal Human values in Technical Education' organized by AICTE from June 17th to 21st June 2024.
- Mrs. Anju T attended a 7-day International FDP on Latest Trends in Software Engineering organized by CHRIST (Deemed University),Bangalore from January 20th to 27th January 2024.
- Mrs. Anila Paul attended a 5-day FDP on 'Inculcating Universal Human values in Technical Education' organized by AICTE from June 17th to 21st June 2024.
- Mrs. Elizabeth Anns attended a FDP on Faculty Enablement Program on Artificial Intelligence organized by Infosis from June 24th to June 28th 2024.
- Mrs. Elizabeth Anns attended a 2 weeks FDP on Generative AI novice to master organized by EduLake Solutions LLP from June 10th to June 21st 2024.
- Mrs. Swathi Venugopal attended a 2 weeks FDP on Generative AI novice to master organized by EduLake Solutions LLP from June 10th to June 21st 2024.
- Mrs. Swathi Venugopal attended a 5-day FDP on Innovative insights on Python, AI & ML organized by department of AI, ICET, Muvattupuzha from 22 July to 26 July 2024.
- Mrs. Manjusha Mathew attended a 6-day FDP on Introduction to Machine Learning and Python organized by Mar Baselious Christian College of Engineering and Technology, Peerumede from November 11th to November 16th 2023.
- Mrs. Manjusha Mathew attended a 7-day International FDP on Latest Trends in Software Engineering organized by CHRIST (Deemed University),Bangalore from January 20th to 27th January 2024.

## PROGRAMS ORGANIZED BY THE DEPARTMENT IN ASSOCIATION WITH CSI/ISTE/IIC /R&D

- Department of Computer Science and Engineering conducted First International Conference on Security, Parallel Processing, Image



**SPIN 2K24**
1st **International Conference on Security, Parallel Processing, Image Processing and Networking**

**2024 MARCH 26**
Venue
R&D Seminar Hall, VJCET

Key Note Speaker
Dr. Resmi A G
Professional Researcher
Turiba University Riga, Latvia

Session Chair
Dr. Nkundimana Joel Gakwaya
Lecturer, Faculty of IT,
Asia Pacific International University,
Thailand

Processing and Networking (SPIN 2K24) in association with CSI ,ISTE,R&D VJCET on 19th May 2023 . The session Chair was Prof. Dr. Nkundimana Joel Gakwaya, Faculty of IT Asia Pacific International University, Thailand.

➲ A workshop on Data Science using Numpy and Pandas was organised by Department of CSE in association with IIIC, IIC, ISTE & FOSS Cell on 13th February 2024 by Ms. Bini Benny, Facein Technologies Pvt.Ltd.



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**
One Day Workshop on
**DATA SCIENCE USING NUMPY AND PANDAS**
For S8 CSE A & B
**13th February 2024**
09.00 am - 04.15 pm
@ R&D Seminar Hall
Resource Person
Ms. Bini Benny
Facein Technologies Pvt Ltd

➲ A workshop on Python Django Framework was organised by Department of CSE in association with by IIIC,IIC,ISTE & FOSS Cell on 15th February 2024 by Mrs. Amith Jithin, Facein Technologies Pvt.Ltd.



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**
One Day Workshop on
**PYTHON DJANGO FRAMEWORK**
For S6 CSE A & B
**15th February 2024**
09.00 am - 04.15 pm
@ R&D Seminar Hall
Resource Person
Ms. Amith Jithin
Facein Technologies Pvt Ltd

## STUDENTS ACHIEVEMENTS

### GATE Qualified Students



**Mr. Alan D Andoor**
S8 CSE B
All India Rank 95



**Ms. Aparna Rajan**
S6 CSE B



**Ms. Elizabeth Lalson**
S6 CSE B



**Mr. Jebin Shaju,** S6 CSE B winner in Google Project Sadana Cycle 2 – AI Hackathon.
&
selected as Microsoft Learn Student Ambassadors, program hosted by Microsoft.

## UNIVERSITY RESULTS

| | |
|---|---|
| 2020-'24 batch S8 CSE | 95.86 % |
| 2021-'25 batch S6 CSE | 87.80 % |
| 2022-'26 batch S4 CSE | 73.98 % |
| 2023-'27 batch S2 CSE | 82.51 % |
| 2023-'27 batch S1 CSE | 86.17 % |

## PLACEMENT STATISTICS

| Sl. No | Name of Company | No of Students Placed |
|---|---|---|
| 1 | TCS | 26 |
| 2 | Accabes | 2 |
| 3 | ESAF | 4 |
| 4 | Turbolabs | 1 |
| 5 | Incture | 1 |
| 6 | Qspiders | 5 |
| 7 | Mitsogo | 1 |
| 8 | Litmus7 | 1 |
| 9 | Qvantel | 2 |
| 10 | Prudent Technologies | 3 |
| 11 | G10X | 1 |
| 12 | Sutherland | 40 |

## ACADEMIC EXCELLENCE



2020-2024 Batch Topper
Divya Xavier



2020-2024 Batch(S8 Topper)
Anooj Thomson



2021-2025 Batch(S6 Toppers)
Navya Saju



2022-2026 Batch(S4 Toppers)
Shinol Shinto



2023-2027 Batch(S2 Toppers)
Rehana Santhosh

## STAFF EDITORS

**Neethu S N**
AP, CSE

**Lakshmi Suresh**
AP, CSE