SMRITI

Department of Computer Science and Engineering

VOLUME : 13 ISSUE : 1

TABLE OF CONTENTS

EDITORIAL DESK

This quarter has been a period of significant growth and achievement for our department. Our dedicated faculty and students have distinguished themselves across multiple fields, demonstrating excellence through pioneering research and noteworthy achievements.

Congratulations to Dr. V. S. Felix Enigo on receiving the TANSEED 6.0 award of 15 lakhs from the Tamil Nadu Government! This recognition, presented at the "TN Startup Thiruvizha" event in Madurai, celebrates her outstanding contribution in the category of Women-Led Entrepreneurs. The department applauds Dr. B. Bharathi on the launch of her externally funded project, *"Real-time Multi-Dialect Automatic Speech Recognition for Tamil,"* by the Honorable Minister Dr. Palanivel Thiagarajan, Minister of Information Technology and Digital Services of Tamil Nadu, at the Tamil Virtual Academy. We extend our compliments to Dr. D. Thenmozhi and Dr. B. Bharathi for receiving the best teacher award.

During this period, the department hosted a diverse array of workshops, encompassing topics such as Stream Data Management, Computational Thinking, Circuit of Infinity, Web3 Technology for Blockchain Application Design, the Role of Design Thinking in the Education Sector, and Embedded Software Development, among others. We express our appreciation to the organizers for their dedication and hard work in making these events possible.

Our students consistently exhibit commendable accomplishments in various co-curricular and extra–curricular activities. The efforts taken by the students in organizing and participating in club activities are commendable. The placement season of the department also had a great start, with students bagging incredible packages from top companies. We extend our appreciation to all the students and faculty showcased their impressive projects and received well-deserved recognition for their innovative work on Innovation Day.

Congratulations to Pooja, final-year student, on the outstanding achievement of participating in the prestigious Mitacs Globalink Research Internship at the University of Alberta (UAlberta)! We are proud to announce that Pooja Dharunika Sasikumar, third-year, has earned the esteemed position of Campus Ambassador for Cisco. We extend our warmest congratulations to all the students who have received placement offers.

We are delighted to note that the department's accomplishments are not limited to a single scope by any means. This edition clearly shows that the students and teachers of the department excel in everything they do. We look forward to a very successful upcoming quarter for the department. Happy Reading!

SMRITI Editorial Team

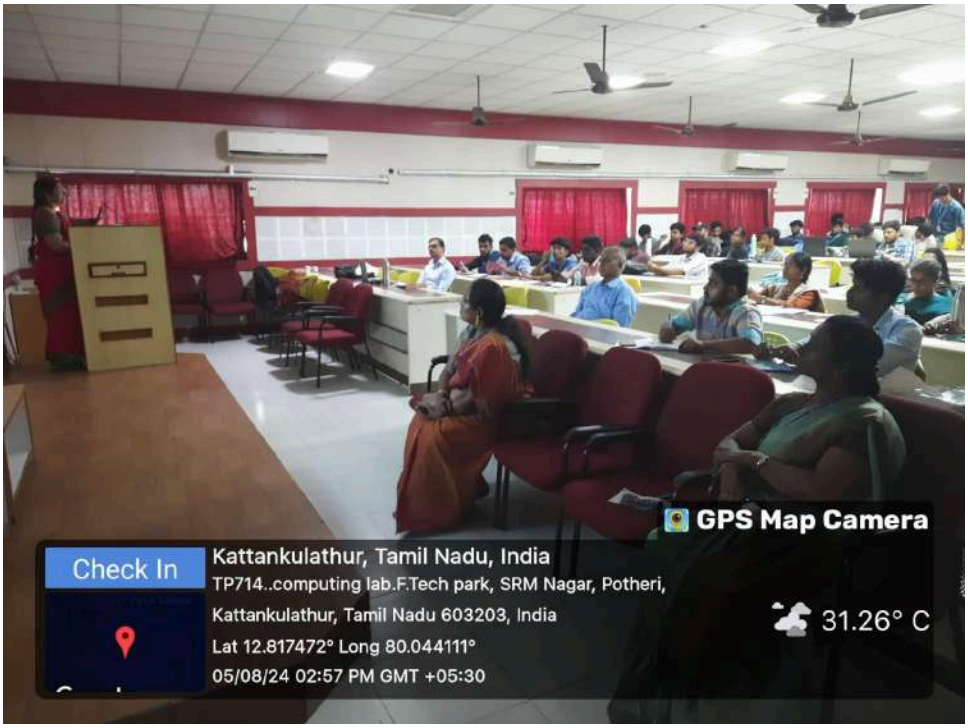
EXTERNAL INTERACTIONS AND RECOGNITIONS

DC Members

- **Dr. Mirunalini P**. served as DC member and attended the first DC meeting for a Anna university Scholar at SSN College of Engineering College 31/07/2024
- **Dr. Kavitha S**. attended a Synopsis Meeting of Ms. N. Mangayarkarasi at SSN College of Engineering on 14.08.2024.
- **Dr. Bharathi B**. attended the first DC meeting for a scholar at the Department of Information Technology, SSN College of Engineering on 12-08-2024.
- **D.Venkata Vara Prasad Prof**. attended a Virtual Synopsis DC Meeting of Ms. Anna Anbumozhi, SRM University on 14 th August 2024.
- **Dr. K. R. Sarath Chandran** attended the first DC meeting of Anna University Research Scholar Mr. R. Umesh on 03/08/24 11:00 am. (Supervisor: Dr. Anchitaalagammai, Professor/ CSE, Velammal College of Engineering and Technology, Madurai).
- **Dr. K. R. Sarath Chandran** attended the first DC meeting of Anna University Research Scholar Ms. T. Suba Nachiar on 03/08/24 12:00 pm. (Supervisor: Dr. Anchitaalagammai, Professor/ CSE, Velammal College of Engineering and Technology, Madurai)
- **Dr.Kavitha S.**, attended a Comprehensive Viva Meeting of Ms. Persiya. J VIT Chennai on 10.09.2024 in online mode.
- **Dr. J. Suresh**, attended the Synopsis meeting (DC Member) for Ms. Jinu Sophia, a scholar of Dr. Prem Jacob, Sathyabama Institute of Science and Technology on 11.09.2024.
- **Dr. Saraswathi S**, attended the first Doctoral Committee meeting in the Department of Information Technology, R.M.D. Engineering College, Chennai through online mode on 24-10-2024

Invited Talks

Dr. Bharathi B. delivered a talk on "Tamil Speech Recognition: Fundamentals, Challenges and Case Studies with demos" at the National Conclave on Tamil Computing (KaniTamil), Department of Computing Technologies School of Computing, SRM Institute of Science and Technology on 05-06-2024.



Dr. Bharathi B. delivered a talk on "Multimodal machine learning" at 5 days FDP - An industry perspective future scope on NLP and Computer Vision Date- 26-08-24 to 30-08-24 at VIT vellore on 28-08-2024

- **Dr.S.Rajalakshmi**, acted as the resource person and delivered the theory and hands-on sessions for a one-day workshop on "Social Media Analysis using Machine learning" during 28.08.2024 for II year MCA students conducted by PG and Research Department of Computer Science and Applications (MCA), Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

- **Dr. Bhuvana J** handled a session on ' Implement a simple GAN to generate images & Build an autoencoder for data compression' in Ten day Workshop series on "From Scratch to Deployment: Hands-On Model Building with Keras and TensorFlow" on 24-10-2024 organized by Department of Computer Science and Engineering, Sri Venkateswara College of Engineering

TN Startup Thiruvizha

Dr. V. S. Felix Enigo, received the TANSEED 6.0 award of 15 lakhs from the Tamil Nadu Government at the "TN Startup Thiruvizha" event held in Madurai during September 28-29, 2024, in the category of Women-Led Entrepreneurs.

Drexel University

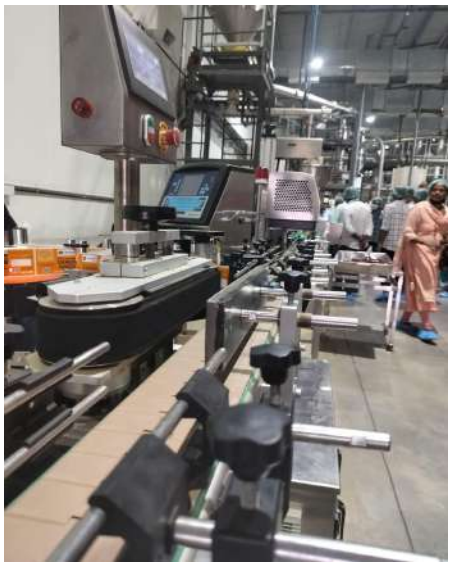
On 6th Sep, an awareness meeting was organized by Dr. Albal to introduce the MS(MLE) program offered by SSN SACE and Drexel University. Dr. R. Kanchana advertised and mobilized the students from CSE department

On 11th Oct, a talk by Drexel team was organized by Dr. Albal to introduce the MS(MLE) program offered by SSN SACE and Drexel University to the registered students. Dr. R. Kanchana advertised the program among the colleges in and around Chennai and attended the meeting.

INDUSTRY COLLABORATION

Lifespice limited

Dr. Swarnalakshmi R, and Dr. Rajeswari J, along with UG 7th semester students Govardhan and Karthick J, and M.Tech Integrated 3rd semester students Anusha, Ponsubash and Darshan, went for an industrial visit to Lifespice limited for understanding manufacturing processes and supply chain management, logistics for this domain on 19th August Monday.

Senquire

Dr. K. R. Sarath Chandran, Dr. Raghavendrakumar Sakali and Dr. R. Kanchana attended an online meeting with Mr. Sripad, Mr. Vinayak Prabhu, and Mr. Susruth of Senquire to discuss the possibilities of collaboration for projects related to AI in FPGA.

Soil of Life

Dr.R.Kanchana, Dr.S.Rajalakshmi and Dr.S.Angel Deborah attended the online project discussion meeting with Dr. Janki Rangatia/ Founder & Director, Soil of Life & Mr. Siva Shankar G/ Project Manager, Soil of Life, on August 16, 2024.

Tamil Virtual Academy

The external funded project titled "Real-time multi-dialect automatic speech recognition for Tamil" by **Dr. B. Bharathi** was launched by the Honorable Minister Dr. Palanivel Thiagarajan, Minister of Information Technology and Digital Services of Tamil Nadu on 27-08-2024 at Tamil Virtual Academy.

Valeo

On 8th Oct 2024, Dr. R. Kanchana demonstrated the MiKenko project of vitals measurement to Mr. Napolean and received suggestions. On 8th Oct 2024, Dr. R. Kanchana received the suggestions to improve the curriculum of UG R2021 from Mr. Dhanasekar and Mr. Vijaynath from Valeo. On 8th Oct 2024, Dr. R. Kanchana interacted with Mr. P. Kalaiselvan and demonstrated the ongoing project of gas cylinder counting.

Wells Fargo

Dr. Swarnalakshmi R,ASP/CSE arranged a Jury from Wells Fargo company for Oct 8 th Innovation Day celebrations. Mrs. Kirthiga Sivaraj-VP, **Wells Fargo** participated as jury member. Apart from this, other industry experts were also arranged by her from **LTI-Mindtree**, **A2zr4.0**, **Skill boost academy** who were part of the industry experts panel on the occasion.

MEMORANDUM OF UNDERSTANDING

- An MoU was signed between **Solaiera, Hyderabad** and **Sri Sivasubramaniya Nadar College of Engineering** on 09th Aug 2024. This MoU envisages joint research collaboration broadly in the areas of ML, AI, NLP, Gen AI, Responsible AI, Computer Vision with wider scope for guest lectures, seminars, workshops, internships, PoC development, etc of mutual value and PoCs are paid pilots. Dr.T.T Mirnalinee, Prof & Head/CSE and Dr.Swarnalakshmi Ravi coordinated this MoU process.

- The MoU was executed during the month of August 2024 between **Sri Sivasubramaniya Nadar College of Engineering** and **Cybernaut Edu-Tech LLP**, which is a leading product-based company specializing in AI SaaS and educational automation products. This is intended for taking up various student training programmes, internships, collaborative research, placement and other activities of mutual interest, between SSN and Cybernaut specifically in the areas of UI/UX Design, Web Application Development and Placement & Entrepreneurship Training. This was initiated by Dr. B. Prabavathy, ASP/CSE and Dr. T.T. Mirnalinee Prof & Head/CSE.

- An MoU was signed between **Kyureeus Edtech** and **Sri Sivasubramaniya Nadar College of Engineering** on 13.09.2024. This MoU envisages research collaboration for joint product development (software), internships, course delivery, and other corporations of mutual value. Dr T.T. Mirnalinee, and Dr J. Suresh, coordinated the MoU process.

- On 27th Sep, an MoU was signed between **Sri Sivasubramaniya Nadar College of Engineering and Regenboog India Foundation** in the presence of Dr. Kala Madam. Dr. R. Kanchana was instrumental in initiating and executing the MoU.

PUBLICATIONS

Book/Book Chapters

- **Dr. Vijayalakshmi** published a book/chapter titled "Ethical Dimensions of AI Development" in "IGI Global", Vol:1, Pages:175-195

Journal Publications

- **Dr. Thenmozhi D**, Kalaivani A, Research Scholar, Effective Offensive Language Deduction Using Deep Learning In Social Media, Revue Roumaine Des Sciences Techniques—SÉRIE ÉLECTROTECHNIQUE ET ÉNERGÉTIQUE, Vol:69, issue:2, Clarivate, IF:0.26, Quartile:Q3, DOI:https://doi.org/10.59277/RRST-EE.2024.2.14, ISSN:0035-4066

- **Dr. Priyadharsini R.**, Varsha Balaji , Shahul Hameed T, Deep Learning-Based Renal Stone Detection: A Comprehensive Study and Performance Analysis, Applied Computer Systems, Vol:vol. 29, issue:1, Clarivate, IF:-, Quartile:-, DOI:https://doi.org/10.2478/acss-2024-0014, ISSN:2255-8691

- Mangayarkarasi, N., **Raghuraman, G.**, **Kavitha S.** , Inline Pipe Defect Detection Using Cnn Through Cctv Images For Evading Environment Pollution, Journal of Environmental Protection and Ecology, Vol:25, issue:4, Scopus, IF:Cite Score: 1.3, Quartile:Q3, DOI:https://scibulcom.net/en/article/5xNE2Mx7nTCf1mbh8cEe, ISSN:ISSN 1311-5065

- **Dr. Saraswathi S**, **Dr. Suresh J**, Mehul Gandhi D, Combating Counterfeit Products with Blockchain Technology to Enhance Trust and Authenticity in Consumer Markets, Indian Journal of Science and Technology, Vol:17, issue:34, Clarivate, IF:-, Quartile:Not assigned, DOI:https://doi.org/10.17485/IJST/v17i34.1449, ISSN:0974-5645

- **Rajalakshmi S**, Sathvika V S, Swetha J, Vishvasri J S, “SignARcade - An Efficient Teaching - Learning Aid for Speech and Hearing Impaired using Augmented Reality and Machine Learning”, Indian Journal of Technical Education (IJTE), UGC-Care listed Journal Vol. 47 No.2 April - June, 2024

- **Dr.H.Shahul Hamead**, has published a research paper titled "A Consensus-based Traffic Prediction for Time Series Data in SDN" in the Indian Journal of Science and Technology which is indexed in SCI on August 26th 2024. Volume:17, Issue: 34.

- **Dr. Rajalakshmi S.**, Sathvika V S (Student) Swetha J (Student) Vishvasri J S (Student), SignARcade - An Efficient Teaching - Learning Aid for Speech and Hearing Impaired using Augmented Reality and Machine Learning, Indian Journal of Technical Education, Vol:47, issue:2.

- **Dr.S.Saraswathi** published a book chapter along with Dr Kavitha T New Horizon College of Engineering, Dr.Senbagavalli G AMC Engineering College, titled “Privacy-Preserving Scheme for Internet of Things” in Secure Communication in Internet of Things: Emerging Technologies, Challenges, and Mitigation, CRC Press, Jan 2024, Pages 117-129

- **Dr. Saraswathi S**, published a book/chapter titled "Hyperautomation for Next-Generation Industries" in "Wiley", Vol:-, Pages:1-34.

- **Dr. Rajeswari J**, Dr. J. Raja, N. Ramya Sairam Engg College, Dr. S. Jayashri , published a book/chapter titled " IFIP Advances in Information and Communication Technology " in "Springer", Vol:717, Pages: 381–395.

Conference Presentations / Publications

- **Dr. Saraswathi S**, presented a paper titled " Recognition of Fingerprint Images using CNN for Cybercrime Detection System" in the International Conference on Networks, Multimedia and Information Technology (NMITCON-2024) organized by NITTE Meenakshi Institute of Technology during August 9th and 10th, 2024.

- **Dr. Dhannya S M, Dr. Lakshmi Priya S**, Shreedevi Seluka Balaji, Sai Nikitha N.S.R, Shwetha S, Surabhi Kamath and Srinidhi Lakshmi Narayanan, "Vayam Solve Kurmaha @ CLEF 2024: Task 2: Humor Classification according to Genre and Technique using BERT Embeddings and Transformers", Working Notes of CLEF 2024 - CLEF 2024: Conference and Labs of the Evaluation Forum, September 09–12, 2024, Grenoble, France

- Rajalakshmi Sivanaiah, Sushmithaa Pandian, S. Subhankar, Samyuktaa Sivakumar, R. Rohan, and **S. Angel Deborah**, Self-harm Detection from Texts: A Comparative Study Utilizing BERT, Machine Learning, and Deep Learning Approaches. In: Owoc, M.L., Varghese Sicily, F.E., Rajaram, K., Balasundaram, P. (eds) Computational Intelligence in Data Science. ICCIDS 2024. IFIP Advances in Information and Communication Technology, vol 717. pp. 110–123, Springer, Cham. September 2024.

- Rakshith Subramanian, Vaishnavi S, **B Bharathi**, (2024) Team Humour Insights at JOKER 2024 Task 2: Humour Classification According To Genre And Technique, Conference and Labs of the Evaluation Forum (CLEF 2024), Grenoble, France, 9-12 September, 2024, Vol. 3740, pp. 1923-1932

- S ArunaDevi, **B Bharathi**, (2024) Machine Learning Based Approach For Hope Speech Detection (IberLEF 2024) Iberian Languages Evaluation Forum (IberLEF 2024) co-located with the Conference of the Spanish Society for Natural Language Processing (SEPLN 2024),Valladolid, Spain, September 24, 2024, Vol. 3756

- **Dr. Anusha Jayasimhan**, presented a paper entitled "Accelerating urban scene understanding for autonomous vehicles with Multi-GPU training of Semantic Segmentation" in

the 5th International Conference on Smart Electronics and Communication (ICOSEC), organized by Kongunadu College of Engineering and Technology, Trichy, held from 18-20, September 2024

- M Saipranav, Jaswanth Sridharan, Gautham Narayan G, **Angel Deborah S, Rajalakshmi S, Mirnalinee T T** and Samyuktaa Sivakumar, CLEF 2024 JOKER Task 2: Using BERT and Random Forest Classifier for Humor Classification According to Genre and Technique, 15th CLEF Conference and Labs of the Evaluation Forum, Information Access Evaluation meets Multilinguality, Multimodality, and Visualization, CEUR proceedings September 09–12, 2024, Grenoble, France.CEUR Workshop Proceedings, 3740, pp. 1902–1908 (Scopus)

- **Dr. Lakshmi Priya S, Dr. Dhannya S M**, Shwetha S , Surabhi Kamath , Shreedevi Seluka Balaji, Sai Nikitha N.S.R and Srinidhi Lakshmi Narayanan "Vayam Solve Kurmaha at Touché: Power Identification in Parliamentary Speeches Using TF-IDF Vectorizer and SVM Classifier", Working Notes of CLEF 2024: Conference and Labs of the Evaluation Forum, September 09–12, 2024, Grenoble, France.

- **Dr. Thenmozhi D**, published the following paper Gersome, Shimi, Jerin Mahibha, and Durairaj Thenmozhi. "Team shm2024 on Quantum Feature Selection." Working Notes of CLEF (2024), Vol.3740, pp.1018-1025, Sep 2024.

- **Dr. Thenmozhi D**, published the following paper the the conference. Murari Sreekumar, Shreyas Karthik, Durairaj Thenmozhi, Shriram Gopalakrishnan, Krithika Swaminathan, “Sexism Identification in Tweets Using Machine Learning Approaches”, Working Notes of CLEF (2024), Vol.3740, pp.1253-1259, Sep 2024.

- **Dr. Thenmozhi D**, published the following paper in the conference. Gersome, Shimi, Jerin Mahibha, and Durairaj Thenmozhi. "Automatic Classification of Gender Stereotypes in Social Media Post." Working Notes of CLEF (2024), Vol.3740, pp.1018-1025, Sep 2024.

- Tanisha Sriram, Yadushree Venkatesh, Sowmya Anand, **Bharathi B**(2024) DataBees at CheckThat! 2024: Check-Worthiness Estimation, Conference and Labs of the Evaluation Forum (CLEF 2024), Grenoble, France, 9-12 September, 2024, Vol. 3740, pp. 641-650

- **Beulah A.**, along with Sharmila, T.S. ASP/Anna University and Pramod, V.K. ASP/Trivandrum Medical College, published a paper titled "Diagnosis of Central Canal Spinal Stenosis from Lumbar Mid-sagittal MR Images" July 2024, In IEEE International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI), pp. 1-12.

- Ramyaa Dhinagaran, Sheerin Sitara Noor Mohamed and **Kavitha Srinivasan**, Published a paper titled as “SSNMLRGKSR at ImageCLEFmedical Caption 2024: Medical Concept Detection using DenseNet-121 with MultiLabelBinarizer.” in International Conference and Labs of the Evaluation Forum (CLEF 2024), France, pp.1-8, 9-12 September 2024.

- Giridharan, S.B.K., Sounderrajan, S., **Bharathi, B.** and Salim, N.R., (2024) SSN-NLP at CheckThat! 2024: Assessing the Check-Worthiness of Tweets and Debate Excerpts Using Traditional Machine Learning and Transformer Models, Conference and Labs of the

Evaluation Forum (CLEF 2024), Grenoble, France, 9-12 September, 2024, Vol. 3740, pp. 483-488

- Pooja Premnath, Pranav Vaithiya Subramani, Nilu R Salim, **Bharathi B**, (2024) SSN-NLP at CheckThat! 2024: From Feature-based Algorithms to Transformers: A Study on Detecting Subjectivity, Conference and Labs of the Evaluation Forum (CLEF 2024), Grenoble, France, 9-12 September, 2024, Vol. 3740, pp. 570-579.

- Dr. Mirunalini P. along with Deepak Chandar S, Diya Seshan, Avaneesh Koushik presented a paper titled Trojan Horses at Touché: Logistic Regression for Classification of Political Debates", in "Ideology and Power Identification" task on 9th September, 2024

- Dr. Mirunalini P., along with Keerthick V, Kaushik Ananth Kumar S, Kathir Kaman A and Sripriya N published a paper titled "Ssnites at Touché: Ideology and Power Identification in Parliamentary Debates using BERT Model", Imageclef 2024 in CEUR PROCEEDINGS

- Dr. Mirunalini P, along with Abbhinav Elliah, Ananth Narayanan P, Bhuvan S presented paper titled "Text-To-Picto Using Lexical Simplification" in the ImageClef'24 under To-Picto Task and also published the work in the CEUR proceedings 2024, vol-3740 , Scopus(If 0.9)

- Dr. Mirunalini P. along Avaneesh Koushik, Jithu Morrison S, Jothir Aditya R K presented a paper titled "A Transformer Based Approach for Text-to-Picto", in "Text-To-Picto" task on 10th September, 2024 and also published the work in the CEUR proceedings 2024, vol-3740 , Scopus(If 0.9)

- Dr. Mirunalini P. along with Janani Hariharakrishnan, Jithu Morrison S, presented a paper titled "Pixel Phantoms at Touché: Ideology and Power Identification in Parliamentary Debates using Linear SVC", in "Ideology and Power Identification" task on 9th September, 2024 and also published the work in the CEUR proceedings 2024, vol-3740 , Scopus(If 0.9)

- Vijayalakshmi A presented a paper entitled DYNAMIC SPATIOTEMPORAL PATTERN MINING FOR TRAFFIC FORECASTING WITHCONTEXTUAL FACTORS in International Conference on Emerging Trends in Cybersecurity and Artificial Intelligence ICETCAI-2024 by KL university ,Guntur, India during 29-31 ,2024

SCHOLAR INFORMATIONS

- **Dr. Mirunalini P.** conducted the first DC meeting for her part-time research scholar, Ms.S.Saranya on 07-08-24
- **Dr. S. Angel Deborah** conducted the first DC meeting for her part-time research scholar Ms. V. Lakshmi Priya on 20.8.24. and for full-time research scholar
- **Dr. Priyadharsini R** Conducted the first DC meeting for her part-time research scholar, Ms.N. Rashmi on 06-09-24
- **Dr. Priyadharsini R** Conducted the first DC meeting for part-time research scholar, Senbagam K on 09-08-24
- **Dr. Priyadharsini R**, Conducted the first DC meeting for her full-time research scholar , Ms.Seethalakshmi R on 09-08-2024
- **Dr Suresh J.**, conducted the Oral Examination (Viva-Voce) for his full-time research scholar, Ms V.Karthika, on 19.09.2024. The examiners are Dr Dilip Singh Sisodia from NIT, Raipur and Dr M. Venkatesan from NIT Karaikal.

PROJECTS APPLIED

- **Dr. R. Kanchana** attended a meeting on 15th July with Dr. Aslam, Former Director, BIRAC to present the details of the project proposal titled “Hrday Daura Khojak HDK : A Low-Cost, Light-Weight Enhanced ECG System for Quick Myocardial Infarction Detection” which was submitted to BIRAC for possible funding under BIG Scheme.
- **Dr. Swarnalakshmi R** is guiding a team of students from M.tech Integrated 3rd semester namely Anusha, Dharshan and Ponsubash on a project titled "SpiceUp param-a study on parameters contributing to spices contamination" for inventory management and the project budget is 25000INR
- Project Title: Tracking people in real time video surveillance using facial recognition. Project Mentor: **Dr. Beulah** A. Students: Aravind Minjur Anandakumar M A. IV Year CSE, Srilakshmi M. IV Year CSE. Total budget: Rs: 36000, Funding Agency: TNSCST- Student Project Scheme (2024-2025).

PAPERS REVIEWED

- **Dr. Mirunalini P.** reviewed a paper for the international journal Geoscience and Remote Sensing Letters
- **Dr. S. Rajalakshmi** reviewed one paper for the Intelligent Data Analysis journal on August 5 2028.
- **Dr. K. R. Sarath Chandran** reviewed one paper for the Journal of Supercomputing on 31 August 2024.
- **Dr. Mirunalini P.** reviewed a paper for the international journal Multiscale and Multidisciplinary Modeling, Experiments and Design
- **Dr.S.Rajalakshmi** reviewed 2 papers on August 19, 2024 for SPELLL 2024 · Third International Conference on Speech and Language Technologies for Low-Resource Languages which will be held at Vellore Institute of Technology (VIT), Chennai, INDIA during December 4-6, 202.
- **Dr. Rajalakshmi S.,** reviewed one paper on September 30, 2024 for the Intelligent Data Analysis Journal.
- **Dr. Saraswathi S**, reviewed a paper for the journal Peer-to-Peer Networking and Applications on 3-09-2024.
- **Dr.S.Rajalakshmi** reviewed one paper on August 1, 2024 for IEEE sponsored ASIAN CONFERENCE ON COMMUNICATION AND NETWORKS (ASIANComNet 2024) to be held in Bangkok, Thailand on October 24-27, 2024.
- **Dr. K. R. Sarath Chandran**, reviewed one paper for the Journal of Supercomputing on 31 August 2024.
- **Dr.S.Rajalakshmi**, reviewed one paper on September 19, 2024 for the Journal of Integrated Science and Technology.

EVENTS ORGANIZED

- **Dr. Priyadharsini R, Ms. Anusha Jayasimhan, Dr. Swarnalakshmi R** organized a guest lecture titled, "Emerging Trends in AI – its evolution with special focus on Responsible AI" delivered by "Sasikanth Adiraju, Sr. Staff Data Scientist | Gen AI Product Manager | Chief Advisor, Solaiera, Hyderabad" on "09.08.2024" held at CSE Seminar hall for III year UG, I and II year PG CSE students.

- **Dr. Swarnalakshmi R** along with **Dr.Priyadarshini and Dr.Anusha** jointly organized a guest lecture titled " Artificial intelligence- its evolution through responsible AI" delivered by Mr.Sasikanth Adiraju, advisor to Solaiera, a Hyderabad based startup in AI and Gen AI.

- **Dr. K. R. Sarath Chandran, Dr. Angel Deborah S, Dr. S. Rajalakshmi and Dr. S. Lakshmi Priya** organized a 2-day workshop on Embedded Software Development during 12-13 August 2024.

- **Dr. K. R. Sarath Chandran and Dr. Angel Deborah S** organized a 2-day workshop on AR/VR Development during 27 - 28 August 2024.

- The Department of Computer Science Engineering, in association with the Institution Innovation Council organized a seminar entitled "Role of Design Thinking in Educational Sector" on August 30, 2024. The seminar featured Dr. Suresh Kumar S, Associate Professor, Department of Mechanical Engineering as the speaker. The event was coordinated by **Dr. T. T. Mirnalinee,** Prof &Head, **Dr. R.Priyadharsini**, ASP, **Dr. Rajalakshmi S.**, and students Mr. Jithu Morrison S and Mr. Deepak Chandar Srinivasan.

- The Department of CSE conducted the orientation session for the II year CSE A and B section students on August 8, 2024. **Dr.T.T. Mirnalinee**, Head of the Department explained about the department, curriculum, courses offered and the facilities. **Dr.S.Rajalakshmi** and **Dr.K.R.Sarath Chandran** organized the orientation session and explained about the internal funded projects. **Dr.S.Angel Deborah** explained about the student activities and various clubs.

- **Dr.S.Rajalakshmi, and Dr.Ragavendra Kumar**, arranged and coordinated the youtube broadcast event on “Importance and Role of IIC” conducted by Ministry of Education on August 5 2024.

- **Dr. Dhannya S M**, organized a guest lecture titled "An introduction to Competitive Programming" delivered by Dr. Vijayaragunathan Ramamoorthi (postdoctoral researcher at University of Bremen, Germany) on 24.09.2024.

- **Dr. R. Priyadharsini, Dr. Swarnalakshmi R, and Dr. A. Beulah** conducted guest lecture on Entrepreneurship titled " Entrepreneurial journey and new venture creation" by Mr. Praseedh Krishnan, LOCAN Startup on 4th Sept 2024.

- **Dr. K. R. Sarath Chandran, and Dr. Angel Deborah S**, organized a 2-day workshop on AR/VR Development during 27 - 28 August 2024.
- **Dr. Sujaudeen N.**, under the banner of SSN SCM Student Chapter organized the Coding contest 'Tech Tri-via Tussle' that tests the student's speed, accuracy and technical knowledge at the CSE Seminar hall on 29-08-2024.
- **Mirunalini P., along with Dr.R.S.Milton, Dr. S. Lakshmipriya and Dr.S.M.Dhanya** have successfully conducted one day workshop on Computational Thinking for 1st M.Tech students in collaboration with Machine Learning Research group and ACM-W on 13th September,2024
- **Dr. Swarnalakshmi R Dr. R. Priyadharsini, and Dr. A.Beulah** conducted guest lecture on Entrepreneurship titled " Entrepreneurial journey and new venture creation" by Mr. Praseedh Krishnan, LOCAN Startup on 4th Sept 2024.

Workshop on Stream Data Management and Analytics in Big Data Big Stream

Speaker:

Mr. Sasikumar Venkatesh,

Staff Software Engineer

Walmart Global Tech India, Bangalore.

Coordinators:

Dr. R. Kanchana

Dr. Y. V. Lokeswari

Workshop Objective:

The workshop on Stream Data Management and Analytics in Big Data aimed to provide participants with practical insights and hands-on experience in managing and analyzing stream data using modern big data technologies like Apache Kafka, Apache Spark, Spark Streaming, and Spark SQL. The goal was to equip participants with the skills to generate and handle real-time data streams effectively for various real-world applications.

Workshop Agenda:

Day 1: The workshop kicked off with an introduction to streaming data and various sources and patterns. The participants were then introduced to real-time data generation techniques using Apache Kafka. Mr. Venkatesh led discussions on messaging systems, followed by a hands-on session on generating real-time streams. Later the speaker focused on setting up Apache Kafka clusters and producing/consuming data in both single and multi-broker systems.

Day 2: The second day, the speaker gave an in-depth session on Apache Spark and Spark SQL,, followed by participants working on design and implementation of use cases using Spark.

Day 3: The final day revolved around Spark Structured Streaming, where participants learned about DStream operations, delivery guarantees, and check-pointing mechanisms. The workshop concluded with project implementation.

Participant Engagement:

● Number of Participants: 50 people in physical mode participation

● Background: Primarily computer science students both from BE, ME and M.Tech with prior knowledge of Java and databases.

● Interaction Style: Hands-on demos, real-time discussions, and group project activities.

● Problem Solving: During the workshop, participants were given a real-world problem statement related to stream data management. They actively applied the concepts taught throughout the sessions, such as real-time data generation, Apache Kafka setup, and Spark Streaming operations.

● Group Projects: Teams collaborated on solving the problem, showcasing a deep understanding of the technologies. Their work involved producing and consuming real-time data streams, and they effectively utilized Spark Structured Streaming and Kafka for processing and analyzing data. The quality of solutions demonstrated excellent comprehension of the workshop topics and reflected the participants' ability to translate theory into practical applications.

Notable Achievements:

Several teams delivered exceptional projects, which were praised for their innovative use of the tools provided. They demonstrated creative thinking and an impressive ability to implement the concepts into real-world scenarios, such as social media streaming and stock market data processing. This was a testament to the effectiveness of the workshop in enabling participants to solve complex problems with newly acquired skills.

Workshop Outcome:

● Skills Gained: Participants gained hands-on experience in handling streaming data, setting up Kafka clusters, and using Apache Spark for processing large-scale data streams.

● Projects: Teams completed and submitted real-world applications using streaming data for review.

● Feedback: Positive feedback highlighted the practical approach, hands-on sessions, and the in-depth knowledge shared by the speaker.

Few Use Cases Discussed are Stock Market Analysis, Online Grocery order(Like Zomato, BlinkIt), Transport/Transit System, Content Streaming Platforms , Mission - Critical Applications, Messaging Platforms, POS Systems, Supply Chain System, Click Stream , Real Time Twitter Streaming/Analysis

Conclusion:

The Big Stream 2024 workshop successfully equipped participants with the necessary skills to manage and analyze real-time data streams. The hands-on approach, coupled with industry-relevant case studies, provided valuable practical experience that participants can apply in their future work.

Yuvapriya N , Vishnu Praba A J

IIIrd Year - BE CSE C

SSN ACM-W Computational Thinking Workshop

The Department of Computer Science and Engineering, in collaboration with the SSN ACM-W Student Chapter and the ML Research Group, successfully organized a workshop on Computational Thinking on 13th September 2024. The event took place in the CSE Seminar Hall, and the keynote speaker was Dr. Madhavan Mukund, Director of the Chennai Mathematical Institute.

The event commenced with Dr. Madhavan Mukund providing an insightful lecture on the importance of computational thinking in today's world, emphasizing the role of logical problem-solving in computer science. It was an interactive session with thought provoking and unique examples to aid the students in understanding the complex topics covered with ease.

This session was followed by Algorithmic Puzzles which challenged the participants with a series of puzzles, designed to test and improve their computational skills. These puzzles included lists, toads and frogs, finding the odd weights, Bakuro and the towers of Hanoi. It was a thrilling session with the students divided into 6 teams of 10 competing against each other. The next session was performances which featured the celebrity problem, linear and binary search, distributed computing, recursion, encryption and decryption and black and white hats. The concepts were introduced to the students and they were asked to come on stage to carry out the performances. This was very well received and showcased their solutions to algorithmic problems, demonstrating both creativity and technical prowess.

The workshop concluded with group-based algorithmic activities, fostering teamwork and the practical application of computational thinking concepts. It involved a detailed analysis of the classic game tic tac toe along with activities on minimum spanning trees, word ladder, the art of war, favourite movies and a combinatorial game called Geography.

The workshop provided a platform for students to engage deeply with core computational ideas while enjoying the interactive and collaborative format. The event was well-received by the M.Tech CSE First Year students, who found the workshop both insightful and engaging. They especially enjoyed the hands-on puzzles, algorithmic performances, and interactive activities, which were elaborated upon in various sessions throughout the day. It also aided senior junior interaction as the primary volunteer base was M.Tech CSE 2nd Year students.

Overall, the workshop was an excellent opportunity for the participants to enhance their understanding of computational thinking in a fun and innovative environment.

Dr. P. Mirunalini

ASP/CSE

SSN ACM-W Circuit of Infinity

The Circuit of Infinity took place on 2nd September 2024 in the IT seminar hall, from 1:30 PM to 3:30 PM. The event attracted 46 teams from SSN and SNU, with participants primarily from the first, second, and third years across departments such as CSE, IT, ECE, EEE, Mechanical, and Chemical. Teams of 1-2 members were tasked with reverse engineering executable (.exe) files within a 90-minute time limit. The goal was to test their ability to decode and replicate the files without the aid of internet resources or tools like Ghidra.



The challenge featured a series of problems aimed at testing the participants' problem-solving skills, including tasks like reversing arrays, identifying Armstrong numbers, and performing XOR calculations on strings. More complex problems involved summing binary tree leaves and calculating diagonal sums in matrices. A bonus challenge, "Revolve and Resolve," required teams to rotate arrays and calculate sums based on specific conditions. Many students expressed that the challenge was an excellent introduction to problem-solving and a stepping stone for those looking to dive into competitive programming.

The event concluded with a review session where participants received feedback and discussed their approaches. The incoming batch of students, in particular, were enthusiastic, requesting more such events in the future. The event encouraged a great amount of senior-junior interaction, with the volunteers and office-bearers making rounds to clarify their doubts and provide them sufficient guidance for smooth progress. The challenge successfully provided students a platform to explore reverse engineering and competitive programming, and develop their technical skills in a collaborative setting.

Dr. P. Mirunalini

ASP/CSE

Web3 Technology for designing Blockchain Applications

Centralization has helped onboard billions of people to the World Wide Web and created the stable, robust infrastructure on which it lives. At the same time, a handful of centralized entities, such as social media giants and e-commerce platforms, have a stronghold on large swathes of the World Wide Web, unilaterally deciding what should and should not be allowed.

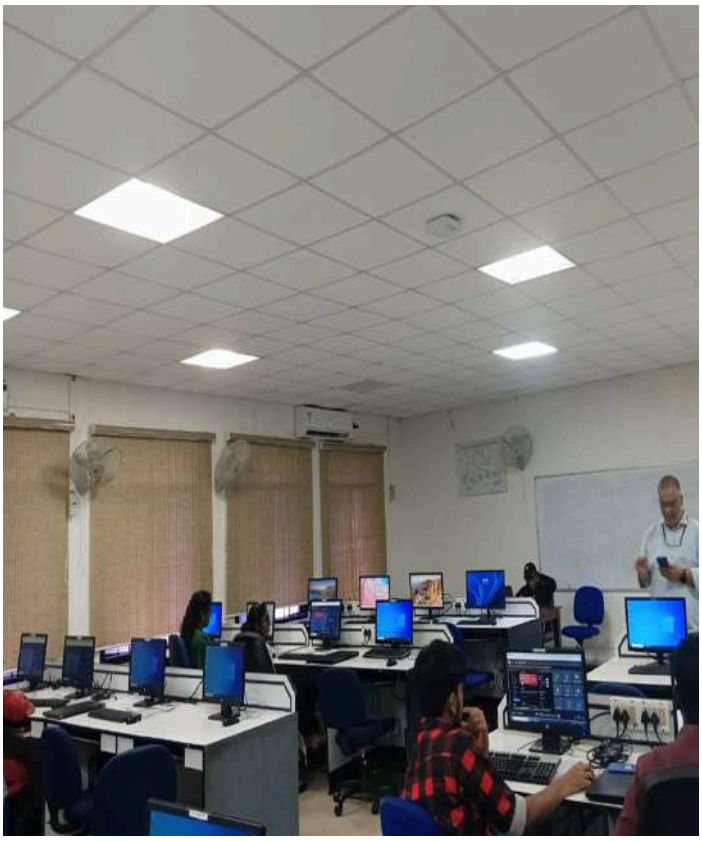
Web3 is the urgent and necessary answer to this dilemma. Instead of a Web monopolized by large technology companies, Web3 embraces decentralization and is being built, operated, and owned by its users. This stark contrast puts power in the hands of individuals rather than corporations.

The primary mission of this one-day working is dissemination of knowledge, fostering awareness, and promoting education within the dynamic Web3 & Blockchain landscape for building applications using Ethereum. The workshop was held on 4th Sep 2024.

Organized by

Dr. J. Suresh, ASP, CSE

Dr. Saraswathy, ASP, CSE



Role of Design Thinking in Educational Sector

The Department of Computer Science Engineering, in association with the Institution Innovation Council organized a seminar entitled "Role of Design Thinking in Educational Sector" on August 30, 2024. The seminar featured **Dr. Suresh Kumar S, Associate Professor, Department of Mechanical Engineering** as the speaker. The event was coordinated by **Dr. T. T. Mirnalinee, Prof &Head, Dr. R.Priyadharsini, ASP, Dr. Rajalakshmi S., and students Mr. Jithu Morrison S and Mr. Deepak Chandar Srinivasan.**

Around 55 students from III year UG attended the session. The students had the privilege of attending an insightful seminar on design thinking, where they got to explore its vital role in both our academic journey and future careers. The seminar emphasized the importance of maintaining a focused approach toward goals, avoiding distractions, and channeling creativity to develop innovative solutions. Throughout the session, various real-world examples highlighted the impact of design thinking. Notably, how companies like Volkswagen have successfully implemented creative ideas to solve complex challenges were discussed. These examples served as a reminder of the power of innovative thinking in driving progress and achieving success.

One of the key takeaways from the seminar was understanding how **design thinking is not just a skill but a mindset**. It is a systematic approach to problem-solving that encourages thinking outside the box, challenges assumptions, and creates solutions that are both effective and user-centric. This approach is so significant that even prestigious institutions like Stanford University have integrated it into their curriculum, underscoring its importance in shaping careers. This seminar gives valuable insights that will undoubtedly influence academic and professional paths. By embracing design thinking, it is better to navigate the challenges ahead and contribute meaningfully to Computer and Education fields.

Embedded Software Development Workshop

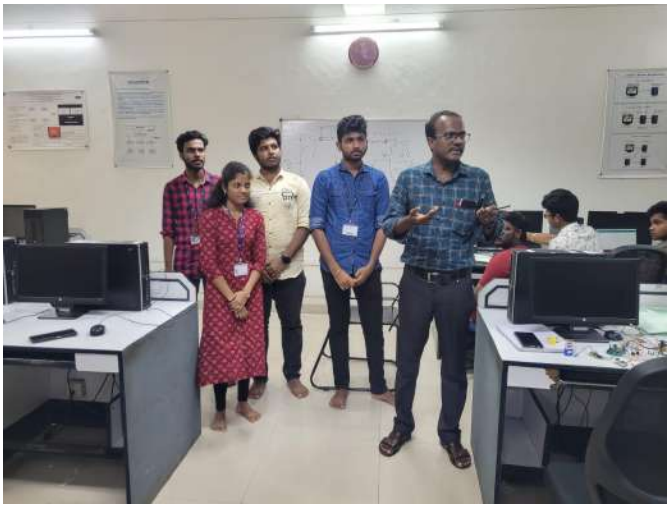
The CSE Department recently organised a two-day Embedded Software Development Workshop (8th Edition) on 12th and 13th August 2023, where a group of us had the opportunity to delve into the world of embedded systems and hands-on development.

Day 1: Building a Strong Foundation

The first day of the workshop focused on establishing a solid foundation in embedded programming. We learned the basics of embedded systems through interactive discussions and demonstrations utilising tools such as Arduino. We explored various sensors and their integration into everyday life, including how devices like LEDs, buzzers, and motors can enhance our daily activities. Before attending this workshop, I had no knowledge of how a simple door detection system works. However, after this experience, I now feel confident designing one.

Day 2: Exploring further and Project Challenges

The second day introduced us to joysticks, which was particularly engaging since many of us have used them since childhood but were unfamiliar with their operational mechanisms. We had a live demonstration on Raspberry Pi and NodeMCU, which greatly enhanced our understanding of these platforms.



In the afternoon, we faced a project challenge that required us to create a project addressing societal needs based on our two days of learning. We decided to build an obstacle avoidance robot. This robot detects obstacles and navigates accordingly: if an obstacle approaches from the right, it will turn left and vice-versa: if it detects obstacles in both directions, it will reverse. We also incorporated indicators—such as a green LED for right turns. Completing this project in just one hour demonstrated how effectively we could apply our newfound knowledge from the workshop with the help of our respected faculties.

We owe a great deal to our dedicated instructors—Dr. Sarath Chandran K.R., Dr. Angel Deborah S , Dr. Rajalakshmi S and Dr. Lakshmi Priya S, who invested considerable time in demonstrating concepts and providing guidance. Their patience and willingness to answer our questions, regardless of how many times we asked, significantly contributed to our learning experience. Their encouragement and the tasks they assigned kept us motivated and engaged throughout the workshop.

Conclusion: Celebrating Success

At the conclusion of the workshop, our project was evaluated among 12 teams, each presenting innovative ideas like Solar Panel Tracking, Parking System etc. To our excitement, our team was announced as the winners! We received valuable prizes, including Arduino kits, LEDs, wires, and various sensors.

Overall, this workshop expanded our understanding of embedded systems, and I now feel empowered to further explore this field . We're eager for more workshops like this to inspire and motivate us to grow further.

Faatina Shahul Hameed (II Year CSE A Section)

Innovation Day

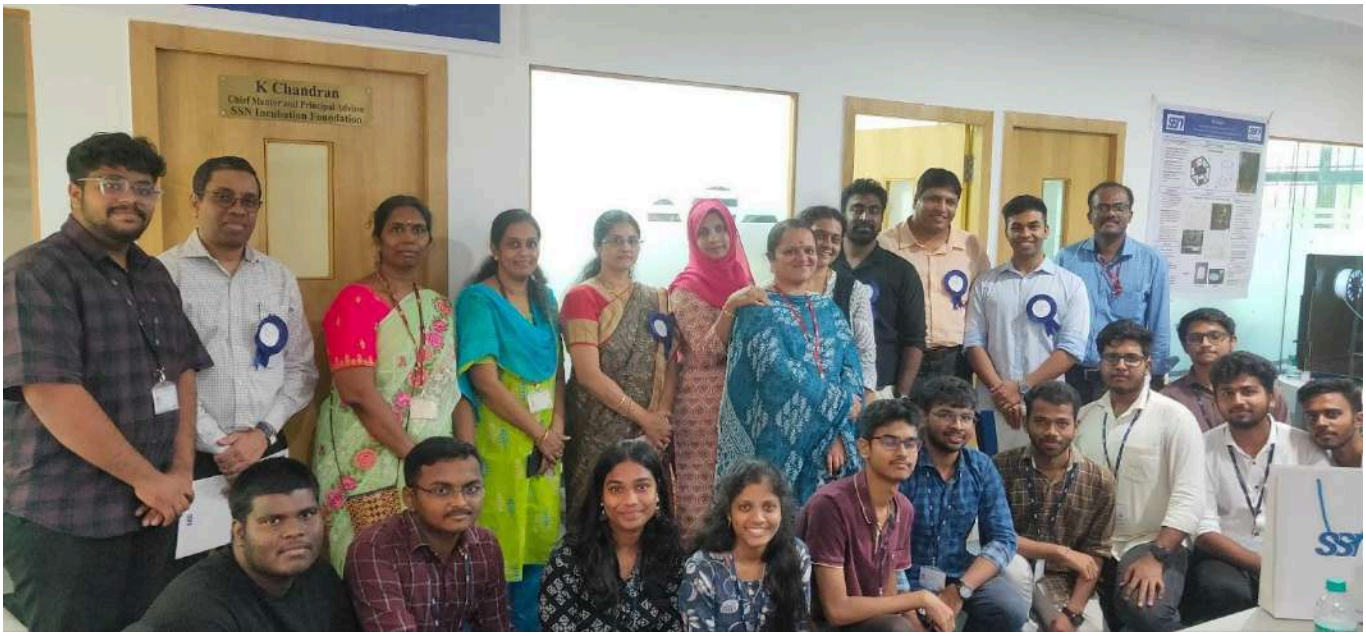
SSNCE and SSN iFound, organized the Fourth Edition of SSN Innovation Day 2024, on October 8 and 9, 2024. The Chief Guest for the inauguration was Mr. K. S. Thyagarajan, Head of Corporate Affairs & Sustainability, Agro Division, PI Industries. A total of 97 projects were displayed (61 Student Projects & 36 Faculty Projects) on the domain areas like Green Energy, Healthcare, Advanced Materials, Industry 4.0, Societal Impact and Sustainability, Smart Assistive Technologies, Artificial Intelligence, Bio-Inspired Robotics, Communication and Learning Technologies.

From CSE department 9 Student projects were displayed in SACE block, 6 Student projects and 9 faculty projects were displayed in CSE department. Sixteen industry experts from ACI Automation Pvt LTD, Wells Fargo Bank, ChandVel Technologies Pvt LTD, LTIMindtree Ltd, Cognizant Technology Solutions, Cloud Institution, Microsoft, JB Soft System, Valeo, Informatica, A2Z4.0 Private Limited, Natchuro Healing center, OnLive Studios, and Skill Boost Academy visited the projects, interacted with the students and faculty members and gave suggestions for further improvement.

Innovation day Incharges:

Dr.T.T.Mirnalinee - HoD, CSE

Dr.S.Rajalakshmi - SPOC



Committee members:

Dr.K.R.Sarath Chandran, Dr.H.Shahul Hameed, Dr.S.Raghavendra Kumar, Dr.R.Kanchana, Dr.R.Swarnalakshmi, Dr.Y.V.Lokeswari, Dr.S.Lakshmi Priya, Dr. N.Sujaudeen, Dr.B.Bharathi

List of Industry guests:

Sl.No.	Name	Designation	Organization
1	Mr.P Kalaiselvan	Managing Director	ACI Automation Pvt LTD
2	Mrs. Kirthika Sivaraj	Vice President	Wells Fargo Bank -Chennai
3	Mr.Napolean PC	Managing Director	ChandVel Technologies Pvt LTD
4	Mrs. Snehalatha Venkat	Director Quality Engineering	LTIMindtree Ltd
5	Mr.Premnath Rajendranath	Program Manager	Cognizant Technology Solutions
6	Mr.V.Sivakumar	CEO	Cloud Institution- Bangalore

7	Mr. Anand Rajaram	Maturity Lead Delivery Excellence Services	Microsoft
8	Mr. J Sampath	CEO	JB Soft System
9	Mr.Dhanasekar Chinnappan	Hardware Team Leader and Hardware Expert	Valeo
10	Mr.Vijaynath MANIARASU	Principle Engineer	Valeo
11	Mr.Pradeep G	Associate Software Engineer	Informatica
12	Mr. Prakash Muthudoss	Director & Chief Scientific Officer	A2Z4.0 Private Limited
13	Dr.InduShri	Detox Therapist	Natchuro Healing center
14	Mr.Soundar. M	LiveStreaming	OnLive Studios
15	Ms.Vijaya Govindan	Softskills manager	Skill Boost Academy
16	Mr.Kaushik	Managing Director	ACI Automation Pvt LTD

List of Students' projects displayed in SACE block:

Sl. No.	Project Title	Name of the Student	Name of the Supervisor
1	Assistive Glasses for Visually Impaired People	Prathiyangira Devi V C, III Year, CSE Sai Sandeep Sangeetham,III Year,CSE Adhithya V, III Year, ECE Dhivagar P, III Year, ECE	Dr. K.R. Sarath Chandran, CSE
2	AI-based Virtual Shopping Kiosk with Dynamic Planogram for Immersive Shopping Experience	Raghul Yadhav, IV Year CSE	Dr. T.T. Mirnalinee, CSE Dr. S. Angel Deborah, CSE Dr. K.R. Sarath Chandran, CSE
3	BAFO : Bus assist for ophthalmologic individuals	M. V. Harish Kumar IV Year CSE, Heera Ethirajan IV Year CSE	Dr. B. Prabavathy Dr. K.R. Sarath Chandran Dr. M. Saritha

4	Mithran	Rohith V, III Year CSE Rosan D, III Year CSE Srikrishnan V, III Year CSE Shudhesh Velusamy, III Year CSE Micheal Berdinanth M, III Year CSE Samyuktha D, III Year CSE	Dr. S. Angel Deborah, CSE
5	Floating Water Waste Collecting Robot	Karthikeyan A IV Year, CSE	Dr. S. Saraswathi CSE
6	Nistara - An Intuitive, Robust Disaster Assistance System	Alamelu K - IV Year, CSE Aathish S , IV Year, CSE Jahnavi M, IV Year CSE Parthiban M, IV Year CSE	Dr. S. Rajalakshmi, CSE
7	3D Printer	Sanjay M, III Year, CSE Krithika M, III Year, IT	Dr. T.T. Mirnalinee, CSE Dr. S. Angel Deborah, CSE
8	Weight Identification Of Gas Cylinder Using Image Processing	Ananth Narayanan P, III Year, CSE Sudharshan PS, III Year, IT Suraj S, III Year, IT	Dr. R. Kanchana, CSE Dr. V S Felix Enigo, CSE
9	Landslide Rerouting Application	Rohan R, III Year, CSE Samyuktaa Sivakumar, III Year, CSE; Shaun Allan H, III Year, CSE; Sneha Kumarajothi, III Year, IT	Dr. S. Lakshmi Priya, CSE

List of Students' projects displayed in CSE block:

S.No	Name of the Students	Project Guide(s)	Title of the Project
1	Janani Hariharakrishnan Diya Seshan R. Rohan Tharun Senthuravel	Dr. B. Bharathi	Augmented reality assisted wearable device for travel guidance
2	Abhishek Reddy Lingareddy 3rd Yr CSE Sakthimurugan Akash 3rd Yr IT	Dr.B.Prabavathy	Sell it Dude - A college student Market Place for selling and buying college needs.

3	Jithu Morrison S, Ravindran V, Janani Hariharakrishnan, Karapagavalli S, Krithika C, Shreejith Babu G	Dr.J.Bhuvana	Rupeewise - Track, Manage , Personalize - Your finance , Your way
4	Jithu Morrison S, Janakiraman P, Deva Dharshan G K, Anish L S	Dr.Alphin M S	IoT - Based Virtual Reality Comforting Movement Design For Healing Rehabilitation
5	T. Kavin V.K. Srihari V. Yuktha CSE Hari Hara Sudhan IT	Dr. S. V. Jansi Rani	Forensic gait analysis and recognition using deep learning
6	M. Priya II Year CSE S. Anisha II Year Chemical R. Saran II Year Mechanical V.R.Anuprapaa II Year ECE	Ms. S. Lakshmi Priya Dr. N. Sujaudeen	IoT enabled solar distillation system

List of Faculty projects displayed in CSE block:

Sl.No.	Project Title	Name of the Faculty	Department	Broad Area of the Project
1	AI enabled Screening Tool to predict Osteoporosis & its future Fracture Risk	Dr.V.S.Felix Enigo	CSE, SSNCE	Medical Image Processing - Startup
2	Real-time multi-dialect automatic speech recognition system for Tamil	Dr. B. Bharathi Dr. P. Vijayalakshmi Dr. T. Nagarajan	CSE, SSN CE ECE, SSN CE CSE, Shiv Nadar University	Speech Processing
3	Designing a lightweight Consensus Mechanism in Blockchain for loT based Asset Management	Dr. Suresh Jaganathan Dr. V. Venkatavara Prasad	CSE, SSNCE	Blockchain Technology

4	Enhancing the QoS of Network Slicing via Optimization techniques	Dr. H.Shahul Hamead Dr. S.M.Dhannya	CSE, SSNCE	Network Management
5	Automatic Detection of Stenosis in Computed Tomography Angiography (CTA) Images of Heart using Deep Learning Techniques	Dr. P. Mirunalini Dr. C. Aravindan	CSE, SSN CE IT, SSN CE	Medical Image Processing
6	BARF - Blind Abled Reading Frame	Dr. D. Thenmozhi	CSE, SSNCE	NLP and IoT
7	Video Analytics	Dr. T. T. Mirnalinee Dr. J. Bhuvana	CSE, SSNCE	Video processing
8	Nagarik Rog Pratirakshak : Unified Smart Immunization Coverage Monitoring and Analysis (NRP-UniSICMA)	Dr. R. Kanchana Prof. S. Selvakumar	CSE, SSNCE Director, IIIT Una (HP)	Data Science
9	AirSafe: Intelligent Runway Monitoring with YOLOv8 and Edge Devices for Comprehensive Foreign Object Debris Detection	Dr. R. Priyadharsini	CSE, SSNCE	Image processing and Edge computing

PhD DEFENSE

On October 22, 2024, Anusha Jayasimhan, successfully completed her PhD in the faculty of Information and Communication Engineering from Anna University. Her research focused on "Devising model compression technologies for Sustainable Convolutional Neural Networks", aiming to enhance their efficiency and effectiveness.

She is grateful for the invaluable guidance and unwavering support of her supervisor, Dr. P. Pabitha, Associate Professor, Department of Computer Technology, Madras Institute of Technology, Anna University, Chennai.

SIH INTERNAL HACKATHON

The Internal Hackathon held at Sri Sivasubramaniya Nadar College of Engineering for Smart India Hackathon (SIH) 2024 was a highly successful event that showcased the innovative capabilities of our students. This event hosted at SSN CE on 6th September 2024, was intended to identify the top 50 teams to represent the college in the upcoming SIH - India's Biggest Innovation Festival in November 2024. With 140 teams participating, each composed of students from various disciplines, the event fostered creativity and problem-solving skills through challenging SIH problem statements. Teams presented their solutions, which were judged on innovation, technical complexity, novelty, impact, and presentation quality. These projects were evaluated by 15 panels comprised of 46 judges across different academic disciplines and industries like Amazon, EY GDS, Gartner, Paypal, Citi, Optum, Flowserve, Qmaxion, LnT, Infosys, Neugenica BioTech Labs, Avaz Inc., Workato, and Informatica. The event concluded with the selection of top 50 teams for SIH 2024, across different themes. Feedback from the internal and external judges highlighted both strengths and areas for improvement, providing valuable insights for further development of SIH ideas.

Overall, the hackathon successfully prepared our students for SIH 2024 and promoted a collaborative spirit, within the college. We would like to thank the management and principal for providing the facilities for organizing this internal hackathon in a successful manner.

SIH2024 - Internal Hackathon Team- SPOC, POCs, Juries & Student teams @ CSE Dept

Judging process:

The total number of teams are 140. Fifteen panels are formed to evaluate the students SIH problem statements with 2 internal jury members from SSN CE and 1 external jury from industry. The students and internal jury members are assigned a venue for offline presentation in physical mode while the external jury member is connected through the online Gmeet link. Each panel evaluates 9 to 10 projects. The guidelines for evaluation are as follows:

1. Students are asked to present the SIH problem statement in an anonymous manner for uniformity.

2. Students are given 15 minutes for presentation and 10 minutes for question & answering.

3. The presentation of SIH problem statement ideas are evaluated and rated in the scale of 1 to 5 where 1 is low and 5 is high. The parameters used for evaluation are as follows:

a) Novelty -How do you rate the Idea on Creativity

b) Appropriateness- Does the Idea fit the problem? Is it relevant, timely and address Critical Pain Points of a genuine problem?

c) Technical Feasibility- Is it implementable within a (Software) / (Hardware) Time Frame using currently established known technologies.

d) Impact-if the Idea Find Its Way to Its Uses and Beneficiaries,- How large a positive impact in Terms of Livelihood, Health, other Social or Environmental Benefits. Do you think it will in the Long Term?

e) Overall Review-Strongly Accept, Accept, Moderate, Reject, Strongly Reject

4. Each jury member evaluates the project for 35 marks and average marks of all three jury members are taken as the final score for that team.

Total participating teams & students

Total number of Teams :140 Teams

Total Number of Students: 840

Number of Male Participants: 458

Number of Female Participants: 382

(Each team has at least one female participant)

Category	Registered	Selected	Waitlisted
Hardware	95	15	1
Software	45	30	4
Total	**140**	**45**	**5**

Venue and Jury Details

Department	Venue with Floor	Internal Jury 1	Internal Jury 2	External Jury
ECE	Microwave lab	Dr. M. Mohamed Iqbal	Dr.S. Aasha Nandhini	Mr.Rishabh R
ECE	Embedded lab	Dr. N. Kalaichelvi	Dr. Actlin Jeeva	Mr. Aditya K
ECE	Electronics lab	Dr. R.Swarnalakshmi	Dr. Satyakam Baraha	Mr. M C Sukumar,
ECE	DSP lab	Dr.Y.V.Lokeswari	Dr. P. Saravanan	Mr. Prem Kumar
ECE	AC Seminar hall	Dr.S.M.Dhannya	Dr. Sajjan Kumar	Ms.Sathyashree Mr.VV Laxmana Swamy
IT	Seminar Hall	Dr. N. Sripriya	Dr.V. Kamaraj	Mr. Abilashkumar P C
IT	Conference Hall	Dr. Sree Hari Veeramachaneni	Dr.Arun Karthick	Mr.Vignesh Balasubramani
IT	LH - 41	Dr. R. Srinivasan	Dr.Suresh Anand	Mr.Sandeep Joel A
IT	LH - 42	Dr. A. Saravanan	Dr.Subashini	Mr.Keertivaas S
IT	LH - 38	Dr Preetha Evangeline D	Dr. A. K. Lakshminarayanan	Mr.Prajeeth B
CSE	Seminar Hall	Dr.B.Bharathi	Dr. R. Vimalsam Singh	Ms. Bhargavi Ramaswamy
CSE	Cognizant Open	Dr.J.Bhuvana	Dr.Nalinkanth V.Ghone	Dr. Bagyalakshmi Ramar
CSE	Conference Hall	Dr.J.Suresh	Dr.D.Balaji	Mr. Pradeep
CSE	Windows Programming Lab	Dr.P.Mirunalini	Dr.P.Sangeetha	Mr. Vishakan Subramanian
CSE	Birac Lab	Dr.S.Lakshmi Priya	Dr.Manthiram Karthik	Mr. Vignesh Pasupathy

SIH 2024 - Internal Hackathon: Selected List (45 teams)

Team Name	Category (Hardware / Software)
Resource savvy	Hardware
Project Neptune	Hardware
Helios	Hardware
Synergy Six	Software
Myophiles	Hardware
TEAM SPARK	Hardware
Synergists	Hardware
Hackstorm Coders	Software
MetaMasters	Software
Sensrangers.ExE	Hardware
Team Synergists	Hardware
carbon raptors	Hardware
Crack-fil-A	Hardware
ByteBusters	Software
Mithran	Software
exit(0);	Software
Thunai	Software
Tide Tech Minds	Software
ProtecHer Crew	Software
Mystic Force	Software
Yukthi	Software
Ocean's 6	Software
Edvance Techies	Software
Vrddhi	Software
SCA	Software

Team Name	Category (Hardware / Software)
Status 202	Software
CodeBlazers	Software
Shot-listed	Software
Teen Newbies	Software
Desert Eagles	Software
Shore Secure	Software
Null Pointers	Software
GuideEd	Software
Aquavengers	Software
Bot Busters	Software
Swap Busterz	Software
Sankalpa	Software
Sixth Element	Software
Alpha cube	Hardware
SPACE PENGUINS	Software
G3DS	Software
RetroWave Purifiers	Hardware
GlaucoCrew	Hardware
CareTech	Hardware

SIH 2024 - Internal Hackathon: Waiting List (5 teams)

Team Name	Category (Hardware / Software)
SustainGen	Hardware
CODE RED	Software
BitCrafters	Software
CropChain	Software
CodeBlue	Software

External Jury members

Name	Designation	Company
Mr. Abilashkumar P C	Senior Cloud Engineer	Amazon Web Services
Mr.Vignesh Balasubramani	Senior Technical Lead	EY GDS
Mr.Sandeep Joel A	Lead Frontend Software Engineer	Gartner
Mr.Keertivaas S	Software Engineer 2	PayPal
Mr.Prajeeth B	SDE - Full Stack Developer	Citi
Mr.Rishabh R	Associate Software Engineer	Optum Global Solutions
Mr. Aditya K	Manager	Amazon
Mr. M C Sukumar	Process Engineer	Flow serve
Mr. Prem Kumar	Manager	Qmaxion
Ms.Sathyashree	Graduate Engineer	LnT
Mr.VV Lakshmana Swamy	Project Scientist	Ex-IITM, FreeLancer
Ms.Bhargavi Ramaswamy	Quality engineering test lead	Infosys
Dr. Bagyalakshmi Ramar	Founder-Director	Neugenica BioTech Labs
Mr. Vignesh Pasupathy	Head of Technology	Avaz Inc.
Mr. Vishakan Subramanian	Software Development Engineer	Workato

Mr. Pradeep	Associate Software Engineer	Informatica

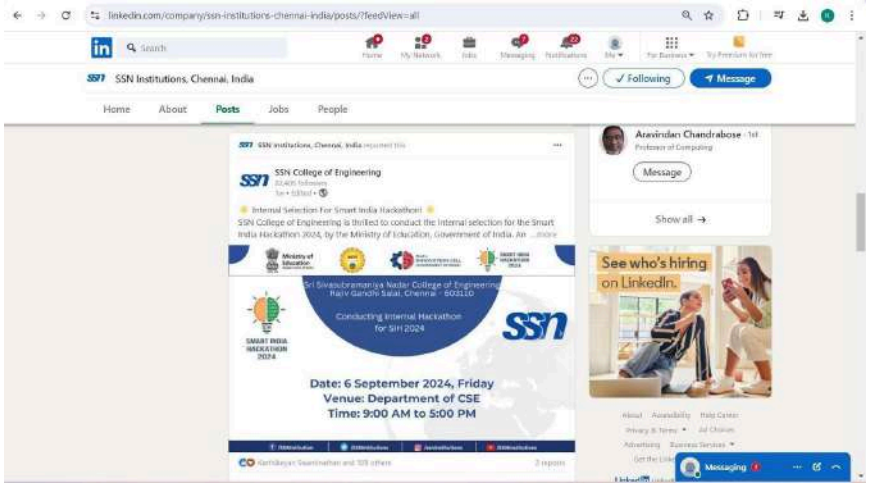
Internal Jury members

Name	Designation
Dr. R. Srinivasan	Professor
Dr. N. Sripriya	Associate Professor
Dr. A. Saravanan	Assistant Professor
Dr. Sree Hari Veeramachaneni	Assistant Professor
Dr Preetha Evangeline D	Assistant Professor
Dr. N. Kalaichelvi	Assistant Professor
Dr. M. Mohamed Iqbal	Assistant Professor
Dr.S. Aasha Nandhini	Assistant Professor
Dr. Actlin Jeeva	Assistant Professor
Dr. Satyakam Baraha	Assistant Professor
Dr. P. Saravanan	Associate Professor
Dr. Sajjan Kumar	Assistant Professor
Dr.V. Kamaraj	Professor
Dr.Arun Karthick	Associate Professor
Dr.Suresh Anand	Assistant Professor

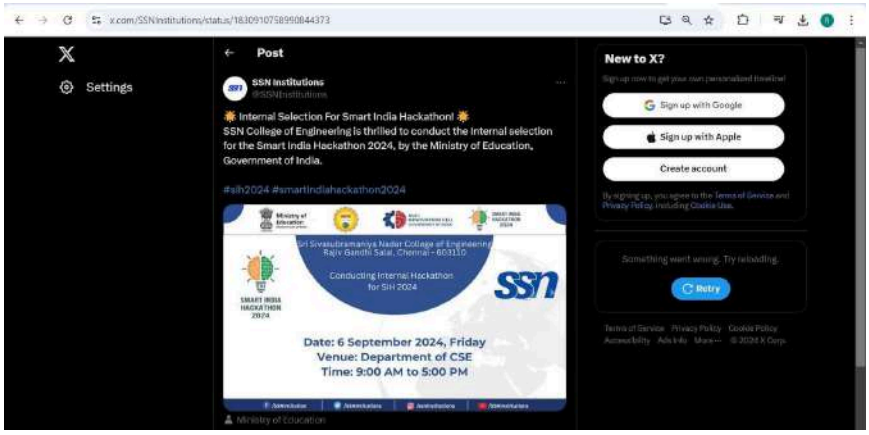
Name	Designation
Dr.Subashini	Associate Professor
Dr. R. Vimalsam Singh	Associate Professor
Dr.Nalinkanth V.Ghone	Associate Professor
Dr.D.Balaji	Associate Professor
Dr.P.Sangeetha	Associate Professor
Dr.Manthiram Karthik	Assistant Professor
Dr.J.Suresh	Associate Professor
Dr.B.Bharathi	Associate Professor
Dr.P.Mirunalini	Associate Professor
Dr.J.Bhuvana	Associate Professor
Dr. R.Swarnalakshmi	Associate Professor
Dr.Y.V.Lokeswari	Associate Professor
Dr.S.M.Dhannya	Assistant Professor
Dr.S.Lakshmi Priya	Assistant Professor

Social Media Promotion

Internal Hackathon promotion in LinkedIn



Internal Hackathon promotion in X (Twitter) with Tag to Ministry of Education



SSN SCHOLARS DAY 2024

SSN Doctorate Scholars Day 2024 was held on 29th October 2024 (Tuesday) at EEE Seminar Hall, Ground Floor. Ms. S. Sharanya guided by Dr. B.Bharathi received "Best Oral Presentation Award" for her presentation titled " Building a Comprehensive Multi-Dialect Speech Corpus for Tamil".

Following are the list of oral presentations delivered by research scholars of our CSE department.

Presentation Title	Research Scholar	Guide
Smart healthcare monitoring system	R. Ravichandar	Dr. R. Kanchana
Building a Comprehensive Multi- Dialect Speech Corpus for Tamil	S. Saranya	Dr. B. Bharathi

Following are the poster presentations made from our CSE department

Presentation Title	Research Scholar	Guide
TransFusion based Deep Learning Framework for Context Sensitive Video Anomaly Detection using CNN and Vision Transformer	J.C. Divya	Dr.T.T. Mirnalinee
Emotion Classification Using Optimized Features and Ensemble Learning Techniques for EEG Dataset	S. Dhivya Bharkavi	Dr. S. Kavitha
MediXAI system for predicted outcome analysis using LIME and SHAP for structured medical datasets	Ramyaa Dhinagaran	Dr. S. Kavitha
Foreign Object Debris Detection on Runways using Computer Vision	G.V. Ashmi	Dr. R. Priyadharsini
Designing a Deep Learning solution for Anomaly Detection in PCB boards	S. Malarvizhi	Dr. J. Bhuvana

EVENTS ATTENDED

- **Dr.S.Rajalakshmi** attended a 5-day Short-Term Training Program on "Generative AI & the Future of Work" organized by the School of Computer Science and Engineering, REVA University, Bengaluru, from 22 July - 26 July 2024.
- **Dr. S. Rajalakshmi**, attended the 30 contact hours lectures for Innovation Ambassador (IA) training “Foundation Level” conducted in online mode by MoE’s Innovation cell & AICTE during July and completed on August 5, 2024.
- **Dr. Saritha M**, attended a 5-day online Faculty Development Programme (FDP) on "Demystifying large language models with responsible AI" organized by the Department of Applied Mathematics and Computational Science, Thiagarajar College of Engineering, Madurai during August 19-23, 2024.
- **Dr.Swarnalakshmi Ravi**, attended an awareness webinar titled "Establishment of Industrial IOT Laboratory/COE" by Tamilnadu Smart and Advanced Manufacturing Centre(TANSAM)on 11th Sept.
- **Dr. B. Prabavathy**, has attended a virtual panel discussion on From Awareness to Action: Integrating PwDs into the Future Workspace.
- **Dr. V.S. Felix Enigo** completed a 5-day online faculty development program on "Demystifying Large Language Models with Responsible AI" from August 19 to August 23, 2024. It provides a clear understanding of large language models (LLMs) and their ethical implications. Topics presented included architecture, functioning, and applications of LLMs, with a focus on NLP developments. It also looked at acceptable AI methods for LLM development and deployment. The sessions were led by industry experts and academicians, incorporating lectures, case studies, and demonstrations. It provides a starting point for further investigation into LLM.
- **Dr. Nilu R Salim,** attended 5-day Online UHV FDP conducted by AICTE from 23rd September-27th September 2024.
- **Dr. R. Kanchana** completed a 2-week (20 hours) Industrial Training on Generative AI-Novice to Master during 16-27 Sep 2024 organized by EduLakes Solutions.

Faculty Development Programme (FDP) on "Demystifying large language models with responsible AI"

A 5-day online Faculty Development Programme (FDP) on "Demystifying large language models with responsible AI" were organized by the Department of Applied Mathematics and Computational Science (AMCS), Thiagarajar College of Engineering (TCE), Madurai during August 19-23, 2024.

On the first day, Dr. S. Jaya Nirmala, Associate Professor, Dept of CSE, NIT Trichy presented an insightful talk on Foundations of Large Language Models (LLMs). Dr. S. Parthasarathy, Professor & Head, Dept. of AMCS, TCE, Madurai provided an overview on ethical considerations for Responsible AI. Second day, Dr. S. T. Padmapriya, Assistant Professor, Dept of AMCS, TCE detailed on the Research Applications of Generative AI. Dr. Vidhya Kamakshi, Assistant Professor, Dept of CSE, NIT Calicut explained the need for Responsibility in AI Systems.

Third day, Dr. Rajiv Ratn Shah, Associate Professor, Dept of CSE, IIIT Delhi discussed in detail about the Architecture of large language models. He also provided the practical insights of large language models. Fourth day, Ms. B. Krithika, Customer Success Lead, Conversight.AI, Coimbatore elucidated the shared responsibility among developers and users, to ensure ethical use and mitigate risks.

On the final day, Mr. M. Surendhar, Data Research Engineer, Conversight.AI, Coimbatore, provided an introduction about generative AI and prompt engineering. The session was interesting as we came to know about the optimisation and fine tuning of LLMs, and the availability of tools, techniques, and evaluation methods of large language models was quite useful. It was intuitive to know that, by carefully crafting prompts, users can improve the relevance, accuracy, and creativity of the output, and it was understood how prompt engineering is tailored to specific needs.

Dr. M. Saritha

OTHER ACTIVITIES

- **Dr. Mirunalini P.** mentored the student Mr.R.Balaji, II Year M.Sc Computer Science from Thiagarajar College, Madurai from May-June 2024 at SSN under Student Summer Internship Programme.
- **Dr. Rajalakshmi S.** guided the student Ms.Sneha, II year, B.E Computer Science, Knowledge Institute of Technology from July 9, 2024 to August 3, 2024 in SSN Student Summer Internship (SSI 2024) Programme.
- **Dr.S.Rajalakshmi, and Dr.Ragavendra Kumar** arranged and coordinated the youtube broadcast event on "Importance and Role of IIC" conducted by the Ministry of Education on August 5, 2024.
- **Dr.S.Rajalakshmi** acted as a question paper setter for a subject in the end semester examinations December 2024 of Mepco Schlenk Engineering College (Autonomous), Sivakasi on August 19, 2024.
- **Dr. N.Sujaudeen** acted as interview panel member for evaluating the Extracurricular activities for the first year admission of SSN College of Engineering on 29-08-2024.
- **Dr.N. Sujaudeen** coordinated the inauguration of Association of Computer Engineers (ACE) for the Academic year 2024-25, on 28-08-2024.
- **Dr.N. Sujaudeen** coordinated the hosting of the Eleventh edition of SSN SNUC Model United Nations (MUN) for the Academic year 2024-25, on 16-08-2024.
- **Dr. Swarnalakshmi R**, has guided a team for Smart India hackathon in Education theme Smart classroom sub theme. Also served as internal jury for scrutinising teams across various themes and select top list at college level.
- **Dr.S.Rajalakshmi, Dr.K.R.Sarath Chandran, Dr.H.Shahul Hameed and Dr.Raghavendra Kumar** conducted the review for selecting the projects for Innovation day (Oct 8&9, 2024) on Sep 18, 2024.
- **Dr. Dhannya S M**, served as a jury member for 3 stages of reviews at the Hackinfinity hackathon conducted as part of Invente by Dept of ECE at SSN.
- **Dr. Swarnalakshmi R**, along with UG students for project related field study, visited Madras Music Academy on 3rd october. The discussions were held to enhance primary data collection, understand the challenges with respect to sruthi or pitch and so on.

INVITED TALKS - Inside SSN

- **Dr. K. R. Sarath Chandran and Dr. Angel Deborah S** acted as resource persons for 2-day workshop on Embedded Software Development organised by the Department of Computer Science and Engineering during 12-13 August 2024.
- **Dr. Saraswathi S**, presented the Topic "Blockchain" in the workshop RECENT TRENDS IN COMPUTING RESEARCH, on 14the September 2024 organized by the department of CSE and IT.
- **Dr.S.Rajalakshmi** along with Dr.N.Sripriya, gave a talk on “Natural language processing - Research Areas” in One Day Workshop On RECENT TRENDS IN COMPUTING RESEARCH on 14th September 2024 conducted by Department of CSE and IT, SSN CE.

TEACHERS DAY CELEBRATION

- **Dr.T. Thenmozhi and Dr. Bharathi** were conferred with the prestigious title of “Best Teacher “ on 5th Sep 2024, during the Teachers Day celebrations.

- **Dr. Swarnalakshmi R** participated in Teachers Day events - Pattimandram (debate) and emerged as best speaker in her team. The event was conducted by HR SSNI.

NAAC AUDIT

National Assessment and Accreditation Audit was held on September 26 2024. Prof. Y V Rami Reddy, Member Coordinator, Professor, Sri Venkateswara University, Andhra Pradesh has visited CSE department as part of NAAC peer team. During the audit, following details were discussed and submitted for verification.

1. Highest impact factor publication
2. Funded projects
3. Mid semester feedback
4. Process for handling slow and fast learners
5. Collaboration with industry
6. Equipment purchased in the past year.
7. Student Faculty Ratio (SFR)
8. Process followed during the pandemic period
9. Details of the highest pay package earned by the CSE students.
10. List of faculty attended NEP related programmes.

The auditor also visited the labs and the department library. Projects by the faculty and the students were kept on display in the labs and the professor interacted with the faculty and students about the same.

STIRS Project Review

- **Dr. S. Rajalakshmi, Dr. K. R. Sarath Chandran, Dr.H.Shahul Hameed, Dr. Raghavendra Kumar,** conducted the final review of STIRS-IFSP projects sanctioned for 2022-23 on August 29 and 30, 2024.
- **Dr. S. Rajalakshmi, Dr. K. R. Sarath Chandran, Dr. H. Shahul Hameed, Dr. Raghavendra Kumar** conducted the final review of STIRS-IFSP projects sanctioned for 2022-23 on August 29 and 30, 2024.

STUDENT ACHIEVEMENTS

CO-CURRICULAR ACTIVITIES

- Chandravel Saravanan of 3rd year CSE has organized an intra-college-state level talk named 'How to hack a hackathon?' as a part of IEEE Computer Society SSN Student branch held on 22.08.2024 at SSN College of Engineering, Kalavakkam between 1:00 PM to 3:30 PM.
- Rohith V , Rosan D , Srikrishnan V of III year CSE have participated in Hack4Change a national level hackathon conducted by Google and the nudge institute held at New Delhi from 20-24 August 2024 recognised as Top 10 innovations and Top 1 in agri innovations.
- 41 CSE students have attended the two days national level workshop on Embedded Software Development during 12.8.2024 to 13.8.2024 organized by department of CSE, SSN College of Engineering, Chennai.
- 44 CSE students have attended the three days national level workshop on Stream Data Management and Analytics in Big Data - Big Stream 2024 during 22.8.2024 to 24.8.2024 organized by department of CSE, SSN College of Engineering, Chennai.
- 45 CSE students have attended the two days national level workshop on AR and VR during 27.8.2024 to 27.8.2024 organized by department of CSE, SSN College of Engineering, Chennai.
- Mithuna S of integrated mtech CSE of SSN college of engineering has participated in the national level inter-college Hackathon Greenhack'24 held on 19 and 20th september 2024 organised by Department of chemical engineering, Sri sivasubramanian Nadar College of engineering
- The Association of Computer Engineers (ACE) official inauguration was held at the Mini Auditorium on 28th August 2024. This event highlighted the club's mission to foster innovation and leadership among students. The ceremony was graced by the esteemed Chief Guest, Mr. Syed Hassan, Chief Operating Officer of CAMS. The event also witnessed the presence of Dr. T.T.Mirnalinee, the HoD of the Department of Computer Science and Engineering, along with faculty coordinator Dr. N. Sujaudeen and students from 2nd year, 3rd year and 4th year participated in this event.
- The student chapters of SSN ACM & ACM-W jointly organised a session titled “Across the Internverse”, an insightful discussion on 17th October at CSE seminar hall. Third year students Diya Seshan, Joshua and Priyadarshini shared their internship experience along with skills on resume crafting, navigating in-person interviews and so on.

Mitacs Globalink Research Internship at the University of Alberta and the Alberta Machine Intelligence Institute

This summer, I had the privilege of participating in the Mitacs Globalink Research Internship at the University of Alberta (UAlberta). Under the mentorship of Dr. Sunil Kalmady and Dr. Russ Greiner, I worked on a research project focusing on generative models for synthesizing ECGs, especially for anomalous cases. My time at UAlberta and my involvement with the Alberta Machine Intelligence Institute (Amii) gave me exposure to some of the most cutting-edge research in the field, while also allowing me to experience the beautiful landscapes and vibrant culture of Alberta.





My time in Canada and my appointment to the University of Alberta was funded by Mitacs. Mitacs is a Canadian non-profit organization that promotes research and innovation by connecting international students with Canadian academic institutions and industry partners.

The Mitacs Globalink Research Internship offers highly competitive opportunities to senior undergraduate students worldwide to work on research projects in Canada.

I spent three months working both at the Computing Science Department at the University of Alberta and the Alberta Machine Intelligence Institute (Amii) in downtown Edmonton. The Computing Science Department is housed in Athabasca Hall, which was the first building at UAlberta, built back in 1911. It still retains its old-world charm, with a castle-like feel that makes it a unique place to work.

On the other hand, Amii, where I also spent a lot of my time, is located in the heart of downtown Edmonton. The office space there is bright, modern, and full of energy, providing a stark contrast to the historic feel of Athabasca Hall.

During my internship, I worked on a project aimed at developing generative models to synthesize ECG signals, particularly for anomalous cases, within the Greiner Lab and supported by the Canadian VIGOUR Centre. The goal of this research was to create realistic, synthetic ECG data that could be used in clinical settings to improve diagnostic models. Synthesizing ECGs for rare or unusual cases helps build more robust diagnostic tools that can better detect and interpret anomalies, ultimately leading to more reliable medical decisions.

The project involved exploring how generative models, such as GANs, could be used to produce realistic ECG data that mimicked both normal and abnormal heart conditions. This synthetic data could be particularly useful in augmenting real-world datasets that often have limited examples of rare heart conditions. The ultimate aim was to enhance the quality and diversity of training data for diagnostic models, leading to improved accuracy in AI-powered cardiovascular diagnosis. This project was a significant challenge but also deeply rewarding. It provided a foundation for the work I am currently doing, where I focus on building multimodal and explainable models for ECG analysis.

My research was primarily supervised by Dr. Sunil Kalmady and Dr. Russ Greiner. Dr. Kalmady's guidance was instrumental in helping me navigate the complexities of developing generative models that are both accurate and clinically relevant. His mentorship extended beyond just technical advice; he consistently encouraged me to think deeply about the broader implications of our research and to focus on creating systems that could have a real-world impact.

I also worked with Dr. Russ Greiner, a professor of Computing Science at UAlberta and a pioneer in machine learning applications in healthcare. Dr. Greiner provided valuable insights specifically about the usage of actionable insights and counterfactual reasoning to develop clinically relevant solutions.

As part of the Mitacs internship program, I had the opportunity to present my research at two significant events. The first was the UAlberta International Symposium for research interns, where I shared my findings with peers, professors, and fellow researchers. The second was the Reverse Expo organized by the Department of Computing Science at UAlberta, where I presented my work to an industry audience. I was also fortunate to be able to present at the Greiner Lab, where the ideas and feedback from the group have significantly helped me improve my approach.

Beyond the academic and research aspects of my internship, I also had the chance to explore the stunning natural beauty of Alberta. My trips to Drumheller and Banff were among the highlights of my stay.

Drumheller, famous for its vast dinosaur fossil deposits, provided a fascinating glimpse into Alberta's prehistoric past. I had the opportunity to visit the Royal Tyrrell Museum and Horsethief canyon as part of a day trip with UAlberta International.

However, some of my most unforgettable moments came from my trip to Banff. Nestled in the Canadian Rockies, Banff was absolutely breathtaking. The mountain scenery, crisp air, and serene beauty made it the perfect place to unwind. I visited Lake Louise and Moraine Lake, both of which were stunning with their turquoise waters and towering peaks. These places were like something out

of a postcard, and they made me appreciate the natural beauty of Canada even more. The entire trip felt like a magical getaway.

Although my official Mitacs internship has concluded, I am fortunate to continue working with Dr. Kalmady, Dr. Greiner, and the Greiner Lab remotely. My current research builds upon my earlier work in Canada and focuses on multimodal models for ECG data and creating explainable AI systems. I am particularly excited to explore how these models can be made more interpretable for healthcare professionals, enhancing both the accuracy and trustworthiness of AI-assisted diagnoses. Staying connected with the UAlberta and Amii research communities has been an invaluable opportunity, and I look forward to seeing how this work evolves in the coming months.

My Mitacs Globalink Research Internship at the University of Alberta was a life-changing experience that not only enhanced my research skills but also broadened my perspectives on the intersection of AI and healthcare. The mentorship of Dr. Sunil Kalmady and Dr. Russ Greiner, helped shape a project that has both academic and real-world significance. Coupled with the stunning beauty of Alberta and the vibrant research community at UAlberta and Amii, this summer was an experience I will carry with me throughout my academic and professional career.

Pooja Premnath

CSE B, Year IV

INTERNSHIP AT CARNEGIE MELLON UNIVERSITY

My internship at Carnegie Mellon University was a fantastic experience that expanded my technical skills and deepened my understanding of AI in healthcare. My main project involved using Generative Adversarial Networks (GANs) to fill in missing cardiovascular data, addressing critical gaps in patient records. This hands-on work showed me the real-world impact AI can have, especially in making healthcare more accessible.

The program had three parts: studying foundational AI research, attending workshops on Multimodal Machine Learning for IoT, and implementing these ideas in a project. Reading research papers helped me grasp key concepts in AI, while the IoT lectures equipped me with practical skills for integrating diverse data sources like wearables and sensors.

A memorable project during my internship was developing a RAG-based medical assistance bot that runs on iPhones using Siri intents. This bot can provide reliable medical support even offline, enhancing accessibility for users.Beyond work, I enjoyed exploring Pittsburgh's local food spots, adding a personal touch to my experience. Looking back, I'm grateful for this journey, which not only advanced my skills but also strengthened my ambition to drive meaningful change with AI.

Sanjai Balajee
CSE, 4th Year

My internship at Carnegie Mellon University was nothing short of transformative. I had the chance to immerse myself in cutting-edge research, pushing the boundaries of AI technology, particularly in the healthcare space. The focus of my project was on synthesizing cardiovascular data using Generative Adversarial Networks (GANs) to address a critical issue in healthcare—missing patient data. This experience not only strengthened my technical expertise but also gave me a glimpse into how AI can revolutionize healthcare by providing more complete, accurate patient records, ultimately improving patient outcomes.

The structure of the internship was designed to be both challenging and deeply educational. The program was divided into three distinct tracks: reading seminal AI research papers, attending hands-on lectures on Multimodal Machine Learning for IoT, and applying these concepts through a real-world project. In the first track, I delved into foundational AI papers which gave me a comprehensive understanding of how these theories shaped modern AI. Weekly discussions with faculty and peers helped refine my technical and presentation skills. For the second track, I attended a series of lectures on Multimodal Machine Learning for Internet of Things, gaining hands-on experience with AI models that integrate data from different sources, including sensors and wearables. This equipped me with practical skills that were crucial for my final project.

The real magic happened in the project phase. My work focused on cross-modality data synthesis, where I used AI to generate missing ECG data and explored converting ECG signals into medical images like MRI scans. It was an incredibly rewarding challenge, allowing me to see firsthand how AI can bridge gaps in healthcare, particularly in places with limited access to advanced medical technology.

This project showed me the tangible impact of AI on people's lives, and it solidified my desire to work in this space. Reflecting on the internship, I feel both equipped and inspired to contribute to this dynamic field. This experience didn't just hone my skills—it gave me the vision to "think boldly about the future of AI" and its potential to reshape industries for the better.

Bhavana Anand

CSE 4th year

CISCO CAMPUS AMBASSADOR PROGRAM

Dharunika Sasikumar from Third year CSE has been selected as a Campus Ambassador for Cisco! As a part of this program, she will be acting as a bridge between Cisco and SSN, helping to organize several events like hackathons, tech talks, and various competitions.

This is a great opportunity for all the students to get more involved with Cisco and learn about the latest technologies directly from their team. Cisco offers a lot of exciting programs for our students who can get a chance for Industrial visits to their Bangalore office where we can see their tech in action.And in collaborating with them we can also organize workshops on topics like Networks, AI, and cybersecurity.

There are also events like :

- Discover Cisco
- Coding challenges
- Bootcamps
- Tech and cultural fests.

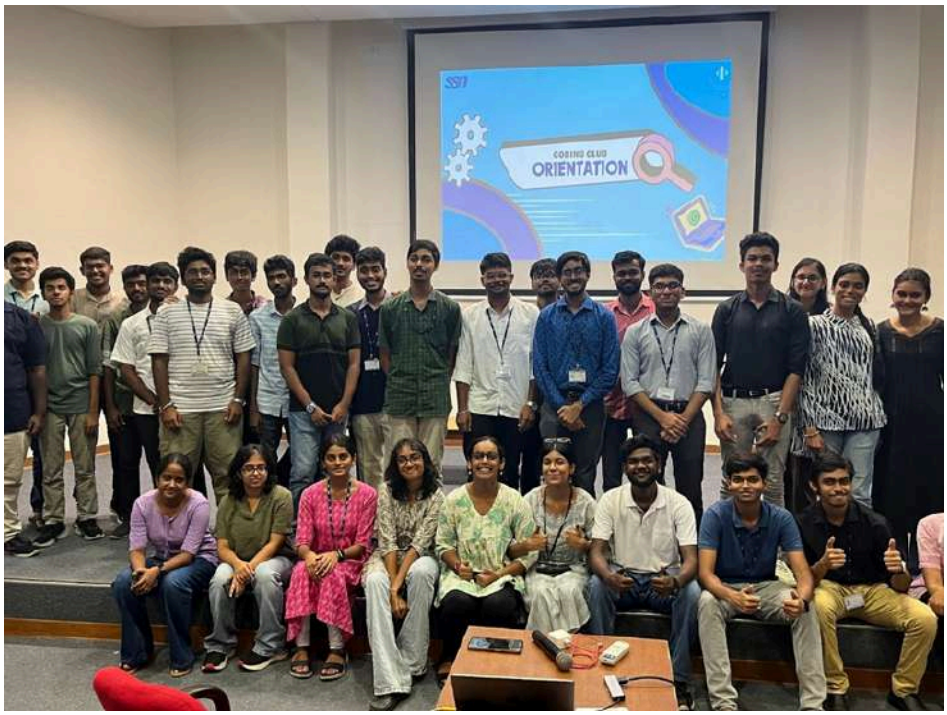
One of the best parts is that the Cisco team will be guiding our students through their tech talk series in-person (Their team may come to our college if possible) and virtual meetings, giving us the chance to learn directly from the experts.

Coding Club Activities

Coding Club Orientation 2024:

Date: 20th September 2024

The annual coding club orientation session for first year students was conducted on 20th September 2024 at the mini auditorium. The club president gave an introduction at the start of the event, outlining the significance of the coding club and its function in promoting a coding culture across departments. In his reflection on the club's development, the president noted how it has expanded steadily by bringing in new verticals like game development, AR/VR, and cybersecurity. This illustrated the club's dedication to expanding its reach and staying ahead of technological developments. Following the introduction, team leads and deputy leads from each vertical took turns presenting their focus areas and the events they have planned for the academic year.



The presentations provided a detailed overview of each vertical's goals and initiatives. The Competitive Programming (CP) team explained the core elements of CP, describing it as a blend of mathematics, data structures, and algorithms. They introduced various coding platforms that could help first-year students kickstart their programming journey and shared details about contests conducted both by the club and external organizations. The Full-Stack Development team provided an overview of the domain, emphasizing the importance of learning both front-end and back-end technologies. They discussed how they plan to conduct workshops and provide opportunities for students to contribute to club projects, paving the way for skill development in the field. The AI/ML team discussed the latest advancements in artificial intelligence and machine learning, inviting

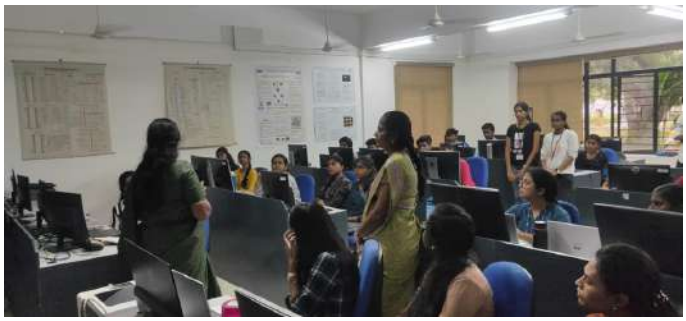
students to explore this rapidly evolving domain. They shared tips on participating in Kaggle contests and shared tasks. The cybersecurity team stressed the growing significance of their domain, explaining its role in the broader technology landscape and introducing students to tools and platforms for capture-the-flag (CTF) challenges. Additionally, the open source team explained the pivotal role of open-source development in modern software, discussing their upcoming workshop on Git and GitHub, which will be the club's first event of the academic year. The AR/VR and game development team offered insights into this exciting field, highlighting the department's collaboration with Tata Elxsi. Lastly, the PR team explained their role in coordinating efforts across all verticals and ensuring smooth communication. They encouraged students to follow the club's social media accounts for updates on future events, workshops, and opportunities.

A question-and-answer session followed, where first-year students actively participated by asking questions about the club's activities, gaining insights into college life, and receiving valuable tips on how to succeed during their academic journey. The event served as a valuable introduction for students to understand how the different verticals function and how they can get involved. Key takeaways included learning about the events scheduled for the academic year, the opportunity to network with seniors and like-minded peers, and receiving guidance from experienced students in their chosen domains. The event was attended by 125 students from CSE, IT and M.Tech CSE, 35 students from ECE and EEE, and 40 students from Mechanical, Civil, Chemical and BME departments.

AR/VR Workshop

The AR/VR Workshop was an immersive and interactive event that offered participants a comprehensive dive into the world of Augmented Reality (AR) and Virtual Reality (VR) development. Aimed at both beginners and budding developers, the workshop combined expert-led sessions, real-world project building, and engaging discussions to provide a rich learning experience. The event began with a session on Unity for game development, where attendees learned key skills such as 3D modeling, texturing, lighting, and sound integration while creating their own jump game. In the following session, participants were introduced to AR development using the Vuforia engine, where they explored tracking methods like image and ground plane targets, enhancing their AR interactions with QR code scanners. The workshop then progressed to VR development using Meta Quest and Unity, where attendees created a VR bowling game while mastering features like hand tracking and object interactions.

The workshop concluded with a certification for participants and an introduction to an in-house AR/VR hackathon, offering a 4-week challenge to apply their newfound skills. The event's blend of hands-on learning and theoretical knowledge allowed participants to work on real AR/VR projects under the guidance of experienced professionals.Additionally, participants were invited to join the AR/VR club that offers advanced project opportunities and access to special events, further enhancing their learning and career development in the AR/VR domain. The event was attended by 33 B.E. CSE students and 19 M.Tech students.



Hacktober Fest'24

Date: October 12th, 2024

On October 12th, five members of our college's Coding Club had the opportunity to participate in the Hacktoberfest Meetup held in Bangalore, an integral part of the global Hacktoberfest initiative that has fostered open-source collaboration for over a decade. The event brought together a vibrant mix of developers, students, and tech enthusiasts, all united by their shared passion for contributing to open-source projects and advancing innovation within the tech community. For our team, it was an incredible chance to delve deeper into the world of open-source development, gain exposure to new technologies, and engage with experienced professionals and peers who are equally passionate about coding and collaboration.

The meetup featured several insightful sessions that captivated the audience with real-world applications and hands-on learning opportunities. A standout session on containerized Retrieval-Augmented Generation (RAG) pipelines, powered by GPU droplets, sparked fresh ideas on how we might integrate these tools into our own projects. Another session focused on deploying and managing open-source web applications using DigitalOcean's App Platform, offering a streamlined approach to scaling web applications efficiently. Additionally, the session on setting up virtual clusters using DigitalOcean Kubernetes Service (DOKS) was particularly useful for those interested in large-scale applications, giving us a deeper understanding of Kubernetes and its potential in managing containerized environments. Each of these sessions provided our team with new technical insights and inspiration for future club projects.

Beyond the technical knowledge, the Hacktoberfest Meetup underscored the importance of community and collaboration in the open-source ecosystem. The event fostered an environment where developers from diverse backgrounds could share their unique perspectives and experiences, reinforcing the idea that open-source is about more than just coding—it's about building a collective spirit of learning and innovation. Engaging with other participants in discussions and networking opportunities broadened our understanding of the collaborative nature of the tech community.

The connections we made and the knowledge we gained at the meetup were as valuable as the technical sessions themselves. These takeaways have not only inspired us to further explore open-source contributions but also to foster a stronger sense of community within our own Coding Club. Overall, the Hacktoberfest Meetup in Bangalore was a rewarding and enriching experience, and

our members are eager to continue contributing to open-source projects and participating in similar events in the future.

Introduction to Cybersecurity

Date: October 5th, 2024

The SSN Coding Club hosted its first Cybersecurity Workshop, focusing on the fundamentals of cybersecurity for first and second-year students. The two-hour event aimed to provide a strong foundation in cybersecurity concepts, including the installation of Virtual Machines (VMs), basic Linux commands, and an introduction to Capture the Flag (CTF) challenges. Facilitated by Nikilesh and Ashiq, the workshop kicked off with an introduction to the vast domains within cybersecurity, such as network security, cryptography, ethical hacking, and incident response. The facilitators emphasized the growing significance of Linux as an essential tool in cybersecurity, particularly in tasks like system hardening and penetration testing. This introduction set the stage for an engaging hands-on session, where students gained practical exposure to key cybersecurity skills.

The workshop began with a step-by-step guide to setting up a Virtual Machine using VirtualBox and pre-installed Kali Linux. Nikilesh explained the importance of VMs in creating a secure, isolated environment for learning and experimentation. This allowed students to practice with cybersecurity tools without impacting their host systems. Once the virtual machines were set up, Ashiq took over and introduced participants to essential Linux commands that are critical for navigating and managing remote systems in cybersecurity. Commands such as file management (ls, cd, pwd), networking basics (ifconfig, ping, netstat), and package management (apt-get) were thoroughly explained. Ashiq highlighted the relevance of these commands in real-world cybersecurity tasks, such as remote server management and penetration testing, providing valuable insights into how they are used by professionals. The session then shifted to the highly anticipated Capture the Flag (CTF) challenges, which introduced participants to hands-on cybersecurity problem-solving. Ashiq walked students through Bandit wargames, a popular series of beginner-level CTF challenges designed to teach essential cybersecurity concepts using command-line interactions. Students learned how to connect to remote servers, navigate through directories, search for files, and extract flags (passwords)

to progress to the next level. This hands-on approach helped solidify the Linux command knowledge gained earlier in the session. Additionally, Ashiq introduced PicoCTF, a beginner-friendly platform with a variety of challenges in cryptography, web exploitation, and reverse engineering, encouraging students to continue practicing and enhancing their skills outside the workshop.

The workshop concluded with a 15-minute Q&A session, where students had the opportunity to clarify doubts and seek further guidance on topics such as Bandit wargames, the practical applications of Linux commands, and the broader cybersecurity field. Nikilesh and Ashiq also addressed technical challenges some participants faced during the hands-on activities and provided additional resources for further learning, such as HackTheBox and TryHackMe, which offer more advanced CTF challenges. The workshop was well-received, with around 35-40 students actively participating in both the lecture and practical sessions.

In conclusion, the SSN Coding Club's Cybersecurity Workshop provided students with a solid foundation in cybersecurity, leaving them with hands-on experience and valuable resources for further learning. The facilitators' clear explanations, combined with the interactive nature of the session, ensured that students left with enhanced problem-solving skills and a newfound interest in cybersecurity. Moving forward, the club plans to expand these workshops by increasing the session duration to cover more advanced topics, such as penetration testing tools like Nmap and Metasploit, and organizing live, collaborative CTF challenges to further deepen participants' understanding and teamwork abilities.

ACM - Internship Insights Talk Series 2.0

On September 4th, the second edition of the "Internship Insights Talk Series," was held in the CSE Seminar Hall. The session featured our talented 4th-year CSE students:

- Swetha J (4th Year CSE, Summer Intern at Barclays)
- Ojus YV (4th Year CSE, Summer Intern at Dell)
- Jahnavi Murali (4th Year CSE, Summer Intern at Natwest).

They shared their experiences and insights on securing prestigious internships, offering valuable advice on resume crafting, preparation for coding rounds, and navigating in-person interviews.

The event saw enthusiastic participation from 2nd and 3rd year students, who gained valuable insights on navigating ongoing internship drives and the significance of domain-focused projects. The session offered a clear roadmap, greatly aiding their academic and professional growth. Overall, it was a highly successful event, leaving the audience motivated and better equipped for their future pursuits.

ACM Tech Trivia Tussle

On August 29th, the SSN ACM student chapter hosted the "Tech Trivia Tussle", in the CSE Seminar Hall, an event designed to test speed, accuracy, and technical knowledge. Contestants competed in a series of challenges, with the fastest and most accurate team emerging as the winner.

The event unfolded in two exciting rounds:

Round 1: Quiz 📝

- Teams faced 15 MCQ questions, and the top 15 teams advanced to the next round.

Round 2: Connexions and Pictionary 🎨

- This round featured a fun mix of connections and Pictionary. What we anticipated to be challenging was met with impressive teamwork and quick thinking! Teams that crossed the threshold score moved on to the **Finals**:

Finals: Problem Solving and Code Debugging 💻

- In the final round, teams tackled problem-solving tasks and debugging challenges. After coding, our volunteers validated the solutions by checking the number of test cases passed via LeetCode links.

We were thrilled to see such a strong turnout and the competitive spirit among all participants. The energy of the participants truly made this event special! The results of the contest are: 🏆🏆

🥇 **1st Place**: **Team Guangdong Tigers**
Abhishek K R (III Year IT), *Pranav Moorthi* (III Year CSE), *Kaushik Murugesan* (III Year EEE)

🥈 **2nd Place** (Shared by two teams):
Team V^3
Vijay Karthick V (III Year CSE), *Varsha Sekar G* (III Year CSE), *Yuktha* (III Year CSE)
Team Ethachu Podu
Rohan R (III Year CSE), *R Rohan* (III Year CSE), *Niranjan B* (III Year CSE)

🥉 **3rd Place**: **Team Labrevent**
Sundaresh Karthic Ganesan (III Year CSE), *Tharunithi TJ* (III Year CSE), *Syed Tahir Ali* (III Year CSE)

🎉 **A big congratulations** to all the winners, and a heartfelt thank you to every participant for making this event such a **wonderful success**! We're looking forward to seeing you at future events!

ACM & ACM-W - Across the Internverse

The student chapters of SSN ACM & ACM-W jointly organised a session titled “Across the Internverse”, an insightful discussion where our peers shared their internship journeys and experiences. The session was held on 17th October 2024 in the CSE Seminar Hall. The speakers were students who have received internship opportunities from distinguished companies like Google, Motorq and D E Shaw

- Diya Seshan (III, CSE, SSN) – Intern at DE Shaw & Co
- Priyadharshini Sridhar (III, BTech AI&DS, SNU) – Intern at Google
- Joshua Bharathi (III, BTech AI&DS, SNU) – Intern at MotorQ

They shared their experiences and insights on securing prestigious internships, offering valuable advice on resume crafting, preparation for coding rounds, and navigating in-person interviews.

The event was attended by enthusiastic 2nd and 3rd year students, who have begun to gain clarity on how to approach ongoing internship drives and the importance of domain-oriented projects. This session provided key takeaways on how to navigate the internship application process, prepare effectively, and stand out in the competitive recruitment landscape. Overall, the event was a resounding success, leaving the audience well-prepared and motivated for their future endeavors.

ACE INAUGURATION 2024

The Association of Computer Engineers (ACE) celebrated its official inauguration at the Mini Auditorium on 28th August 2024. This event highlighted the club's mission to foster innovation and leadership among students. The ceremony was graced by the esteemed Chief Guest, Mr. Syed Hassan, Chief Operating Officer of CAMS, who shared his valuable insights with the audience. The event also saw the presence of Dr. T.T.Mirnalinee, the HoD of the Department of Computer Science and Engineering, along with faculty coordinator Dr. N. Sujaudeen, who played an instrumental role in organizing the event.

The inauguration began with a warm welcome to the distinguished guests, faculty members, and students from the 2nd, 3rd, and 4th years. Dr. T.T.Mirnalinee, HoD of the CSE Department, addressed the gathering with an inspiring speech that emphasized the importance of clubs like ACE in nurturing technical and leadership skills among students. Following this, Dr. Sujaudeen introduced the Chief Guest, Mr. Syed Hassan, who then took the stage to deliver the keynote address.

In his address, Mr. Syed Hassan shared his vast industry experience and provided the students with invaluable advice on navigating the professional world. He emphasized the importance of staying updated with the latest technological advancements and encouraged the students to actively participate in events and projects that would enhance their learning experience. His speech was well-received by the audience and left a lasting impression on everyone present.

As a token of appreciation, Mr. Syed Hassan was presented with a memento by the HoD. The gesture symbolized the club's gratitude for his time and the wisdom he imparted during the event.

The President of ACE, Sanjjit S, then addressed the gathering, outlining the club's role in overseeing all the existing clubs and societies within the CSE department. The President emphasized that ACE would serve as an umbrella organization, ensuring cohesive collaboration among the various student bodies, and fostering a unified environment for innovation and technical growth.

Following this, there was a segment on Invente, chaired by Harshida S P, Secretary of ACE, who introduced Invente 9.0, the upcoming national-level tech event. The event heads then took the opportunity to briefly introduce their respective events, providing a glimpse into the exciting competitions and workshops that would be a part of Invente, encouraging students to participate actively.

The inauguration ceremony concluded with a vote of thanks delivered by Chandravel Saravanan, Vice President of ACE. He expressed heartfelt gratitude to the Chief Guest, faculty members, and students for their support and participation in the event.

The inauguration was a successful beginning for the ACE club, setting a positive tone for the academic year ahead, marking the start of what promises to be an exciting and productive year for the ACE club and its members.

IndiaAI Fellowship

The Ministry of Electronics and Information Technology (MeitY), Government of India, has awarded the IndiaAI Fellowship to four final-year students: Pooja Premnath, Harish Kumar M V, Jahnavi Murali, and Apurva Narayan. Each student will receive INR 1 lakh to support their work on an innovative AI research project over the coming year.

The IndiaAI Fellowship, part of the IndiaAI FutureSkills initiative, aims to bridge the gap between theoretical knowledge and practical application in AI by empowering students with resources to develop impactful projects. The fellowship is open to the top 50 NIRF-ranked institutions, encouraging these institutes to nominate students with strong academic backgrounds in AI and endorsed project proposals. Fellows are also encouraged to publish their findings, contributing to the growth of AI research in India.

Harish Kumar M V: Mentored by Dr. Y.V. Lokeswari, Harish's project seeks to make cancer treatment more adaptive by using machine learning to tailor treatment plans to individual patients' responses. By reducing the reliance on trial-and-error methods, this approach aims to provide oncologists with more reliable guidance in personalized care.

Pooja Premnath: Under the guidance of Dr. S. Rajalakshmi, Pooja's project focuses on building a text-to-SQL system that allows healthcare professionals to query Electronic Health Records (EHR) databases using natural language. This tool would enable easier access to crucial clinical data, such as medications administered for similar disease classes and the impact of demographics on diagnoses, thereby streamlining data retrieval for medical decision-making.

Jahnavi Murali: Working with Dr. S. Rajalakshmi, Jahnavi is developing a content moderation system that provides clear, understandable feedback to content creators about why certain content might be removed or demonetized. By enhancing transparency in moderation decisions, this system seeks to foster a more informative and fair online environment for creators.

Apurva Narayan: Guided by Dr. D. Venkata Vara Prasad, Apurva's project uses AI to support patient interactions by integrating large language models with emotion recognition. By adapting responses based on emotional cues, this project aims to improve patient engagement and deliver more personalized support in healthcare settings.

This fellowship helps these students bring their projects to life, applying AI to address practical needs across healthcare and digital spaces. Pooja, Harish, Jahnavi, and Apurva are grateful for the support of their advisors, the Head of the Department, Dr. T.T. Mirnalinee and the institution for nominating their projects, and supporting their fellowship applications. More details on the IndiaAI Fellowship can be found here.

Pooja Premnath, Harish Kumar M V, Jahnavi Murali, Apurva Narayan

CSE 4th Year

EXTRA - CURRICULAR ACTIVITIES

- Aniket Mondal of ll year CSE has participated in Services selection board (SSB) Interview, Organized by INDIAN NAVY at national level held at SCC Bhopal from 06.08.2024 to 10.08.2024
- Hemalatha R and Angappan R of III year CSE have participated in YRC volunteering at the First Year orientation Programme organized by SSNCE held at 23.08.2024-Friday in Justice Pratap Singh Auditorium,SSNCE.
- Rajkumar M and Prashanth G V of III Year CSE have participated in the First Year Orientation Programme organized by YRC held during 21.08.2024 to 23.08.2024 at SSN and Volunteering Activity @ AID INDIA on 26.08.2024.
- Ricson Jawahar, Sridhar, Subramanian, Roshan, Rajkumar, Sanjay from IV year have participated in YRC wall painting and freshers orientation event during from 21/08/2024 to 26/08/2024 organised by SSN YRC at State Level. Wall painting event was held at Rayapettai AID india office, Rayapet Chennai.
- Seetharam Killivalavan of III Year CSE has participated in the LICET cricket tournament as a part of the SSN Cricket Team organised by LICET at intra college level held at LICET, Chennai.
- Yuvapriya N of 3rd year CSE C has delivered a cultural dance performance during the teacher's day celebration organized by SSNCE on 5/9/2024.

PLACEMENTS

Student Name	Company
Ayshwarya B	**Avalara**
Sam Matthew Hendry	
Vaidhegi Dinesh	
Vaishnavi S	
Darshan R	**Barclays**
Shakthi Sree M N	
Subramanian T	
Swetha J	
Aathish Sivasubrahmanian	
Alamelu Kannan	
Keerthan V S	

Makesh Vaibhav A.G.	
Manickam Palaniappan	
Mega Venkatachalam	**Citi Bank**
Mohith A	
Priyaadharshini Ramesh	
shivanni velmurugan	
Subhankar Suresh	
Udanthika B V	
Ananya C B	
Apurva Narayan	
Aswath Venkatesh	
Gayathri N	
Loganathan Sri Shalini	
Milin Dhitshithaa EM	

Raghul Yadhav K	**Fidelity Investments**
Rakshith Subramanian	
Sanjjit S	
Sathvika V S	
Shravan Sreeram	
Vaishnavi Thummalacheruvu	
Vijai Aravindh R	
Sridhar K	**Mr. Cooper**
Jahnavi Murali	**NatWest**
Gnana Sai G	**Rapyuta Robotics Pvt. Ltd.**
Sundaresan Veeraprakash	
Ashwini Parvatha G S	**Rocketlane**
Charumathi P	
Olirva M	
sanjhay venkatachari	
Yashasvee Vijaykumar	
Vaishnavi S	**Sagent**
Achuthanandan J	**AstraZeneca**

Krithik Sathya	
Rayhan Abdurrahman	
Pranaya Padmanabhuni	**Barclays**
ShobikaK M	
Prahalad Rajagopal	**BNY Mellon**
Tejaswi Kakarla	
Nila Sureshkumar	**CITI Bank**
Tejas V	

Ilanchezhiyan V	**Comcast India Engineering Center**
Kishore N	
Nithiyanantham M	
Priya M	
Sasi Reka P	
Arvind V	**Microchip**
Amirdha Anbazhagan	**NatWest**
Ashwanth GP	
H.P.Prithika Priyadharshini	
Rohith M	**Presidio**
VaishalRaj G	
Deepti Gowtham	**Prodapt**
Parthiban Mohan Kumar	
Karthik Vijayakumar	**Verizon Data Services India Private Limited**
Nila Sureshkumar	
Shreyas Saravanakarthikeyan	
Srilakshmi M	
Subash A	
Tejas V	
Venkatasai Ojus Yenumulapalli	

ALUMNI ACTIVITY

- Mr. Sasikumar Venkatesh, Staff Software engineer, Walmart, ME CSE Alumni 2014-2016, visited the campus as resource person for Three-day Workshop on Bigstream-2024 speaker and interacted with HoD and faculty members on 24-08-2024.
- Mr. Padmesh, Software Engineer, Avalara Technologies, BE CSE Alumni 2019-2023 visited the campus for placement recruitment for 2025 batch students on 16-08-2024.
- Mr.Harishankar, Member Leader Staff ZLabs, Zoho Corporation, BE CSE Alumni 2010-2014, visited the campus for placement recruitment for 2025 batch students on 28-08-2024.
- Dr. Deepanjali S, Post Doctorate Research, IITM, PG ME CSE Alumni 2014-2016, visited the campus for NAAC and interacted with HoD and faculty members on 26-09-2024.
- Dr. Subin Sahayam M, Assitant Professor, SNU Chennai, PG ME CSE Alumni 2014-2016, visited the campus for NAAC and interacted with HoD and faculty members on 26-09-2024.
- Mr. Sriraghav K, Versa Netrworks, UG BE CSE Alumni 2013-2017, visited the campus for NAAC and interacted with HoD and faculty members on 26-09-2024.
- Mrs. Mrithula K L, Tech Analyst, CITI, UG BE CSE Alumni 2020-2024, visited the campus for Invente Event Judge and interacted with HoD and faculty members on 28-09-2024.
- Mr. Karun Anantharaman, Motorq, UG BE CSE Alumni 2019-2023, visited the campus for NAAC and interacted with HoD and faculty members on 26-09-2024.
- Mr. Aniruth TN, Software Developer Engineer, Motorq, BE CSE Alumni 2019-2023, visited the campus and interacted with HoD and faculty members on 06-08-2024.
- Mr. Sushaanth Srinivasan, pursuing MS, BE CSE Alumni 2019-2023, visited the campus and interacted with HoD and faculty members on 16-08-2024.

EDITORIAL TEAM

FACULTY EDITORS

STUDENT EDITORS