

SMRITI

*Department of
Computer Science and Engineering*

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EDITORIAL DESK

Greetings to all SMRITI readers. We are delighted in consolidating the accomplishments and remarkable works that happened in the department during this period.

Our students have always been an integral part of the department, they have been avid to participate and organize various technical and non-technical events.

We are proud of our student Rishab of second year who received High Cash Incentive Award by the Honourable Sports Minister, Udhayanidhi Stalin, at the prestigious Kalaivanar Arangam, Chennai with cash reward of Rs. 9 lakhs during February 2024 for representing India in the Junior Category at the World Championship held in Ibague, Colombia.

We commend our students Alamelu, Aathish, Parthiban, and Hemasree of third year for winning the Social Impact Award in Open Hack '24. Also, we appreciate Aathish and Aditya B of third year for securing first place in VIT Chennai's Password 2024. It is good to see our student Raghul Yadhav of third year mentored by Dr. Angel Deborah S has won second runners up position in "State Level Mobile Game Development Contest" on the theme "Plastic Waste Management" organized by TCE under the Ministry of Environment Forest and Climate Change, Government of India. Kudos to Pradeep K M of second year who has secured various prizes in seven different competitions across colleges in TamilNadu.

Our department always witnesses a flock of students marching towards higher studies. Hats off to all our students who have received opportunities to pursue higher studies in universities abroad.

The department congratulates Dr. R. Kanchana for getting a fund from ICMR for her project along with members from Kalinga Institute of Medical Sciences and KIIT University, Bhubaneswar, The INCLEN Trust International, New Delhi and Indian Institute of Information Technology, Una . It is good to note that Rs. 1.24/- crores has been sanctioned for the first year. Also the department congratulates Dr. B. Bharathi for becoming Wipro Certified Faculty by clearing assessments conducted by Wipro. Heartfelt applause to Dr. S. Lakshmi Priya and Dr. J. Rajeswari for successfully defending their doctoral thesis. We wish them a fruitful academic and research career.

We appreciate the efforts of Dr. R. Kanchana, Dr. B. Prabavathy, Dr. V. S. Felix Enigo, Dr. J.Suresh, Mr. Raghavendra Kumar Sakali and Dr. J. Rajeswari in organizing the International Conference on Computational Intelligence in Data Science (ICCIDS) 2024.

This period was packed with faculty development program on "Advanced AI", National Level Technical Symposium on "Cyber Security", workshop on "Large Language Model", several guest lectures on "Security in the IoT world", "Exploring Career Paths and Motivation to Success", "Impact of Artificial Intelligence and Machine Learning in Business", "NoSQL databases", "Research Practices in Computer Science", "Being a Successful Entrepreneur", "Coding to Tech Job - Unfolding the Roadmap" and a project expo. We commend all the organizers for organizing these events to impart knowledge.

We are euphoric to witness the recent accomplishments of both our faculty and students during this quarter. With eager anticipation, we look forward to an even more productive quarter ahead.

SMRITI Editorial Team

EXTERNAL INTERACTIONS AND RECOGNITIONS

Wipro - TalentNext - Wipro Certified Faculty [WCF] Training Workshop

Dr. B. Bharathi, attended Wipro - TalentNext - Wipro Certified Faculty [WCF] Training Workshop on JAVA Full Stack from 19th Feb to 8th March 2024. Successfully cleared the “WIPRO Certified Faculty” Assessment on 19th March 2024.



DC Members

1. **Dr. J. Suresh**, attended the DC meeting for the scholar, Mr Jerin Jose at Sathyabama Institute of Science and Technology on 03.02.2024.
2. **Dr. Bharathi B.**, attended synopsis for the scholar from SRM University on 16-02-2024 through online mode.
3. **Dr. Bharathi B.**, attended synopsis for the scholar from Chennai Institute of Technology on 14-02-2024 through online mode.
4. **Dr. R. Priyadharsini**, Attended the First Doctoral Committee Meeting for Ms. V. Sundari - Research Scholar (Part-Time), Anna University on 30th January, 2024 in Online mode.
5. **Dr. Saraswathi S**, attended confirmation DC meeting on 26th Feb 2024 at 9:00 AM in the department of CSE, Velammal Engineering College through online mode.
6. **Dr. Saraswathi S**, attended the synopsis meeting on 26-03-2024 from 11.50 a.m. to 1.30 p.m.at VIT Chennai through online mode.

National Institute for Empowerment of Persons with Multiple Disabilities (Divyangjan)

Dr. T.T. Mirnalinee, Professor and Head/CSE, Dr. R. Amutha, Professor/ECE and Dr. Angeldeborah S,AP/CSE visited National Institute for Empowerment of Persons with Multiple Disabilities on 12th February 2024 to discuss possible research collaborations.

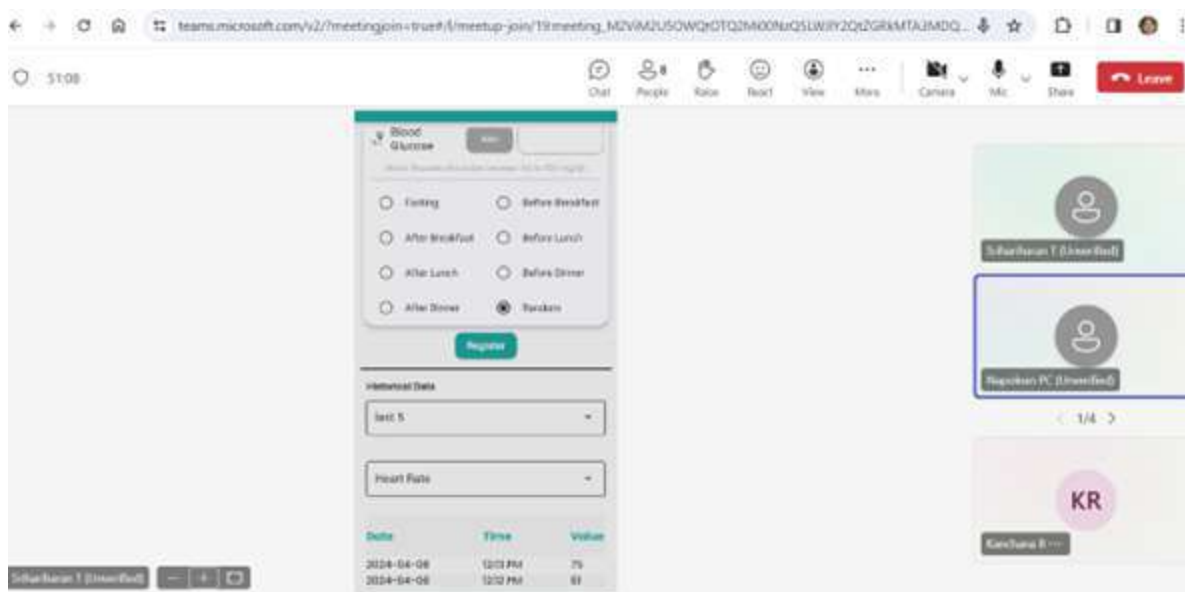
National Initiative for Technical Teachers Training - 2024

Dr. J. Rajeswari, completed 4 Modules “Communication Skills, Modes & Knowledge Dissemination, Instructional Planning and Delivery, Technology Enabled Learning & Life Long Self Learning, Student Assessment and Evaluation” conducted by National Initiative for Technical Teachers Training - 2024 (NITTT - 2024) on 30th of March 2024.

INDUSTRY COLLABORATION

Chandvel Technologies

On 13th Feb 2024, Dr. T. T. Mirnalinee, Prof. & Head, Dr. R. Kanchana, ASP/CSE and Dr. P. Mirunalini, ASP/CSE interacted with Mr. P.C. Napoleon, MD, Chandvel Technologies for a consultancy project on BP monitoring through mobile phones.



Caterpillar

1. A consultancy project titled, "Depth Estimation for Autonomous Vehicles" was approved by Caterpillar for an amount of Rs 6.54 Lakhs with **Dr.T.T. Mirnalinee Professor & Head, CSE, Dr. J. Bhuvana ASP, CSE and Dr. K. Sarath Chandran AP, CSE** as investigators. The students involved are Alamelu Kannan, Aathish Sivasubrahmanian, Harish Kumar M. V, Hemasree Senthil from III Year CSE of 2021- 25 Batch.
2. A consultancy project titled," EV Battery Optimization", was approved by caterpillar for an amount of 2.25 Lakhs with **Dr.P.Mirunalini, ASP, CSE and Dr.R.Priyadharsini ASP,CSE** as investigators. The students involved are Raghul Yadhav K, Sathvika V S and Subramanian T from III Year CSE of 2021-2025 Batch.

HCL, Chennai

Dr Arun Janarthanan, Technology Director & Engineering Practice Head, Global EdTech HCL visited the department of CSE on 8th Feb 2024. **Dr. T. T. Mirnalinee, Dr. R. Kanchana ASP/CSE, Dr. H. Shahul Hamead AP/CSE, Dr. K.R. Sarathchandran AP/CSE** interacted with him about consultancy projects and collaborative proposals.



Fidelity, USA

The Senior Management Team of Fidelity USA visited our department on 8th February 2024 and discussed with the faculty members and head of the department for possible collaboration in research. The students of the Computer Science and Engineering department of SSNCE had the invaluable opportunity to showcase their problem solving prowess and development skills by demonstrating their projects to top members and executives from the Fidelity Investments Group.



A variety of projects ranging from the themes of finance to inclusivity were explained by students. Aathish Sivasubramanian, Alamelu Kannan and Jahnvi Murali showcases 'FinFit', an app created to simulate financial situations to improve financial knowledge for youngsters. It was appreciated for its high relevance not only in India but in America as well. Next, a website- 'Voxtranslate', to translate educational content into any regional language to increase the outreach of online

study material to rural areas developed by Yashasree V, Vijai Aravindh, Sathvika VS and Vaishnavi S was praised for its importance in ensuring equal educational opportunities.

Then, Sign ARcade aimed at making the society more inclusive towards hearing impaired persons by providing Indian Sign Language simulations, created by Swetha J, Sathvika VS and Vishvasri. The app made use of cutting edge technology such as AR-VR and deep learning. Next, Apurva Narayan, A Sadhana and A Bhavana gave a demonstration of their assisted mobile navigation app-'DigiWe' which helps people who are not well versed with technology learn how to do so step by step. The panel could personally relate to how DigiWe would help their aging parents get in touch with technology. Finally, Apurva Narayan, Rupam Banik, Thenmozhi J, Karthik V, Olirva M and Keeethan displayed their award winning app- SeedShare, which makes use of AI to suggest farmers of different regions to invest in other crops in order to sustain their income despite calamities and reduce crop wastage.



All the students were highly appreciated for their enthusiasm and skills to solve real life problems using technology, hence, moving towards the industry's expectations.

Barclays, Chennai

Dr. T. T. Mirnalinee, Prof. & Head/CSE, Dr. R. Kanchana, ASP/CSE, Dr.V. Balasubramanian, ASP/CSE and Dr. N. Sujaudeen, AP/CSE attended the meeting with Barclays, Chennai team regarding the avenues for collaboration such as Barclays upcoming Hackathon, consultancy projects and workshops on 1st Feb 2024.



SAP India

SAP India sponsored Hackathon - iTech Hackfest 2024, is the third edition of a national-level Hackathon, which provides a platform to bring talented students from diverse backgrounds together to collaborate and create innovative solutions to real-world problems. The theme will be based on COP28-UNEP, United Nations Climate Change Problems. The prize money will be \$3000, \$2000 & \$1000 for first, second and third prize respectively. SSN CE is participating in this event as a regional partner for the second time in a row. In this connection, a meeting with SAP team comprising Mr. Jayanth Bagare, Director/Chief Development Architect - SAP Academy for Engineering, Bharath Prasad, Chief Development Architect at SAP Labs India and Venkat Raman L, Development Expert at SAP Academy for Engineering happened on 8.2.2024.

DigiToad Technologies Pvt. Ltd

Dr. T. T. Mirnalinee and Dr. R. Kanchana interacted with Mr. Dhruba Jyoti Dutta, Asst Technical Manager, DigiToad Technologies Pvt. Ltd. On 26th Mar 2024 and discussed about their proposal for setting up “Embedded AI Engineering Lab”



Tamil Nadu Smart & Advanced Manufacturing Centre (TANSAM)

Mr. Sukhpreet Singh, CEO of Tamil Nadu Smart & Advanced Manufacturing Centre (TANSAM) Centre of Excellence (powered by SIEMENS) and his team visited our department on 19th February 2024 and discussed with the faculty members and head of the department for the possible collaboration in research. The following student projects Voxtranslate, SignARcade, ARExperience, Posture detection using IoT, Equigo and VR exposure therapy were presented to the team. They interacted with the students and appreciated their efforts.

Bank of America

Ms. Annie Juliet, Assistant Vice President at Bank of America, visited our department on 20th March 2024 and delivered an expert talk titled "Exploring Career Paths and Motivation to Success" for CSE students. The talk was organized by Dr. R. Kanchana and Dr. S. Angel Deborah



Annie Juliet BE.,MBA....,MA (CS)., (She/Her) • 1st
Assistant Vice President at Bank of America | Public ...
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Gratitude Overflowing! 🌟

A big thank you to SSN College for giving me the incredible opportunity to address the bright minds of the Computer Science Engineering batch today. It was truly an honor to engage with such enthusiastic and driven students.

I'm deeply appreciative of the students' active involvement and insightful contributions during our session. Your eagerness to learn and your belief in the power of knowledge truly inspires me. I trust that the takeaways from today's discussion will serve you well in your academic journey and beyond, shaping your lives in meaningful ways.

Special thanks to the HOD and incharge Dr. Angel Deborah, for their unwavering support and commitment to motivating and guiding the students. Your dedication to fostering a nurturing learning environment does not go unnoticed.



Wipro Technologies

Mr. M.Ezhilarasan, Wipro Technologies, was the speaker for the 2-Days National Level Technical Symposium on "Cyber Security - Insights and Practical Approach" organized by the Department of Computer Science and Engineering held during 26, 27 March 2024.

DRDO

Dr. T.T.Mirnalinee, HOD/CSE, Dr. Mirunalini P.,ASP/CSE had a online meeting with Dr. O.R. Nandagopan, Director DRDO Industry Academia-Ramanujan CoE, IIT Madaras research park, for possible research collaborations on March 7th,2024.

TCS Research and Innovation

Dr. R. Narayanan, Principal Scientist, TCS Research and Innovation, visited our department on 14th February 2024 and delivered an expert talk titled "Impact of Artificial Intelligence and Machine Learning in Business" for 3rd year CSE students.

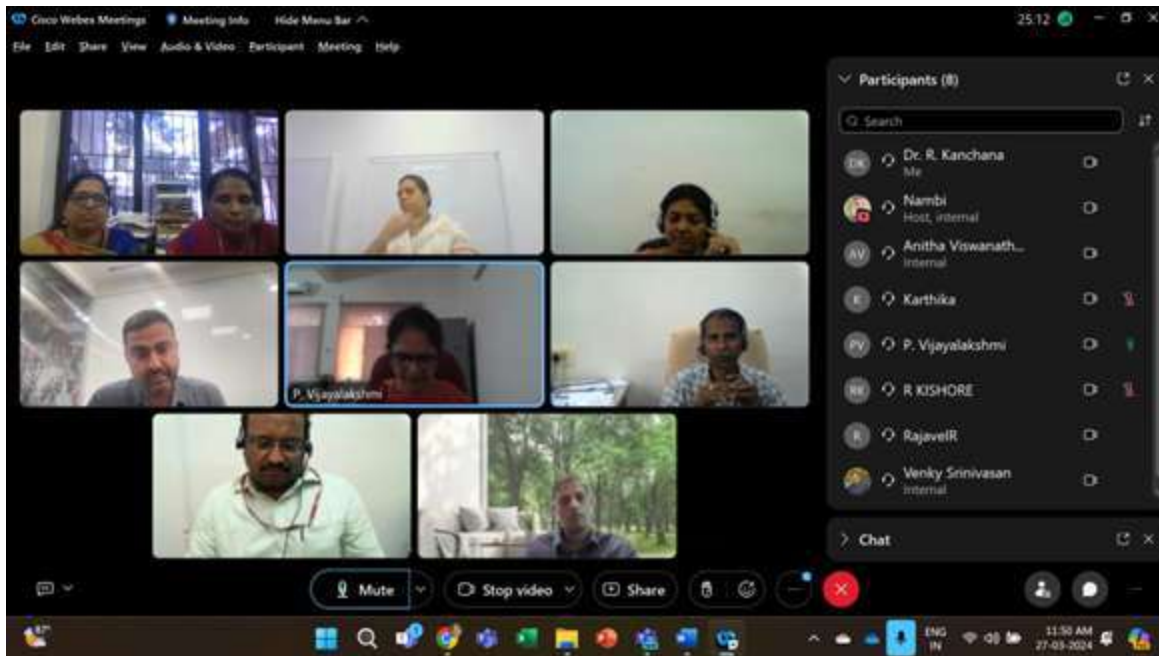
TCS, Chennai

Dr. R. Kanchana, ASP/CSE, Dr. R.S. Milton, Prof./CSE, Dr. Chitra Babu, Prof./CSE and Dr. T.T. Mirnalinee, Prof./CSE interacted with Dr. Manohar from TCS, Chennai to get his suggestions on 5-year integrated MTech(CSE) curriculum on 10th Jan 2024.



Ford

Dr. T. T. Mirnalinee and Dr. R. Kanchana interacted with the team of Ford Mr. Nambivengadam, S Mr. Venky, Ms. Anita on 27th Mar, 2024 to Explore extension of Collaboration beyond Cyber Security to areas like Software Engineering through curriculum development and talks.



DBT

Dr. T.T. Mirnalinee and Dr. R. Kanchana interacted with Dr. Mohammed Aslam, Advisor DBT, GoI regarding potential project proposals on 18th Mar 2024. The meeting was organized by SSN iFound.



GeeplexTech Solutions Pvt Ltd, Singapore

On 29th Feb 2024, a team from GeeplexTech Solutions Pvt Ltd, Singapore viz Mr. Sirraj, Mr. Hilal and Mr. Zufahar visited the department and Dr. T.T. Mirnalinee presented the research highlights of the department. Dr. Angel Deborah and Dr. K. R. Sarathchandran along with the students demonstrated AR/VR based projects. Dr. R. Kanchana organized the meeting.

Mr. Sirraj, and Mr. Zufahar Geeplex Tech Solutions Pvt Ltd. Singapore visited the department on 22nd Apr 2024. Dr. T.T. Mirnalinee and Dr. R. Kanchana had a meeting with him and discussed the collaborative avenues.



PUBLICATIONS

Patents

Dr. H. Shahul hamead, AP/CSE, Dr. T. T. Mirnalinee, Prof & Head/CSE, M. Asritha, Alumnus/CSE attended the hearing meeting of the patent titled " AN EFFECTIVE FREQUENCY PROVISIONING METHOD FOR SCALABLE DEVICES IN NB-IOT PLATFORM", Application number: 201741045343 on 18-match-2024. Dr.H.Shahul Hamead presented the content to Mr.Krishnendra Singh, Assistant Controller of Patents.

Journal Publications

1. **Durairaj Thenmozhi, ASP/CSE Martha Karunakar, ASP/English Kayalvizhi Sampath, Research Scholar Shreya Sriram, UG Student Sarah Aymen, UG Student** Print ISSN: .(DOI :Nil), Data Set Creation and Empirical Analysis to Detect Sentiments in Tulu Text, Indian Journal of Natural Sciences, Vol:14, issue:82, Clarivate, DOI:<https://tnsroindia.org.in/journals.html>, ISSN:0976 - 0997
2. **Micheal Berdiananth, UG Student, II Year CSE Samah Syed, UG Student, II Year CSE Shudhesh Velusamy, UG Student, II Year CSE Dr. Angeldeborah S,AP/CSE Dr. Rajalakshmi S, AP/CSE,** Analysis of traditional machine learning approaches on heart attacks prediction, Romanian Journal of Information Technology and Automatic Control, Vol:34, issue:1, Clarivate, IF:0.5, Quartile:Q4, DOI:<https://doi.org/10.33436/v34i1y202403>, ISSN:1841-4303
3. **Dr. R. Priyadharsini ASP/CSE, Dr. A. Beulah AP/CSE, and Srivarsha E Alumna/CSE,** Cell classification in microscopic images for anemia detection, Romanian Journal of Information Technology and Automatic Control, Vol:34, issue:1, Clarivate, IF:0.5, Quartile:Q4, DOI:<https://doi.org/10.33436/v34i1y202401>, ISSN:1220-1758.
4. **Ayesha Riyajuddin Mujawar C. Karthikeyini Durairaj Thenmozhi Sathyakala S Vijayalakshmi Pasupathy K. Dhayalini.** , Comparative Analysis of Deep Learning in Detecting Cognitive Impairment Associated With Alzheimer's Disease, International Journal of Intelligent Systems and Applications in Engineering, Vol:12, issue:20S, Scopus, IF:0.23, Quartile:Q3, DOI:<https://ijisae.org/index.php/IJISAE/article/view/5184>, ISSN:2147-6799
5. **Shimi G, AP/MCA Jerin Mahibha C, ASP/CSE Dr. Thenmozhi D,ASP/CSE,** An Empirical Analysis of Language Detection in Dravidian Languages, Indian Journal of Science and Technology, Vol:17, issue:15, Clarivate, IF:nil, Quartile:nil, DOI:<https://doi.org/10.17485/IJST/v17i15.765>, ISSN:0974-6846.
6. **Angel Deborah S/ AP, Rajalakshmi S / AP, Beulah A /AP, Vignesh Hariharan K / UG Alumni, Santhosh J / UG Alumni, Santhosh S / UG Alumni, Sreehari R/ UG Alumni and Sri Krishna M /UG Alumni** , Smart Wildlife Vehicle Collision Detection System, Indian Journal of Natural Sciences, Vol:15, issue:83, Clarivate, IF:2.742, ISSN:0976 – 0997.(WoS IF:2.742)
7. **Renuka Devi Saravanan 02) Shyamala Loganathan 03) Saraswathi Shunmuganathan Dr. Saraswathi S,ASP/CSE,** published a book/chapter titled "Emerging Trends in Cloud Computing Analytics, Scalability, and Service Models" in "IGI Global", Vol:-, Pages:84-104.
8. **R. Priyadharsini, A. Anirudh and A. Karthik Raja,** "O-SE-R: An OCR Tool for UML Class Diagrams", Indian Journal of Natural Sciences, Clarivate, Vol 15 (83), April 2024, PP: 71955-71960, (WoS IF:2.742).

Conference Presentations / Publications

1. The paper titled "Self- Harm Detection from Texts: A Comparative Study Utilizing BERT, Machine Learning, and Deep Learning Approaches", authored by **Dr. S Rajalakshmi (AP/CSE) , Sushmithaa Pandian, Subhankar S, Samyuktaa Sivakumar, Rohan R, UG Students, Dr. Angel Deborah S (AP/CSE)** was presented in the 7 th International Conference on Computational Intelligence in Data Science (ICCIDS-2024) organized by Department of Computer Science and Engineering, Sri Sivasubramaniya Nadar College of Engineering, Chennai, India during February 21-23, 2024.
2. **Sripriya N, Thenmozhi Durairaj, Nandhini K, Bharathi B, Kishore Kumar Ponnusamy, Charmathi Rajkumar, Prasanna Kumar Kumaresan, Rahul Ponnusamy, Subalalitha Chinnaudayar Navaneetha krishnan, and Bharathi Raja Chakravarthi.** 2024. Findings of Shared task on Sarcasm Identification in Code-Mixed Dravidian Languages. In Proceedings of the 15th Annual Meeting of the Forum for Information Retrieval Evaluation (FIRE '23). Association for Computing Machinery, New York, NY, USA, 22–24. <https://doi.org/10.1145/3632754.3633077>
3. **Jansi Rani Sella Veluswami, ASP/CSE, Ananth Narayanan P, Bhuvan S, Shobith Kumar R,** "ConvLSTM for Table Tennis Stroke Classification", MediEval 2023, CUER Workshop Proceedings.
4. **Dr. R. Priyadharsini ASP/CSE, Arvind. V, Harish. J, P. VettriChezhian and Mohanapriya E.,** presented a paper titled “NewsImages Fusion: Bridging Textual Context and Visual Content in Media Representation” in the task “NewsImages” in MediaEval 2023 on 2nd February 2024.
5. **Ms. Ashmi G V, Research Scholar and Dr. R. Priyadharsini, AP/CSE,** presented a paper titled “The Modern Approaches for Identifying Foreign Object Debris (FOD) in Aviation” in 2nd International Conference on Integrated Circuits and Communication Systems (ICICACS 2024) organized by Department of ECE, Sir M Visvesvaraya College of Engineering, Raichur on 24th February 2024.
6. **Pooja Premnath, Venkatasai Ojus Yenumulapalli, Rajalakshmi Sivanaiah, AP/CSE Angel Deborah Suseelan, AP/CSE** published a paper titled “Optimizing Visual Pairings: A CLIP Framework for Precision News Image Rematching”, In proceeding of MediaEval’23: 14th Annual Multimedia Evaluation Workshop, conducted as a part of 30th International Conference on Multimedia Modeling (MMM 2024) on February 1–2, 2024, Amsterdam, The Netherlands, CEUR Workshop Proceedings (CEUR-WS.org).
7. **Rajeswari J AP/CSE,** Presented a paper entitled CASSAVA PLANT DISEASE CLASSIFICATION USING AN EFFICIENTNETB7 NETWORK in the 14th International conference and Informatics (ICCCI)held from 29th to 31st January 2024. sponsored by IEEE Madras Section.
8. **Rajeswari J AP/CSE,** presented a paper entitled "An Ensemble of Deep Transfer Learning Frameworks for Automatic Tuberculosis Detection in Chest X-Ray Images " 7th International Conference on Computational Intelligence in Data Science (ICCIDS-2024) organized by the Department of Computer Science and Engineering, Sri Sivasubramaniya Nadar College of Engineering, Chennai, India held during February 21-23, 2024,sponsored by Springer.

9. **Mirunalini¹, V.Sanjhay , S Rohitram and M.Rohith,** presented a titled “MUSTI - Multimodal Understanding of Smells in Texts and Images Using CLIP “,in the MediaEval 2023 Workshop, Amsterdam, The Netherlands in Online, 1-2 February 2024.
10. **Bharathi Raja Chakravarthi, Bharathi B, Paul Buitelaar, Thenmozhi Durairaj, György Kovács, and Miguel Ángel García Cumbresas.** 2024. Proceedings of the Fourth Workshop on Language Technology for Equality, Diversity, Inclusion. Association for Computational Linguistics, St. Julian's, Malta, edition.URL: <https://aclanthology.org/2024.ltedi-1.0> (Available online: 21-03-2024)
11. **Bharathi B, Bharathi Raja Chakravarthi, Sripriya N, Rajeswari Natarajan, and Suhasini S.** 2024. Overview of the Third Shared Task on Speech Recognition for Vulnerable Individuals in Tamil. In Proceedings of the Fourth Workshop on Language Technology for Equality, Diversity, Inclusion, pages 133–138, St. Julian's, Malta. Association for Computational Linguistics.URL: <https://aclanthology.org/2024.ltedi-1.12> (Available online: 21-03-2024)
12. **A Reddy, Ann Thomas, Pranav Moorthi, and Bharathi B.** 2024. SSN-Nova@LT-EDI 2024: Leveraging Vectorisation Techniques in an Ensemble Approach for Stress Identification in Low-Resource Languages. In Proceedings of the Fourth Workshop on Language Technology for Equality, Diversity, Inclusion, pages 216–220, St. Julian's, Malta. Association for Computational Linguistics.URL: <https://aclanthology.org/2024.ltedi-1.26> (Available online: 21-03-2024)
13. **A Reddy, Ann Thomas, Pranav Moorthi, and Bharathi B.** 2024. SSN-Nova@LT-EDI 2024: POS Tagging, Boosting Techniques and Voting Classifiers for Caste And Migration Hate Speech Detection. In Proceedings of the Fourth Workshop on Language Technology for Equality, Diversity, Inclusion, pages 233–237, St. Julian's, Malta. Association for Computational Linguistics. URL: <https://aclanthology.org/2024.ltedi-1.29> (Available online: 21-03-2024)
14. **Abirami. J, Aruna Devi. S, Dharunika Sasikumar, and Bharathi B.** 2024. DRAVIDIAN LANGUAGE@ LT-EDI 2024:Pretrained Transformer based Automatic Speech Recognition system for Elderly People. In Proceedings of the Fourth Workshop on Language Technology for Equality, Diversity, Inclusion, pages 244–248, St. Julian's, Malta. Association for Computational Linguistics. URL: <https://aclanthology.org/2024.ltedi-1.31> (Available online: 21-03-2024)
15. **Saisandeep Sangeetham, Shreyamanisha Vinay, Kavin Rajan G, Abishna A, and Bharathi B.** 2024. Algorithm Alliance@LT-EDI-2024: Caste and Migration Hate Speech Detection. In Proceedings of the Fourth Workshop on Language Technology for Equality, Diversity, Inclusion, pages 254–258, St. Julian's, Malta. Association for Computational Linguistics. URL: <https://aclanthology.org/2024.ltedi-1.33> (Available online: 21-03-2024)
16. **Suhasini S and Bharathi B.** 2024. ASR TAMIL SSN@ LT-EDI-2024: Automatic Speech Recognition system for Elderly People. In Proceedings of the Fourth Workshop on Language Technology for Equality, Diversity, Inclusion, pages 294–298, St. Julian's, Malta. Association for Computational Linguistics. URL: <https://aclanthology.org/2024.ltedi-1.40> (Available online: 21-03-2024)
17. **Premjith B, Jyothish G, Sowmya V, Bharathi Raja Chakravarthi, K Nandhini, Rajeswari Natarajan, Abirami Murugappan, Bharathi B, Saranya Rajiakodi, Rahul Ponnusamy, Jayanth Mohan, and Mekapati Reddy.** 2024. Findings of the Shared Task on Multimodal Social Media Data Analysis in Dravidian Languages (MSMDA-DL)@DravidianLangTech 2024. In Proceedings of the Fourth Workshop on Speech,

Vision, and Language Technologies for Dravidian Languages, pages 56–61, St. Julian's, Malta. Association for Computational Linguistics. URL: <https://aclanthology.org/2024.dravidianlangtech-1.9> (Available online: 22-03-2024)

18. **Anierudh S, Abhishek R, Ashwin Sundar, Amrit Krishnan, and Bharathi B.** 2024. Wit Hub@DravidianLangTech-2024:Multimodal Social Media Data Analysis in Dravidian Languages using Machine Learning Models. In Proceedings of the Fourth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages, pages 229–233, St. Julian's, Malta. Association for Computational Linguistics. URL: <https://aclanthology.org/2024.dravidianlangtech-1.38> (Available online: 22-03-2024).
19. **Abbhinav Elliah, Mirunalini P, Keerthick V, Haricharan Bharathi, Anirudh Bhaskar, Vithula S,** presented a paper titled "Connecting Text and Images in News Articles using VSE++", through online in the MediaEval 2023 Workshop, Amsterdam, The Netherlands , 1-2 February 2024.
20. **Dhanya Srinivasan, Subhashree M, Mirunalini P, Jaisakthi S M,** Presented a paper titled "Multimodal Learning for Image-Text Matching: A Blip-Based Approach", in the MediaEval 2023 Workshop (online), Amsterdam, The Netherlands, 1-2 February 2024.
21. **Advait Nila Narayanan, Shyam Sundar Das, TT Mirnalinee,** presented a paper "Prediction of DILI in Humans: Investigating Opportunities in DIList Data, Chemical Features, Machine Learning and Rule-Based Methods", in the IEEE International Conference on Bioinformatics and Biomedicine (BIBM),
22. **Advait Nila Narayanan, Shyam Sundar Das, TT Mirnalinee,** "Evaluation of AutoML Frameworks for Computational ADMET Screening in Drug Discovery & Development", 2023 IEEE International Conference on Bioinformatics and Biomedicine (BIBM), 4929-4931, Dec 23.
23. **Dr. Thenmozhi D,** published the following paper. **Shaun, H., Samyuktaa Sivakumar, R. Rohan, Nikilesh Jayaguptha, and Durairaj Thenmozhi.** "Quartet@ LT-EDI 2024: Support Vector Machine Based Approach For Homophobia/Transphobia Detection In Social Media Comments." In Proceedings of the Fourth Workshop on Language Technology for Equality, Diversity, Inclusion, pp. 227-232. Apr 2024.
24. **Dr. Thenmozhi D,** published the following paper **Shaun, H., Samyuktaa Sivakumar, R. Rohan, Nikilesh Jayaguptha, and Durairaj Thenmozhi.** "Quartet@ LT-EDI 2024: A SVM-ResNet50 Approach For Multitask Meme Classification-Unraveling Misogynistic and Trolls in Online Memes." In Proceedings of the Fourth Workshop on Language Technology for Equality, Diversity, Inclusion, pp. 221-226. Apr 2024
25. **Dr. Thenmozhi D** published the following paper **Shaun, H., Samyuktaa Sivakumar, R. Rohan, Nikilesh Jayaguptha, and Durairaj Thenmozhi.** "Quartet@ LT-EDI 2024: A Support Vector Machine Approach For Caste and Migration Hate Speech Detection." In Proceedings of the Fourth Workshop on Language Technology for Equality, Diversity, Inclusion, pp. 211-215. Apr 2024
26. **Dr. Thenmozhi D** published the following paper **Balaji, Shreedevi, Akshatha Anbalagan, T. Priyadharshini, A. Niranjana, and Durairaj Thenmozhi.** "WordWizards@ DravidianLangTech 2024: Sentiment Analysis in Tamil and Tulu using Sentence Embedding." In Proceedings of the Fourth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages, pp. 218-222. Apr 2024

27. Dr. Thenmozhi D published the following paper **Kumar, Lavanya Sambath, Asha Hegde, Bharathi Raja Chakravarthi, Hosahalli Shashirekha, Rajeswari Natarajan, Sajeetha Thavareesan, Ratnasingam Sakuntharaj, Thenmozhi Durairaj, Prasanna Kumar Kumaresan, and Charmathi Rajkumar.** "Overview of Second Shared Task on Sentiment Analysis in Code-mixed Tamil and Tulu." In Proceedings of the Fourth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages, pp. 62-70. Apr 2024
28. Dr. Thenmozhi D published the following paper **Anbalagan, Akshatha, T. Priyadharshini, A. Niranjana, Shreedevi Balaji, and Durairaj Thenmozhi.** "WordWizards@ DravidianLangTech 2024: Fake News Detection in Dravidian Languages using Cross-lingual Sentence Embeddings." In Proceedings of the Fourth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages, pp. 162-166. Apr 2024
29. **S.K.Kanagapriya, Dr. V.Vijeya Kaveri, Dr.S.Saraswathi, Dr. V. Meenakshi,** presented a paper entitled "Revolutionizing Brain Tumor Diagnosis with Enhanced Deep Learning and Transfer Learning Algorithms", in the 2 days Ninth International Conference on Science Technology Engineering and Mathematics (ICONSTEM),IEEE, 4th & 5th April, 2024, Organised by Jeppiaar Engineering College, Chennai.
30. **Rajalakshmi Sivanaiah, Subhankar Suresh, Sushmithaa Pandian, and Angel Deborah Suseelan.** presented a paper titled "Bridging the Language Gap: Transformer-Based BERT for Fake News Detection in Low-Resource Settings". published in In: Chakravarthi, B.R., et al. Speech and Language Technologies for Low-Resource Languages. SPELLL 2023. Communications in Computer and Information Science, vol 2046. pp. 398-411. Springer, Cham. April 2024. https://doi.org/10.1007/978-3-031-58495-4_29.

Invited talk and Session Chair

1. **Dr. Thenmozhi D,ASP/CSE** delivered a talk with hands-on in the topic titled "Explainable AI: Shap for Text" in the 8th edition of TIER 2024 workshop collocated with ICCSP conference organized by the department of IT, SSNCE on 20th March 2024.
2. **Dr. Bharathi B.,ASP/CSE** delivered a guest lecture on "Explainable AI Tool: LIME for Text" in the Eighth Workshop on Text analysis and Information Extraction & Retrieval (TIER 2024) conducted as part of ICCSP 2024 conference to be held in the Department of IT, Sri Sivasubramaniya Nadar College of Engineering on 20th March 2024 from 1.00pm to 2.00pm.
3. **Dr. Lokeswari Y V,ASP/CSE** had delivered a talk on "Applications of ML in Electrical Engineering" on 20-March-2024 in a Five Days FDP on Artificial Intelligence, Machine Learning, Renewable Energy Sources- an integrated Approach organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology during 18-March-2024 to 22-March-2024.

4. **Dr. Thenmozhi D,ASP/CSE** served as a session chair in the IFIP approved 8th International Conference on Computer, Communication, and Signal Processing (ICCCSP 2024) on 21st March 2024
5. **Dr. Bharathi B.,ASP/CSE** served as session chair for 10th International conference ICBSII 2024, at Department of Bio Medical Engineering, Sri Sivasubramaniya Nadar College of Engineering on 21st March 2024.
6. **Dr. Mirnalinee T T,Prof/CSE** served as a session chair in the IFIP approved 8th International Conference on Computer, Communication, and Signal Processing (ICCCSP 2024) on 21st March 2024.
7. **Dr. Rajeswari J,AP/CSE**,has participated as Session Chair in the 10th International Conference on Communication and Signal Processing - ICCSP 2024 held on 12th & 13th April 2024 sponsored by IEEE madras Section.

SCHOLAR INFORMATIONS

1. **Dr. R. Priyadharsini, ASP/CSE** conducted the first DC meeting for her part-time research scholar, Ms. Devilakshmi on 24th January, 2024 in Online mode.
2. **Dr. Bharathi B., ASP/CSE** conducted the first DC meeting for her full time research scholar Ms. K. Sreeja on 16-02-2024.
3. **Mrs. Monisha M, Research Scholar of Dr. V.S. Felix Enigo, ASP/CSE** Successfully submitted her Thesis titled "Transliteration of Tamizhi Inscriptions to Modern South Indian Languages using Neural Networks" for Scrutiny to Anna University on 21.03.2024.
4. **Mr. Kapilan K. A. G, Research Scholar of Dr. A. Chamundeswari Prof./CSE** Successfully submitted her Thesis for Scrutiny to Anna University on 12.03.2024.
5. **Dr. J. Suresh**, conducted the synopsis approval meeting for this parti-time research scholar, Ms. R. Dolly Jinu on 25.04.2024.
6. **Dr. Suresh J.**, convened Oral Presentation (Viva-Voce) for his part-time research scholar, Ms. S. Lakshmi Priya on 03.04.2024.
7. **Dr. Suresh J.**, convened a Oral Presentation (Viva-Voce) for his full time research scholar, Ms. R. kiruthigha on 08.04.2024.

Ph. D Defense

I am delighted to have completed the defense of my Ph.D. thesis, “Hyperparameter Tuning using Adaptive Bayesian Contextual Hyperband for Time-series Forecasting” on April 03, 2024. Like everyone else, it was a long journey for me with many life ups and downs. Guided by the unwavering support of my supervisor, cherished family, and dear



friends, I have traversed through the challenges and reached this milestone. The learning experiences I gained during these years have instilled in me a profound sense of gratitude and the motivation to strive for more. I thank my supervisor, Dr. Suresh Jaganathan, for supporting me throughout the process and guiding me every step of this journey.

I look forward to the new chapters in life and hope to use my knowledge and experience to contribute to society as much as possible.

Ms. S. Lakshmi Priya, AP/ CSE

Ms. J. Rajeswari

successfully defended her thesis titled "Detection of Tuberculosis Using Gradient-Driven Textures and Secure QR Pattern Generation for Chest X-ray Images" during the viva-voce examination held on March 25, 2024, 11:30 AM at the Central



Library of Adhiparasakthi Engineering College, Melmaruvathur under the supervision of Dr. S. Jayashri, and Dr. J. Raja as joint supervisor.

EXTERNAL PROJECT SANCTIONED

The project titled "Convergence and Integration of Programmes and Leveraging Technology for enabling Healthcare Teams for Delivery of Equitable, High-Quality Primary Healthcare Services through Health & Wellness Centres (CONVERTECH-HWCs) in Jagatsinghpur, Odisha" submitted to Indian Council of Medical Research (ICMR) by the consortium with Investigators, Dr. Alpana Misra (PI) Kalinga Institute of Medical Sciences and KIIT University, Bhubaneswar, Dr. Manoj K Das (Co-PI) The INCLEN Trust International, New Delhi, Prof. S. Selvakumar, (Co-PI) Indian Institute of Information Technology, Una and Dr. R. Kanchana (Co-PI), Sri Sivasubramaniya Nadar College of Engineering, Chennai, got approved by ICMR for 3 years and the funds for the first year Rs. 1,24,34,404/- has been sanctioned.

FUNDED PROJECTS APPLIED

- Project Title : Automatic Answer Grading of Handwritten Scripts using Semantic Segmentation and Deep Learning **PI : Dr. Sripriya N. Co-PIs: Dr.C.Aravindan, Dr.P.Mirunalini, ASP/CSE Mr.B.Senthilkumar** Total Budget : 24.79, Funding Agency :SERB-SURE
- Project Title: AI based Personalized Rehabilitation for Person with Multiple Disabilities, **PI: Dr. T. T. Mirnalinee, Professor and Head/CSE, Co-PI:Dr.R. Amutha, Professor/ECE and Dr. Angeldeborah S, AP/CSE,** Total Budget(INR): 19,94,284, Funding Agency: DST-SERB POWER
- A collaborative project on “Unnath Aarogya: Digital Delivery of Enhanced NCD services. Implementation research to deliver high-quality NCD healthcare services through Public health care systems via digital solutions and program integration leveraging the technology in Una district, Himachal Pradesh” was submitted to ICMR, New Delhi by a consortium consisting of **Dr. Alpana Mishra, KIMS, Odisha, Dr. Manoj K Das, The INCLEN Trust International, New Delhi, Dr. S. Selvakumar, NIT, Trichy, and Dr. R. Kanchana, ASP/CSE SSNCE, Chennai and DPHPM team from Odisha** on 25th Sep 2023. The project was shortlisted and Dr. R. Kanchana, ASP/CSE attended the protocol development workshop on 17th and 18th Nov 2023. The budget proposed was 500 lakh.
- A collaborative project on “Multi-State Study on Structural Convergence, Integrating Programmes and Leveraging Technology for Better Enabling Healthcare Teams for Delivery of Equitable, High-Quality Primary Healthcare Services through Health & Wellness Centres” was submitted to ICMR, New Delhi by a consortium consisting of **Dr. S. Selvakumar, NIT, Trichy, Dr. R. Kanchana, ASP/CSE SSNCE, Chennai, Dr. T. T. Mirnalinee, Prof. & Head, SSNCE, Chennai, Dr. Manoj K Das, The INCLEN Trust International, New Delhi, and DPHPM team from Una, HP** on 31st Oct 2023. The budget proposed was 500 lakh.

- Project Title: Intelligent Machine Learning Assisted Autonomous Marine Robot with Dexterous Arm for Aquatic System Inspection and Sample Collections, **PI: Dr. R. Arun, AP/EEE CO_PIs: Dr. S. Sakthivel Murugan ASP/ECE, Dr. Satheesh Kumar Gopal, ASP/Mech, Dr. P. Mirunalini, ASP/CSE**, Total Budget(INR): 91,31,473, Funding Agency: TIH-IoT
- Project Title: Intelligent Autonomous Underwater Drone with Machine Learning Capabilities for Marine Organism Detection and Classification, **PI: Dr. R. Arun, AP/EEE CO_PIs: Dr. S. Sakthivel Murugan ASP/ECE, Dr. Satheesh Kumar Gopal, ASP/Mech, Dr. P. Mirunalini, ASP/CSE**. Total Budget(INR): 93,69,252, Funding Agency: TIH-IoT

PAPERS REVIEWED

- **Dr. Mirunalini P.,ASP/CSE** reviewed a paper for IEEE Access on 31-01-2024
- **Dr. Mirunalini P.,ASP/CSE** acted as a Reviewer in the 7 th International Conference on Computational Intelligence in Data Science (ICCIDS-2024) organized by the Department of Computer Science and Engineering, Sri Sivasubramaniya Nadar College of Engineering, Chennai, India held during February 21-23, 2024.
- **Dr.S.Rajalakshmi** reviewed 2 papers on March 11, 2024 for the 18th International Workshop on Semantic Evaluation (SemEval 2024) conducted as a part of 2024 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2024), Mexico on June 16–21, 2024.
- **Dr. R. Kanchana** reviewed 3 research papers for the Int. Journal on Multimedia Tools and Applications on 17th Mar 2024.
- **Dr.S.Rajalakshmi** reviewed one paper for Intelligent data analysis journal on March 16, 2024.
- **Dr. Angel Deborah S,AP/CSE**, reviewed a paper for ACM Transactions on Asian and Low-Resource Language Information Processing on 19th March 2024.
- **Dr. Angeldeborah S,AP/CSE** reviewed a paper for Multimedia Tools and Applications, Springer on 20th March 2024.
- **Dr. Beulah A.,AP/CSE** reviewed a paper for Case Reports in Medicine on 25 March, 2024.
- **Dr.S.Rajalakshmi, AP/CSE** reviewed on paper for Journal of Ambient Intelligence and Smart Environment on April 7, 2024.

EVENTS ORGANIZED

Dr. Chitra Babu, Prof./CSE, Dr. B. Bharathi, ASP/CSE Dr. D. Thenmozhi, ASP/CSE and Dr. J. Bhuvana, ASP/CSE organized a Six days faculty development program on Advanced AI: Tools and Algorithms during 29 January 2023 and 3 February 2024.

Dr. R. Kanchana, ASP/CSE organized a value added course on “Mobile APP Development using Flutter” for 5-year integrated MTech(CSE) first year students during 5th Feb- 27th Feb 2024 in online mode. The resource person was Mr. Pankaj Sharma, IIIT Una, Himachal

Dr. R. Kanchana and Dr. S. Angel Deborah organized a guest lecture by Mr. Samuel Tensingh, Associate Lecturer, University of Sydney, Australia on the topic "Security in the IoT world" on 13th March 2024. The audience were BE(CSE) III year and ME(CSE) I year students.

On 6th Mar 2024, **Dr. R. Kanchana, Dr. B. Prabavathy and Dr. V. S. Felix Enigo** organized a guest lecture by Prof. Mieczysław Lech Owoc, Emeritus professor of Business Informatics, Wroclaw University of Economics and Business on the topic Impact of Fakes on Sustainable Development Actions. Trusted Knowledge as Counteraction. The audience were BE(CSE) II year and III year students.

On 20th Mar 2024, **Dr. R. Kanchana and Dr. S. Angel Deborah** organized a guest lecture on “Exploring Career Paths and Motivation to Success” by Ms. Annie Juliet, Assistant Vice President at Bank of America. The audience were BE(CSE) II year and III year and ME(CSE) I year students.

Dr. T. T. Mirnalinee, Dr. K. R. Sarath Chandran, Dr. B. Bharathi organized an expert talk titled "Impact of Artificial Intelligence and Machine Learning in Business" for 3rd year CSE students by Dr. R. Narayanan, Principal Scientist, TCS Research and Innovation on 14th February 2024.

Dr. R. Kanchana and Dr. P. Mirunalini organized a talk by Mr. V. Sasikumar, Staff Software Engineer, Walmart, Bengaluru from 20th-26th Mar 2024 for 10 hours online. The topic was NoSQL databases under the industry participation in curriculum. The curricular courses were Advanced Databases for ME(CSE) II sem and Database Management Systems for BE(CSE) IV semester students.

Dr. R. Kanchana and Dr. Dhannya S M,AP/CSE organized a guest lecture titled "An Introduction to Research Practices in Computer Science" delivered by Mr. Rajesh Pandian. M, PhD Research Scholar at IIT Madras on 03 Apr 2024, as part of Placement and Training hours for the II year students.

Dr.T.T.Mirnalinee Professor& Head/CSE and Dr. Angeldeborah S,AP/CSE along with Career Development Cell organized a talk titled "Coding to Tech Job - Unfolding the Roadmap" by our Alumna(Batch 2017-2021), Ms. Nandhini Raja, Member of Technical Staff(SDE), Sales Force , on 9th April 2024 (10.15am - 11.45am) at Central Seminar Hall.

Dr.Chitra Babu, Professor/CSE and Dr. Angeldeborah S,AP/CSE organized a workshop on "Large Language Model" during 15-17th April 2024.

Dr. S. Rajalakshmi, Dr. Beulah A., and Dr. S. Angel Deborah, organized an event titled "ENCENDER- A project expo" on 22, MARCH 2024.



Dr. R. Kanchana, ASP/CSE and Dr. Angeldeborah S,AP/CSE organized a talk titled "How to be a Successful Entrepreneur?" by Mr. John Patrick Philip, Co-Founder & President at COREZI, Chennai on 3rd April 2024(01.00-02.30 pm).



FDP on Advanced AI: Tools and Algorithms (AATA-2024)

Six days Faculty Development Programme on Advanced AI: Tools and Algorithms (AATA-2024) was conducted in the Department of CSE, SSN College of Engineering, during 29 January - 03 February, 2024. Dr. Chitra Babu, Dr. B. Bharathi, Dr. D. Thenmozhi and Dr. J. Bhuvana coordinated this FDP. The covered advanced AI topics such as Large Language Models, Generative AI and Explainable AI in the domain of image, text, speech and multi-modal data. Hands-on sessions were conducted for all the topics in the FDP. 23 faculty members from several academic institutes attended the FDP.



Seventeen speakers from various academic institutions and industries delivered talks in the FDP. Every day 3 sessions were conducted. Dr. Masilamani, Professor & Head, Department of CSE, IIITD&M handled a session on Generative AI on Images. Dr. Gokul S Krishnan, Research Scientist Centre for Responsible AI, IIT Madras delivered a talk on Generative AI and Responsible AI. Dr. Vineeth N Balasubramanian, Associate Professor, Department of CSE Indian Institute of Technology, Hyderabad (IIT-H) gave a talk on Explainable AI with use cases.

Dr. Mayuri Mehta, Professor, Department of CE, Sarvajanic College of Engg. & Technology, Surat delivered a speech on Interpretable AI with several use cases in the domain of healthcare. Dr. Lipika Dey, Principal Scientist TCS Research and Innovation Labs provided an industry perspective of Generative Language Models. Dr. Hemalatha, Associate Professor, Department of IT, MIT, Anna University, Chennai gave a Hands-on session in the topic Generative AI on Images.



Dr. Anand Kumar M, Associate Professor, Department of Information Technology, NIT K – Surathkal delivered a talk on Explainable AI for NLP. Generative AI: A Threat and Break to Biometric Security was delivered by Dr. Rahul Raman, Assistant Professor, Department of CSE, IIITD&M. Hands on session for Customizing AI for Your Applications with OpenAI was given by Mr. Arunesh Kumar, Software Engineer, Stayflexi Inc (YC W'21).

Dr. T. V. Geetha, Distinguished visiting faculty of Sri Sivasubramaniya Nadar College of Engineering delivered a talk on Generative AI. Customize LLM was delivered by Mr. Kamal Raj, Research Scientist, Saama technologies Chennai. A talk on Human-Like Speech Synthesis Using Generative Models was given by Dr. G. Anushiya Rachel, Assistant Professor, Department of CSE, Shiv Nadar University, Chennai.

Dr. R. Ponnusami, Professor, Department of Computer Science, Chennai Institute of Technology gave a talk on Generative AI on Text. Mr. Prasanna K Ram, Founder - CEO-BizMagnets.ai, Chennai delivered a talk on LLM - ChatGPT - Prompt Engineering. Biases and harms in NLP was delivered by Mr. B. Senthil Kumar Assistant Professor, Department of IT, Sri Sivasubramaniya Nadar College of Engineering.

Dr. C. N. Subalalitha Associate Professor, Department of Computing Technologies, SRM IST delivered a speech on How academia can leverage LLMs? Dr. D. Thenmozhi and Dr. N. Sripriya of Sri Sivasubramaniya Nadar College of Engineering gave a Hands-on session on Generative AI using GPT models.



National Level Technical Symposium on Cyber Security

National Level Technical Symposium on Cyber Security - An Insight and Practical Approach on 26 & 27 March 2024 organized by **Dr. Suresh Jaganathan, Dr. P. Mirnalini, Dr. R. Priyadharshini, Dr. V. Balasubramanian, Dr. A. Beulah**. Hackers are becoming a threat as they destabilize by targeting industries, resulting in more cyber-attacks. As the world moves to implement Industry 4.0, cybersecurity will become the top priority for a successful transformational journey. A cyber security professional must safeguard the organization from attacks and do it most safely. Enlightening students helps to protect themselves and society from all the cyber-attacks emerging in this digital world. This symposium aims to give insight into cybersecurity through a practical approach, which includes topics like Introduction to Cyber Security Concepts, Threats, and Vulnerabilities. Hands-on sessions on both days help the students get introduced and learn about Kali Linux, Nmap, Penetration Testing, and Metasploit Framework.

The symposium was inaugurated by Dr. T. T. Mirnalinee, Professor and Head, Department of Computer Science and Engineering; welcome address by Dr. A. Beulah; Dr. P. Mirnalini introduced the speaker, Mr. M. Ezhilarasan, Technical Lead – API Security Testing, Wipro Technologies and EC-Council Certified Trainer, Dr. Suresh Jaganathan gave the glimpse of two days sessions.

In day 1 sessions, Mr. M. Ezhilarasan introduced cyber security concepts, importance, how hackers attack, and ways to prevent it. He then started hands-on work on Nmap, Kali Linux and Metaspolitable2. On day 2, Mr. M. Ezhilarasan gave hands-on instructions on hacking a vulnerable Windows PC and penetration testing using Kali, Metasploitable2, and Windows 7 PCs. In the last session, assignment problems were given to the participants and evaluated. The symposium was concluded with participant feedback and a thanksgiving note by Dr. Suresh Jaganathan.



Dr. Suresh Jaganathan, ASP/CSE

International Conference on Computational Intelligence in Data Science

The Department of Computer Science and Engineering, Sri Sivasubramaniya Nadar College of Engineering conducted 7th International Conference on Computational Intelligence in Data Science (ICCIDS) on February 21 - 23, 2024. The theme of the conference was **AI based Knowledge Discovery and Management:**

It features expert talks from renowned institutions and organizations and paper presentations by young researchers across the globe.

Conference Chairs:

- Dr. R. Kanchana
- Dr. B. Prabavathy
- Dr. V.S. Felix Enigo

Organizers

- Dr. J. Suresh
- Mr. S. Raghavendra Kumar Sakali
- Dr. J. Rajeswari

The program commenced with an inauguration ceremony. The Principal, Chief Guest, HoD, and Conference Chairs inaugurated the event by lighting the lamp and unveiled the souvenir of ICCIDS 2024. Following the inauguration, the forenoon session commenced with keynote talks and paper presentations.



Keynote Talks (21-02-2024 to 23-02-2024)

Keynote talk- 1 - 21.02.2024, 10.30 am to 11.30 am

Topic: Localization and Clustering in Wireless Sensor Networks

Speaker: Prof. Saroja P Kanchi, Kettering University, Flint, MI, USA

Abstract of Keynote Talk 1: Localization and Clustering in Wireless Sensor Networks

Wireless Sensor Networks (WSNs) are crucial for tasks like environmental monitoring and disaster recovery, but they face limitations in storage, computing, and battery life. Localization of sensors post-deployment is vital for mission success, and energy-efficient clustering algorithms are key to maximizing network lifespan. This talk will cover distributed, graph-theoretic, and geometric algorithms for sensor localization, as well as methods for creating balanced, energy-efficient clusters.

Additionally, it will delve into the latest machine learning research applied to WSN localization and clustering.

Keynote talk- 2 (online) - 21.02.2024, 11.30 am to 12.30 am

Topic: Impact of Fakes on Sustainable Development Actions - Trusted Knowledge as Counteraction
Speaker: Prof. Mieczyslaw Lech Owoc, Wroclaw University of Economics & Business, Wroclaw, Poland

Abstract of Keynote Talk 2: Impact of Fakes on Sustainable Development Actions. In the age of fast information dissemination, distinguishing between trustworthy knowledge and information disorder—misinformation, disinformation, and malinformation—is vital for sustainable development. To counteract fake news, it's essential to use reliable sources, consult objective experts, and apply classic knowledge validation criteria. These practices form a guide for entities to navigate and mitigate the risks of information disorder, supporting sustainable progress across society, economy, and environment.

Keynote talk- 3 - 22.02.2024, 8.30 am to 9.45 am

Topic: Self-Supervised Learning: An Efficient Technique to Process Unlabeled Image Data
Speaker: Prof. Mayuri Mehta from Sarvajanic College of Engineering & Technology, Surat, India

Abstract of Keynote Talk 3: Self-Supervised Learning: An Efficient Technique to Process Unlabeled Image Data. Self-supervised learning (SSL) is pivotal for handling unlabeled data in computer vision, mitigating manual labeling requirements and bias risks. By autonomously generating data labels from unstructured data, SSL enhances the utility of extensive unlabeled datasets. Through proxy tasks, SSL effectively extracts meaningful visual representations, bolstering applications like image classification and object detection, thus offering a promising trajectory for advancing computer vision methodologies.

Hands-on Session - 22.02.2024, 10.00 am to 11.45 am

Topic: AI and XAI-based Use Cases in Healthcare using Python
Speaker: Prof. Mayuri Mehta from Sarvajanic College of Engineering & Technology, Surat, India

This practical workshop explored the burgeoning field of AI in healthcare, leveraging Python to analyze heterogeneous data and derive actionable insights.

Keynote talk 4 - 22.02.2024, 11.45 am to 12.45 pm

Topic: Gen-AI and the Next Wave of Democratization of IT
Speaker: Mr. Kausikram Krishnasayee, Senior Director, Product Management, Kissflow, Chennai
Abstract of Keynote Talk 4: Gen-AI and the Next Wave of Democratization of IT

Gen-AI represents the next wave in democratizing IT, where artificial intelligence becomes accessible to all. This movement aims to empower individuals and organizations by making AI tools and capabilities widely available and user-friendly. Through Gen-AI, the democratization of IT enables broader adoption and integration of AI technologies across various sectors and industries.



Keynote talk 5 - 23.02.2024, 8.30 am to 10.00 am

Topic: Securing Tomorrow: Unveiling the Synergy of Computational Intelligence and Data Science in Network Security

Speaker: Dr. Arun Raj Kumar P, an Associate Professor at NIT Calicut

Abstract of Keynote Talk 5: Unveiling the Synergy of Computational Intelligence and Data Science in Network Security delves into the symbiotic relationship between Computational Intelligence (CI) and Data Science, particularly in the realm of network security. This interdisciplinary fusion harnesses CI algorithms and data-driven methodologies to fortify network defences, enabling proactive threat detection and mitigation. By leveraging advanced analytics and machine learning, this synergistic approach enhances the adaptability and efficacy of security measures, paving the way for robust and resilient network protection against evolving cyber threats.

Keynote Talk 6: 23.02.2024, 1.30 pm to 2.30 pm

Topic: Cloud-Edge Coopetition: A Win-Win Partnership

Speaker Name: Prof. Zakaria Maamar, University of Doha for Science and Technology, Doha, Qatar

Abstract of Keynote Talk 6: Cloud-Edge Coopetition: A Win-Win Partnership, explores the collaboration between cloud and edge computing in the context of IoT data management. It emphasizes the importance of seamless coordination between cloud and edge to optimize data processing and meet business application requirements. Through discussing recipient selection and data transmission order, this research agenda aims to foster a win-win partnership, addressing latency, sensitivity, and freshness concerns in IoT data handling.



Submitted Papers: 341

Accepted Papers: 110 (32%)

Registered: 77 (22.5%)

In track-1, papers relevant to the Applications of AI/ML in NLP were presented and evaluated by two external session chairs and two internal session chairs.

External Session Chairs:

- Prof. Saroja P. Kanchi, Kettering University, Flint, MI, USA
- Dr. Kishore B, Dr. Mahalingam College of Engineering & Technology, Pollachi

In track-2, papers relevant to Applications of AI/ML in Image Processing were presented and evaluated by three external session chairs and four internal session chairs.

External Session Chairs:

- Prof. Mieczyslaw Lech Owoc from Wroclaw University of Economics and Business, Wroclaw, Poland
- Prof. Mayuri Mehta from Sarvajani College of Engineering, Technology, Surat
- Dr. B. Latha from Sairam Engineering College



In track-3, papers relevant to were presented Applications of AI/ML in KDM, Cloud Computing, and Security and evaluated by one external session chair and two internal session chairs.

External Session Chairs:

- Dr. Ayesha from VIT Chennai.

In track-4, papers relevant to Data Analytics were presented and evaluated by four external session chairs and four internal session chairs.

External Session Chairs:

- Dr. Noor Mahammad Sk from IIITDM Kancheepuram
- Prof. Kaja Mohideen from Crescent University
- Dr. Rahul Raman from IIITDM Kancheepuram
- Dr. Arun Raj Kumar P from NIT Calicut

In track-5, papers relevant to Applications of ML were presented in online. This track presentations evaluated by one external session chairs and one internal session chairs.

External Session Chairs:

- Mr. Sriram M , SDE1, Samsung Ecommerce, Chennai.



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Founder and Brand Head: Cilvin J

Evoke Media stands out among event management companies for its wide range of services, experienced team, and impressive clients. Since the start in 2009, they've become known for creating memorable events, from corporate functions to weddings. With over 200 staff, they can handle projects of any size with great attention to detail. They are a team of makers, thinkers, and explorers. Their list of clients includes big names like Coca-Cola and Unilever, showing their ability to deliver top-notch results. Plus, they're recognized for their creativity and have won awards for their work.



As part of the sponsorship towards our International conference ICCIDS 2024, we have received the following from Evoke Media:

1. Amplifier Ahuja ssb 120dp
2. Speaker 2 no scm 30T 100 volts column speaker
3. Portable PA Amplifier with mic Abuja,BTA 550



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JB Soft System started in 2001, Serving to 3600+ clients across 15 countries and 165 cities... Web design and Development, Web Applications, Mobile Application, Web consulting, Digital Marketing are the range of services. Having Office in Chennai, Vellore and Kalasapakkam. 40+ team members are working from Kalasapakkam village since 2019.



ENCENDER- A project expo

Dr. S. Rajalakshmi, AP/CSE, Dr. Beulah A., AP/CSE and Dr. S. Angel Deborah AP/CSE, organized an event titled "ENCENDER- A project expo" on 22, March 2024. 12 batches comprising of 41 students demonstrated their projects at this expo. Among them 32 students were from CSE, 3 students from IT, 2 students from Mech, 1 student from EEE and 2 students from ECE. Mr. R. Seshan, Lead Engineer-Qualcomm, (BE/CSE Alumnus, Batch: 2011-2015) along with Dr. Sarath Chandran AP/CSE evaluated the projects. The best 3 projects were awarded cash prizes, and certificates were distributed to all participants.



Vignesh Balaji S (IV Year/CSE) and Thejas N (IV Year/CSE) presented and demonstrated the project titled "Activity Management System" mentored by Dr. A. Beulah (AP/CSE) and Dr. R. Priyadharsini (AP/CSE) has won the FIRST prize with a cash award of Rs 5000/. Charumathi P (III Year/CSE),

Aathish Sivasubrahmanian (III Year/CSE), Alamelu Kannan (III Year/CSE) and Bhavana Anand (III Year/CSE) presented and demonstrated the project titled "Equigo" and won the SECOND prize with a cash award of Rs 3000/. Pranav Moorthi (II Year/CSE), Aswath Karthik (II Year/IT), B Saathvik (II Year/CSE), Janeshvar Sivakumar (II Year/CSE), Dunya Syed Hassan (II Year/IT), and Ganesh B (II Year/Mechanical) presented and demonstrated the project titled "AI-ML-based intelligent de-smoking/de-hazing algorithm" has won the THIRD prize with a cash award of Rs 2000/.



Industry Participation in Curriculum (IPIC)



A week-long online lecture series focused on NoSQL databases organized by Dr. R. Kanchana, Dr. P. Mirunalini and Dr. N. Sujaudeen of Department of CSE from 20th - 26th March 2024. The lectures, conducted by Sasikumar, Senior Software Engineer from Walmart, Bengaluru, and Alumni of M.E. CSE, 2016 batch aimed to equip participants with a comprehensive understanding of NoSQL databases and their practical applications.

Day 1 of the lecture series offered a comprehensive introduction to NoSQL databases, with a spotlight on Redis. Participants gained insights into the advantages of NoSQL, including schema flexibility and horizontal scalability, essential for modern software applications. Students were informed about CAP theorem's significance, navigating the trade-offs between consistency, availability, and partition tolerance. The session delved into Redis, emphasizing its lightning-fast performance and cache memory management system, showcasing its efficiency gains in handling large volumes of unstructured data.

The sessions on Day 2 and Day 3 of the lecture series focused on MongoDB, emphasizing its document based architecture, flexibility in handling semi-structured and unstructured data, and integration with web development. Participants engaged in hands-on demonstrations using Docker, gaining practical experience in deploying MongoDB instances and performing CRUD operations. Sasikumar guided participants through advanced MongoDB operations and introduced Redis as a caching intermediary to optimize query performance. Students observed the efficiency gains achieved through Redis caching and learned best practices for integrating Redis with MongoDB.

Day 4 of the lecture series focused on graph NoSQL databases, specifically Neo4j, highlighting their unique data model based on nodes, relationships, and properties. Students understood the significance of graph databases in efficiently modeling and querying complex relationships between data entities, addressing limitations of traditional relational databases. Through hands-on activities with Neo4j, participants learned to set up and configure graph databases, and draw logical conclusions from interconnected data sets. Sasikumar's guidance empowered participants to appreciate the capabilities of graph databases in addressing complex data challenges.

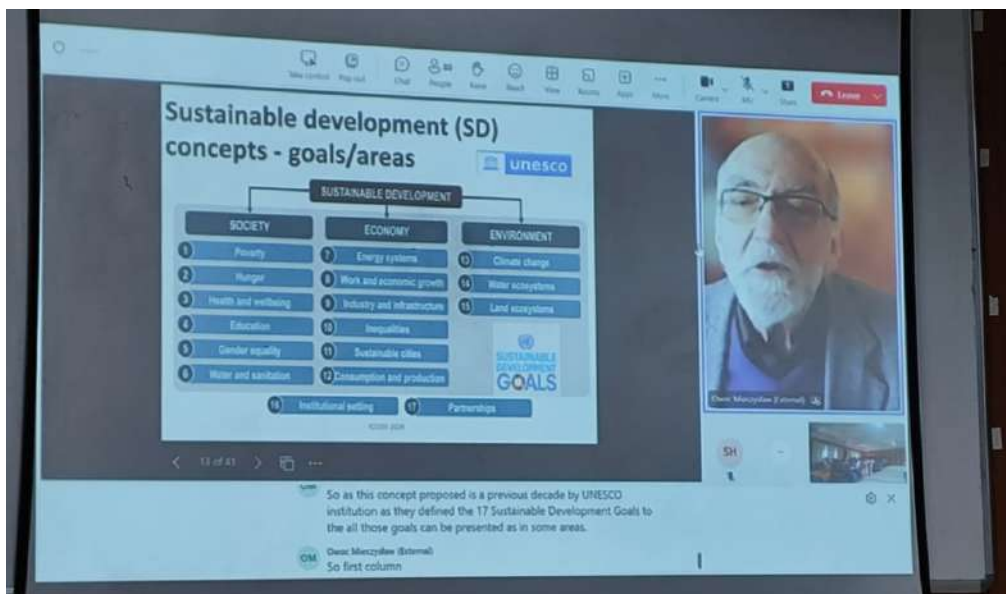
The final day marked the final exploration of NoSQL databases, focusing on Cassandra as a tabular NoSQL database. Mr. Sasikumar introduced Cassandra, emphasizing its high availability, scalability, and fault tolerance, making it suitable for distributed clusters handling large data volumes. Students engaged in hands-on activities to perform basic operations in Cassandra using CQL, highlighting its similarities to SQL and ease of adoption. They gained proficiency in working with Cassandra on various test cases, understanding real-world strategies for leveraging it in production environments. He facilitated a comparison between Cassandra and traditional SQL databases, enabling learners to appreciate Cassandra's strengths for specific use cases.

In conclusion, the lecture series facilitated by Sasikumar proved to be highly beneficial, equipping participants with valuable insights and practical skills in NoSQL database management. The industry perspective provided by Mr. Sasikumar, enhanced the overall learning experience and prepared participants to effectively leverage NoSQL databases in their professional endeavors

The impact of Fakes on Sustainable Development Actions - Trusted Knowledge as Counteraction

A Guest Lecture on “The impact of Fakes on Sustainable Development Actions - Trusted Knowledge as Counteraction” was delivered by Prof. Mieczysław Lech Owoc on 6th March 2024 for second and

third years in the CSE Seminar Hall, organized by Dr. R. Kanchana, Dr. B. Prabavathy and Dr. V.S. Felix Enigo.



Mieczyslaw L. OWOC is an emeritus professor of Business Informatics at Wroclaw University of Economics and Business, and former Director of Business Informatics Institute. With over 40 years of teaching experience and research in databases and intelligent systems, he has authored over 170 publications, mostly oriented on artificial intelligence methods and knowledge management topics. He was a supervisor of over 3 PhD theses and 300 bachelor and master diplomas. He is a member of many programming committees and a prominent reviewer of international conferences and journals.

The agenda of the session was to throw some light about modern communication means for creating opportunities to deliver information very fast to an unlimited audience and its consequences. Proper interpretation combined with a discussion about the key entities in the information process, and analyzing the impact of fake news on various actions in many sectors were the focus of the talk.

Professor Owoc started the session discussing the contextual definition of various information available in social medias; mis-, dis-, and mal-information, supported by studies conducted by Claire Wardle. Then the Sustainable development concepts were discussed in details, citing more examples

and overview on works done by P.M. Vasist, S. Krishnan in various domains such as Climate changes, Healthcare. The importance of trusted knowledge (information or insights that are considered reliable, credible, and dependable) was stressed out by the speaker. Various solutions and tools used to identify these resources were then explained in detail by the speaker.

The session concluded with an active Q&A session with the attendees where interactive responses and stimulating ideologies were exchanged. The organizers then presented the vote of thanks to the speaker.

Dr. R. Kanchana /Asso. Prof

EXPERT TALK ON THE IMPACT OF AI & ML IN BUSINESS

On 14th February 2024, Dr. Narayanan, Principal Scientist in TCS Research and Innovation gave an impactful and informative talk on the “Impact of Artificial Intelligence and Machine Learning in Business”. His talk focused on the usage of AI and ML in diverse domains ranging from business to pharma. He highlighted the importance of multidisciplinary knowledge, which he considered to be paramount to the research successes of every organization.

Dr. Narayanan spoke about the evolution and foundations of Artificial intelligence. He insisted that knowing the foundation helps in “incremental innovation” which many companies like IBM, and Microsoft follow in their research approach. This is in contrast to the mere application of pre-existing library functions. He also discussed how the human brain formulates context diagrams, and how it can easily understand relationships between objects, something that is much more difficult for computers to do. He discussed how AI was very useful in automating tasks that involved a lot of brute-force labor, like report writing. With AI writing documentation and reports, it would be much easier to focus on developing high-quality code, something that AI does not always do.



In the field of Machine Learning, he explained how reliability and thereby confidence levels change based on the method used to train the model. Dr. Narayanan then delved into the applications of AI like Banking, Insurance, Software, etc. Some fields have a very great future due to the high rate of

automation and augmentation whereas fields like Manufacturing and the chemical Industry have very little future for incorporation of AI due to the very minimal rate of automation possible owing to the process' complexity.



In the domain of Pharmaceuticals, he explained how AI has assisted in developing new chemical combinations, which can be effortlessly generated. He explained the SMILE representation of chemical compounds depicts an otherwise non-linear chemical in a linear structure. He also spoke to us about his patent “Automated Prediction of Biological Response of Chemical Compounds Based on Chemical Information”. He explained how his team at TCS Research utilized an ensemble-style model to aggregate predictions to make the most accurate predictions on biological responses.

Throughout the 1 hour session, he shed light on the importance of knowing the context, events, and foundation of any technology. He delivered many valuable ideas on cross-domain work, to become truly successful in the mainstream industry.

Ashwini Parvatha G S and Pooja Premnath (CSE III Year)

Industry Experts Participation in B.E & M.E Project Reviews

Ms. Geetha Manjusha acted as an industry expert and reviewed M.E Project work on 5th March 2024.



Final year project review two was conducted on March 23rd, 2024. Four industry experts were invited to review the projects along with the project review panel. Ms. Sudha Parimala, Team leader working with Tarides evaluated 18 project batches working in the areas of natural language processing, speech processing and multimodal data processing. She gave input on the areas for improvement and how to fine tune their results.



Ms. Aarthi Ravishankar, Delivery manager, Corporate Social Responsibility working with Tata consultancy services evaluated 17 project batches in the areas of data analytics, big data and Augmented Reality and Virtual Reality. She suggested the importance of design thinking before implementing the project work. Mr. B. Logesh, Solution consultant working with Sahaj AI software private limited evaluated 17 project batches working in the areas of block chain, cyber security and image processing. He suggested to deploy the project work in the real-world applications. Ms. Kalai Vani, Software Engineer working with Google evaluated 18 project batches working in the areas of computer vision. She suggested to make few works as open source, some preference should be given for technology-oriented projects along with research-oriented projects.

Coding to Tech Job - Unfolding the Roadmap

On April 9, 2024 at the Central Seminar Hall, The Department of Computer Science and Engineering along with Career Development Centre organized a talk on "Coding to Tech Job - Unfolding the Roadmap" by our Alumna (Batch 2017-2021), Ms. Nandhini Raja, Member of Technical Staff (SDE) at Salesforce, on April 9, 2024, from 10:15 am to 11:45 am at the CSE Seminar Hall.



Students from various departments participated in this talk and gained a lot of information through her discourse. The talk was highly interactive and received great attention. Ms. Nandhini Raja elucidated the pathway to a tech job, particularly emphasizing interview rounds. During this discussion, she also mentioned

coding platforms to enhance student's coding skills. A basic syllabus for fundamental algorithmic structures was presented, along with discussions on patterns, video tutorials, projects, internships, and hackathons. Additionally, she advised students to seek referrals from alumni for internships. The talk concluded with an engaging question and answer session, during which students eagerly asked questions and received solutions. The session proved to be informative and ended on a positive note. Thus, Ms. Nandhini Raja's presentation provided valuable insights into navigating the journey from coding proficiency to securing a tech job.

Shankari S R II Yr/CSE

Workshop on "Large Language Model"

The Department of Computer Science and Engineering successfully conducted a Three-Day Workshop titled "Workshop on Large Language Models" from April 15th to April 17th, 2024, catering to 2nd and 3rd Year Computer Science students. The workshop was convened by Dr. T. T. Mirnalinee, Head of the Department of Computer Science and Engineering, and organized by Dr. Chitra Babu and Dr. Angel Deborah. The workshop was led by, Mr. Returaj and Mr. Roshan, PhD Scholars from IIT Madras, who provided their expertise in the field.

The inaugural day commenced with Mr. Roshan delivering a comprehensive introduction encompassing Natural Language Processing, Probability Modelling, and classical NLP algorithms such as Bag of Words, Skip-Gram, RNNs, and GLOVE. Each theoretical session seamlessly transitioned into practical tutorials, wherein students actively engaged in implementing and experimenting with provided code. The regular breaks between theory and tutorial sessions allowed students to seek clarification from the resource persons, fostering a conducive learning environment.



On the second day of the workshop, Mr. Returaj led a comprehensive session on Transformers and Language Modelling, delving into advanced topics such as Encoders and Decoders, Attention Mechanism, and Fine-tuning. The session concluded with an exploration into Reinforcement Learning, where Mr. Roshan elucidated fundamental concepts like MDP Formulation, Policy Iteration, Q-Learning, and the Integration of Human Feedback.

The end of Day – 2 featured the announcement of a Mini-Project Competition to be hosted on Kaggle. Students were grouped into teams of 3 or 4 and tasked with training a Text Classification Model capable of discerning whether a given text pertained to a natural disaster. The competition culminated on Day – 3 with a team comprising three 2nd Year students, Sundaresh Karthic G, Shobith Kumar R, and Tharunithi TJ, training the model with the highest accuracy. The workshop concluded with the top three teams presenting their projects.

Sundaresh Karthic Ganesan

2nd Year – CSE

EVENTS ATTENDED

- **Dr.N.Sujaudeen, AP/CSE** has attended one day "KANI Tamil '24 Conference" organized by the Government of Tamil Nadu and Tamil Virtual Academy in the Chennai Trade Center, Chennai.
- **Dr. Dhannya S M, AP/CSE**, attended a 3-day FDP on foundational subjects in Theoretical Computer Science from Feb 29 to March 2, 2024 at IIT Madras.
- **Dr. T. T. Mirnalinee** has attended “Artificial Intelligence in Precision Medicine” and “How to Startup a Startup” on 14th March 2024 (Thursday): 10.00 am and 1.00 pm at Mini Auditorium, SSNCE.
- **Dr. Felix Enigo V. S.ASP/CSE** has completed the Mentor Development Programme online module conducted by Bharatiya Yuva Shakti Trust (BYST).

National Cyber Security Summit 2024

National Cyber Security Summit 2024 on Emerging Technologies & Trends in Cloud Security was organized by Sri Manakula Vinayagar Engineering College, Puducherry.

On 01.03.2024, inaugural session chief guests are Dr. Tharanikkarasur, Vice Chancellor, Puducherry University, Dr. Diksha Rajput, Deputy Secretary at University Grants Commission, New Delhi & Dr. E. Khalieraj Director – General, National Cyber Security Research Council (NCSRC). Dr. E.



Khalieraaj spoke about the happenings in the research council and gave some recently happened cybercrime threats and how they were solved. He insisted on restricting the use of social media platforms and being vigilant regarding the calls received. Dr. Diksha Rajput gave information about the happenings in cyber security and various programmes supported by UGC.

Mr. Ashok Kumar Mohan, founder and director at KRIYAVAN Cyber Forensic

Service, Cyber Forensic Lead Consultant, Project Head - Cyber Forensics, NCSRC, handled Session 1. He spoke about "Cyber Hygiene To Youngsters", highlighted the need of the hour to teach students about cyber hygiene and how things like ethical hacking work, and illuminated Cyber Forensics in delivering pioneer cyber security services for a Safe, Secure and Resilient Cyber Ecosystem.

On 02.03.2024, Sh. Jitender Singh, Assistant Commissioner of Police, Indian Cyber Crime Coordination Centre(I4C), Ministry of Home Affairs, handled session 1. He spoke about the various initiatives taken by the Indian government regarding cybercrime and gave statistics related to it. He insisted that the student community be vigilant in using social media platforms and warned about how Google apps are used for cybercrime. He also insisted on visiting the nearby cybercrime police station to get real-time experience and become a cybercrime volunteer.

Session 2 was handled by Nantha Ram R, Global Head - Cybersecurity (Manufacturing, Supply Chain & Retail), Dyson. He spoke about where cyber security is adopted and how it is used. He gave a glimpse into how cybersecurity is implemented in industries. Session 3 was handled by Mr. Vadivelan Sankar, Executive Director- Grant Thornton Bharat LLP. His areas of specialization are cyber war gaming, vulnerability analysis and continuous monitoring, Testing, and cybersecurity training. He spoke about the importance of cyber security and cyber forensics.

Dr. Suresh Jaganathan, ASP/CSE

OTHER ACTIVITIES

- Dr. Rogelio, vice provost and Dr. Sriram, associate professor, Drexel University, USA, visited SSN on 14th Feb 2024. **Dr. D.V.V. Prasad, Prof./CSE and Dr. R. Kanchana, ASP/CSE** took the third year BE students interested in higher studies for their talk on new collaborative program with Drexel University from 2024.
- **Dr. R. Kanchana ASP/CSE** coordinated with faculty members to prepare assignments with higher knowledge level questions and made them present to Prof. Ganesh Samudra on 15th Feb 2024. Dr. T. T. Mirnalinee and Dr. R. Kanchana discussed about target setting for ESE, CA, CO/PO attainments as well.
- On 24th Feb 2024, all faculty members of CSE attended the talk by Prof. Ganesh Samudra on Outcome based Education – Philosophy.
- **Dr. R. Kanchana** attended the meeting organized by Dr. Albal, SACE with Dr. Sriram, Drexel regarding Post Graduate Programs to be offered Jointly by SSN and Drexel on 1st Mar 2024 and later shared the proposed courses in our PG curriculum that need to be completed in first semester.
- **Dr. T.T. Mirnalinee and Dr. R. Kanchana** prepared a proposal on setting up a Centre of Excellence on AI/ML with Immersive Technologies and presented to Dr. Kala Madam on 15th Mar 2024.
- **Dr. Sarath Chandran K. R.,AP/CSE** acted as an evaluator for the event "ENCENDER - A Project Expo" organized by the department of CSE, SSN CE on 22nd March 2024.
- **Dr. S. Rajalakshmi, Dr. K. R. Sarathchandran, Dr. H. Shahul Hameadh and Mr. S. Raghavendra Kumar**, conducted the second review for 35 batches of Internally Funded Students' Projects (IFSP 2022-23) sanctioned under STIRS scheme on March 12, 13, 19 and 23, 2024.
- **Dr. S. Rajalakshmi, Dr. K. R. Sarathchandran, Dr. H. Shahul Hameadh and Mr. S. Raghavendra Kumar**, conducted the first review for 39 batches of Internally Funded Students' Projects (IFSP 2023-24) sanctioned under STIRS scheme on April 15, 16 and 17, 2024.
- **Dr. S. Rajalakshmi** acted as a question paper setter for a subject in the end semester examinations May 2024 of Mepco Schlenk Engineering College (Autonomous), Sivakasi on March 2, 2024.
- **Dr. Beulah A.,AP/CSE** acted as question paper setter for a subject in the end semester examinations May 2024 of J.N.N Institute of Engineering (Autonomous), Tiruvallur 3rd April 2024.

BOS MEETING

The Board of studies meeting was held on 27th Apr 2024 to review the syllabus of 5-year integrated MTech(CSE) program. The following members were present:

Sl. No.	Name	Role
1	Dr. T. T. Mirnalinee Professor and Head, Department of CSE SSN College of Engineering	Chairperson
2	Dr. S. Chitrakala Professor, Department of CSE College of Engineering, Guindy, Anna University, Chennai	Anna University Nominee
3	Dr. Chandrasekar, IIIT Bengaluru	Academic Expert
4	Dr. Karthik Sivakumar, CISCO, Chennai	Industry Representative
5	Mr. Sasikumar, Walmart, Bengaluru	Alumni Representative
6	Faculty, Department of CSE, SSN College of Engineering	Members



STUDENT ACHIEVEMENTS

CO-CURRICULAR ACTIVITIES

1. **Apurva Narayan, Olirva M, Keerthan VS, Karthik V** attended the Innovation, Design and Entrepreneurship Bootcamp phase II held in Coimbatore at Sri Ramakrishna Engg College organized by AICTE, Ministry of Education after getting selected from SIH finalists. The event was held from 29.1.24 to 2.2.24 at National Level.
2. **Alamelu, Aathish, Parthiban, and Hemasree** participated in Open Hack '24, a national-level hackathon organized by IISc Bangalore on 28th February 2024 at their campus. They were selected as one of the 13 finalists among 200+ teams and received the Social Impact Award along with a **cash prize of Rs.5000.**
3. **Aathish Sivaubrahmanian of III Year CSE, Aditya B and Vishal Murugan of II Year SNU Cybersecurity** have participated in VIT Chennai's Password 2024 Cyber Security Capture the Flag event held on the 29th of January 2024 at VIT Chennai Campus, and secured **First Place.**
4. **Pradeep KM of 2nd year CSE** has participated in Binary Bash of Cocoenz 2023 held on 27.03.2024 organized by Sairam Institute of Technology at national level, secured second place and awarded a cash prize of 750 INR
5. **Pradeep KM of 2nd year CSE and Ajit Ashok of CEG** have participated in Peer Programming of Technozarre 2024 held on 15.03.2024 organized by SRM Vadapalani at national level, secured first place and awarded an amazon voucher worth 1000 INR.
6. **Pradeep KM of 2nd year CSE and Ajit Ashok of CEG** have participated in Let's C of Samhita 2024 held during 16.03.2024 to 17.03.2024 organized by Anna University, MIT campus at national level, secured first place and awarded a cash prize of 3000 INR
7. **Pradeep KM of 2nd year CSE and Ajit Ashok of CEG** have participated in Smack-O-Bug of AICON 2024 held on 19.03.2024 organized by MNM Jain Engineering College at national level, secured first place and awarded a cash prize of 1000 INR
8. **Pradeep KM of 2nd year CSE and Ajit Ashok of CEG** have participated in Math Quiz of Mathastica 2024 held on 20.03.2024 organized by Anand Institute of Higher Technology at national level, secured first place and awarded a Gold medal
9. **Pradeep KM of 2nd year CSE and Ajit Ashok of CEG** have participated in Math Puzzle of Mathastica 2024 held on 20.03.2024 organized by Anand Institute of Higher Technology at national level, secured first place and awarded a Gold medal.
10. **Pradeep KM of 2nd year CSE** has participated in Fault Fix Fiesta of Electrofocus 2024 held during 23.03.2024 to 24.03.2024 organized by Anna University, MIT campus at national level, secured second place and awarded a cash prize of 1000 INR.
11. **Alamelu Kannan, Jahnvi Murali and Aathish Sivasubrahmanian** from CSE A III, and **Parthiban** of CSE B III participated in TriNIT 2024, a National Level Hackathon organized jointly by NIT Trichy, NIT Warangal, and NIT Suratkal from 8/3/24 (Friday) til 10/3/24 (Sunday). The team has been selected to the final 20 out of more than 1800 teams and 4000 registrants after an intense 48 hour development session where we built a Peer To Peer Decentralised Disaster Management application.

12. TCE EIACP PC-RP at Thiagarajar College of Engineering is a Programme Centre - Resource Partner for Environmental Information Awareness, Capacity Building and Livelihood Programme, under the Ministry of Environment Forest and Climate Change, Government of India organised a "State Level Mobile Game Development Contest" on the theme "Plastic Waste Management" for college students. **Raghul Yadhav of III year CSE** won second runners up position with cash award of Rs.4000/ under the guidance of **Dr. Angel Deborah S.**
13. 16 teams from third year CSE and 17 teams from second year CSE submitted their ideas to Barclays "Hack-o-Hire" under four different problem statements that include: Predicting and Forecasting Threats/Cyber Attacks [Cyber Security Theme], Digital Box [Mobile App Theme], Anomaly Detection [AI, ML & Analytics Theme], Email Classification [AI, ML & Analytics Theme]. Out of the 32 teams from CSE, one team consisting of **M.Dharshini of III year CSE** and **M M Bharath Ram of III year ECE** has been selected for finals of Hackathon to be conducted during 6th & 7th April 2024 at Barclays Chennai Campus.

Shashi - SSN's Very First LLM Chatbot!

SHASHI is SSN's High-Alert Security Hotline Intern, here to offer you security advice and help you win Capture-the-Flag Challenges. OpenAI's release of GPT-3.5-Turbo allowed any developer (who's willing to pay for the API) to build Large Language Model apps easily. Google released Gemini Pro a few weeks ago, aiming to break into the market themselves.

The catch is, LLMs are such a new technology that it's remarkably easy to build insecure products that can leak sensitive data through the LLM, or convince it to do something it's been explicitly told not to do. We call this hacking, or breaking, the LLM. We built Shashi to give you a playground where you can practice hacking Large Language Models safely (frankly speaking, without putting your OpenAI or Google account at risk). Shashi will generally respond within a minute or two, but can take longer for more complicated requests.

The SSN Coding and CyberSecurity Clubs

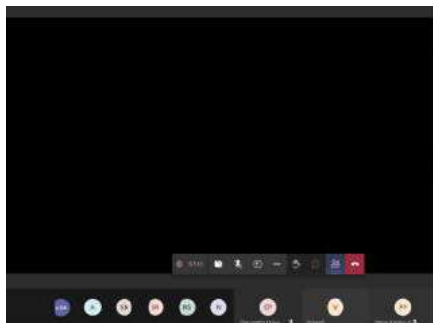
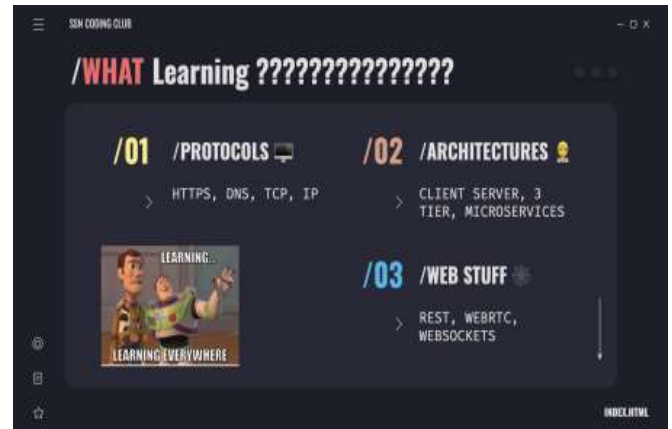
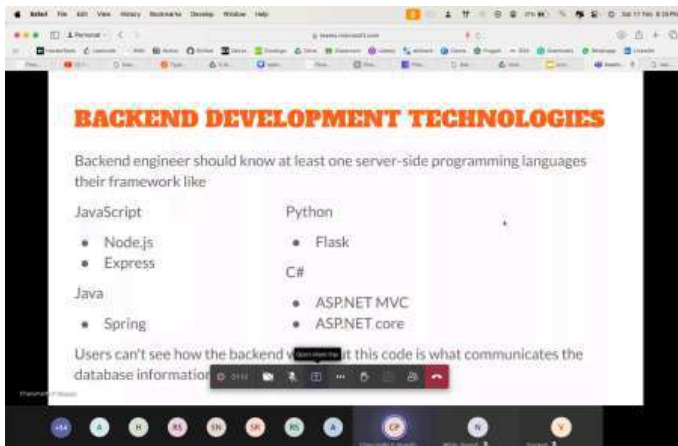
How To Become A Full Stack Developer

The Software Development team of SSN Coding Club discovered that a lot of students in their 1st and 2nd years wanted to become a Full Stack Developer but were clueless on where to begin.

So the team decided to host the series "How to become a Full Stack Developer" and came to a consensus that the first session would comprise the basics of world wide web.



The first session was hosted by Charumathi III year CSE department and Justin Benito II year ECE department on the topic of Frontend and Backend Technologies along with network protocols. The session kicked off with an intro of the hosts Charumathi and Justin by Vignesh followed by "Basics of web" by Charumathi and then "Protocols" by Justin Benito.



From how users interact with the internet in the frontend to what happens when users interact with the internet, the session was perfectly balanced to make students understand as well as introduce them to new concepts. Although kept on a weekend the turn out was very promising and motivating and showcased the interest of students to learn more about the relevant technologies. The Software Development team continues to host workshops on "How to become a full stack developer"

Justin Benito B ,II Year ECE

ACM Code From Home



SSN-ACM Student Chapter organized a captivating event "Code from Home" on February 20th, 2024, delivering a thrilling experience for coding enthusiasts. Hosted on the platform HackerRank, the event garnered significant attention, with an impressive total of 50 teams registering from various years and departments within the institution. 37 teams had participated, showcasing an admirable level of enthusiasm and dedication to the craft. This widespread engagement underscored the event's success in fostering a vibrant coding culture within the academic community.



"Code from Home" served as a platform for students to exhibit their coding prowess and problem-solving skills, nurturing both competition and collaboration among participants. The diverse array of questions presented a stimulating challenge, spanning different difficulty levels and domains. From classic Data Structures and Algorithms (DSA) challenges to intricate topics like Queuing Theory and Regression Analysis, participants were confronted with a broad spectrum of problem-solving scenarios. These eclectic questions not only tested their technical cognition but also encouraged critical thinking and creative innovation in devising solutions.



Certificates were awarded to all participants, acknowledging their dedication and contribution to the event. These certificates serve as a testament to their hard work and commitment, providing a tangible recognition of their achievements in the realm of coding and programming. Behind the scenes, the success of "Code from Home" was made possible by the relentless efforts of the faculty coordinator Dr.N.Sujaadeen, AP, CSE and the Student Coordinator Sanjjit S of CSE along with the technical team. From designing the contest structure to coordinating participants in real-time, the core team exemplified exceptional professionalism and competence throughout the event's duration.

"ACM Code from Home" emerged as a resounding success, leaving an indelible impression on participants and organizers alike. The event not only provided a platform for showcasing coding skills but also fostered mutual growth within the academic community. As the SSN-ACM Student Chapter continues its mission of promoting excellence in coding and programming, events like these serve as catalysts for innovation, learning, and collaboration among students.



Sanjjit S, III Year CSE

GDSC App Dev Session Report

The GDSC SSN App Dev Session on Flutter, held on 07.02.2024 (12:30pm - 3:30pm), was a resounding success, offering attendees a comprehensive insight into Flutter - a booming app dev platform. The event took place in offline mode, attracting a good turnout, from various years, eager to explore the possibilities that this field has to offer.

The presentation was done by the App Dev Team. V S Pranav chaired the hands-on session, with Indirakanth V (App Dev Lead), Sadhana A and Apurva Narayan (Members of App Dev Team) contributing to the presentation.



The event was organized by Charumathi P (GDSC Lead) and Sanjjit S (Co-lead) with guidance of Dr. V. Balasubramanian (CSE dept).

Event highlights:

- **Welcome and Introduction:** The event commenced with a warm welcome to the attendees, setting the tone for an informative and engaging session.
- **Introduction to Flutter:** The basics of Flutter and other aspects of app development was very clearly explained to the audience
- **Hands on Session:** The attendees were assisted to a hands-on session to build a simple "to-do app" by the speaker.

- **Q&A Session:** An interactive Q&A session addressed a wide range of queries, ensuring that attendees left the event with a clear understanding of the basics they were taught and were left to explore a lot more into this amazing domain of AppDev

Participation:

No of registrations: 43

No of attendees: 17

No of female attendees: 3

No of male attendees: 14



Sanjjit S, III Year CSE

GDSC Info session-Google Solutions Challenge

GDSC SSN organized an Info Session for the Google Solution Challenge on 19/02/2024 (8pm - 9pm). It was a resounding success, offering attendees a comprehensive insight into the Google Solution Challenge, which is an annual initiative by the Google Developer Student Club that empowers students from universities across the globe to harness the power of technology and creativity in addressing one or more of the United Nations' 17 Sustainable Development Goals.

The event took place in online mode, attracting a huge number of students, from various years, eager to explore the possibilities that this competition has to offer.

The event was organized by Charumathi P (GDSC Lead) and Sanjjit S (Co-lead) with guidance of Dr. V. Balasubramanian (CSE dept).

Sanjjit S, III Year CSE

GDSC AI ML Seesison Fundamentals of Decision-Making Systems

On February 17th [8 PM -9 PM] , participants gathered for an illuminating online session titled "Fundamentals of Decision-Making Systems.". This workshop was held online and was conducted by the AI/ML team. Shreyas (AI/ML team member) started the Session with a basic introduction to RL. Following Shreyas' presentation, Shriram (AI/ML lead) took the stage to discuss Knowledge

Representation and its significance in decision-making systems. The session concluded with Sanjai (AI/ML team member) explaining about logic representation and its role in decision-making systems. The event was organized by Charumathi P(GDSC Lead) and Sanjjit S(Co-Lead) under the guidance of Dr. V Balasubramaniam (CSE dept)

The session kickstarted with a fascinating look at Pavlov's classical conditioning experiment, setting the stage for understanding decision-making mechanisms. Through this historical lens, participants gained valuable insights into the foundational principles of behavioral conditioning. Building upon the groundwork laid by Pavlov's experiment, attendees were treated to a sneak peek into the realm of Reinforcement Learning (RL) and contemporary state-of-the-art RL systems. As the session progressed, the focus shifted towards knowledge representation, a pivotal component of decision-making systems. Participants delved into various methods and techniques for encoding and organizing knowledge, laying the groundwork for effective decision-making processes. The session culminated with an in-depth exploration of logic representation, encompassing propositional and first-order logic. Through practical examples and theoretical insights, attendees gained a comprehensive understanding of how logic serves as a powerful tool for representing and reasoning about complex decision-making scenarios.

No of Attendees: 68

Sanjjit S, III Year CSE

EmpowHer: International Conclave for Women in STEM

The conclave organized by: Agaram Foundation in association with Centre for Empowerment of Women, Anna University, Mullai Academia International on theme 'Empowering Women towards higher education and research' on: 18th and 19th March , 2024 at Vivekananda Auditorium, Anna University , Chennai was attended by Shankari S R (CSE-C II Year), Samah Syed (CSE-C II Year), Vishnu Praba A J (CSE-C II Year), Yuvapriya N (CSE-C II Year).

The inaugural ceremony of the event featured Dr. Soumya Swaminathan and Mr. Suriya, who delivered motivating speeches, setting the tone for enthusiastic participation. Stalls and workshops covering diverse domains like AI and cybersecurity were opened, fostering learning and interaction. Workshops on 3D printing, ethical hacking, and career guidance were conducted, followed by poster presentations showcasing student projects.

A panel discussion on Science, Society, and Sustainability encouraged active participation and insightful questioning. Tamil cultural performances added vibrancy to the event. "Thesis in 3 Minutes" presentations provided concise insights into complex topics, while a career guidance session and networking opportunities enriched participants' experiences.

Day 2 commenced with the EmpowHer Awards, celebrating women innovators across various fields. An Awareness of Entrepreneurial Development talk featured first-generation women entrepreneurs sharing their journeys and insights. A panel discussion on "IPR and Patenting Challenges" provided valuable information on intellectual property rights.

Idea presentations by students were followed by discussions on challenges and opportunities for women in research and the future of sustainable living, incorporating a gender-balanced perspective. The conclave concluded with a valedictory address by Dr. Annapurani Subramaniam, summarizing key takeaways and emphasizing the significance of insights shared throughout the event.

Overall, the event provided a platform for learning, inspiration, and networking, empowering participants with valuable knowledge and perspectives.



PLACEMENT OFFERS

Student Name	Company/ University
Devisri S R	TCS
Gopala Krishnan S	EPIKINDIFI Software & Solutions Pvt. Ltd.
Jitmanyu Magesh	SISA Information Security Pvt Ltd
Malavika J S	TCS

Journey To Higher Studies

Pennsylvania State University

My name is Dhanya Srinivasan, and I am a current final year student at the Department of CSE. Deciding to go abroad to do a Masters' degree was a relatively easy decision for me to make. In the second year, I discovered that I was very interested in Machine Learning problems, when I worked with the SSN CSE NLP faculty on 2 papers for the Association for LTEDI workshop. I spoke to more faculty members, and realized that this was a field that I wanted to specialize in.



To learn more about the field, in addition to academic courses, I did a few more projects under varied faculty members. This helped me to strengthen my profile well enough in time for application season to roll in around September 2023. To further build on my research profile, I also applied to a 2 month long research internship at the IIT Madras Research Park with the TCS Innovations Lab, where under the guidance of a mentor, I worked on graph based neural networks.

Another important factor when applying to universities in the USA was the GRE and English proficiency tests. To train for the same, I signed up for an 8 week long GRE course and a from Manya-The Princeton Review at the beginning of my third year. In the course, I was thoroughly coached and appraised of different kinds of questions and methods in which to solve them. I also took a coaching class for the TOEFL exam. I intensively prepared for the exams for two months, and finally took the exams in September 2023. I managed to score 326(167Q+159V) in the GRE and 100 in the TOEFL iBT.

After completing the standardized exams, I shortlisted 12 universities to apply to, with 6 of them being from the ambitious category, 4 being from the reach category and 2 being from the safety category. I obtained the letters of recommendation from professors and prepared the academic statements requested by each university. After multiple drafts of each of them, I finished applying to all universities in December 2023.

The 3 month wait for decisions from the universities was most grueling. Every morning I would wake up and check my email for any decisions. At the end of the season, I had received 7 offers of admission and 5 rejections, getting into all the reach and safety universities, and one of the ambitious universities, namely, the Pennsylvania State University. I am excited to be attending Penn State in the fall, and I am looking forward to the snow filled winters and being a Nittany Lion!

Dhanya Srinivasan, IV Year CSE

New York University (NYU)

Embarking on the journey towards pursuing a Master's degree in Computer Science with a focus on machine learning and artificial intelligence has been an enlightening process, marked by challenges and moments of triumph. Reflecting on this journey, I recognize the importance of perseverance and determination in achieving my goals. The journey began with the task of researching and selecting suitable universities and programs. This required careful consideration of various factors such as academic offerings and research opportunities.

Crafting my SOP was the toughest part of this journey. Condensing my academic journey, aspirations, and personal narrative into a brief document required deep reflection and countless revisions. Seeking input from family and friends added valuable perspectives but also posed the challenge of integrating all of their feedback into a cohesive narrative. The end of this challenging process brought a feeling of achievement, signaling the completion of the most demanding part of the journey. However, the phase of awaiting responses from universities introduced a new dimension of anxiety and anticipation. I found myself repeatedly refreshing my inbox and checking university portals, but only in vain. Receiving my first admission offer from Northeastern University for a Master's in Artificial Intelligence was a moment of relief and excitement. I was thrilled, and it instilled in me a feeling of positivity that kept me going. After a long silent period, coupled with rejections from some of the ambitious colleges I had applied to, like UT Austin, I got accepted to the Master's in Computer Science program at New York University (NYU). Being my dream ever since, I am very excited about studying and living in New York.

Looking ahead, I see a path filled with promise and opportunity. Overcoming challenges and reaching milestones has shown my resilience and determination. I'm excited for what's to come, embracing the future with optimism and enthusiasm.



Divya SrinivasanD,IV Year CSE

Arizona State University And The University Of Utah.

It was in my second year that I made the decision to study for a master's in computer science. I felt that throughout these 4 years of learning, we would have learned a lot in computer science, but doing masters in this field can open up a large opportunity. I came to this conclusion with a lot of research and help from various resources. I had to build my profile in such a way that it would make me a perfect student to get an admission to any university abroad. Research paper work in NLP and a lot of development projects, especially in the field of mobile development, gave me the enthusiasm to apply to US-based universities. With the help of online resources, help from department faculties, my mentor, and my parents, of course, I had plans to execute towards getting admissions to US universities. Starting with the GRE and TOEFL scores we know that to be eligible to study at US universities, we should have a good score on the TOEFL and GRE. But during the COVID-19 period, many of the universities waived the consideration of GRE scores as admission requirements. This gave me a wide range of options to apply for and get to know where I would stand. For both exams, I did not have coaching separately, and I learned all this by myself. But my friends suggested that I buy a book called 5lb. for GRE preparations. Similarly, for TOEFL, I followed YouTube channels and free online mock tests to know where I stood. After giving the tests, I had to prepare the Statement of Purpose (SOP) and Letter of Recommendation (LOR) from faculty members to apply to universities. As I had done a research paper under two faculties, I got it from them, and one LOR was given by my mentor. I could contact some of our seniors and get help with SOP corrections and modifications. Getting help from seniors who are already present in the US helped me understand some of the exact requirements for some particular universities. I had shortlisted some universities in such a way that I would be financially capable of paying the fees and getting a good education in the field of computer science. After preparing LORs, SOPs, test scores, resumes, and some shortlisting, I applied for a Master of Science in Computer Science at four universities, namely Arizona State University, the University of Utah, the University of Colorado Boulder, and the University of Massachusetts Amherst. From these 4 universities, I got admitted to 2 universities, and those are Arizona State University and the University of Utah.



Indirakanth V, IV Year CSE

The University of Maryland, United States

Embarking on the journey towards pursuing a Master's degree in the United States was not an easy decision, it was one that entailed leaving behind the comfort of home, family, and familiarity for the promise of a brighter academic and professional future. Amidst the whirlwind of preparations, from managing GRE and TOEFL exams alongside rigorous semester schedules and other commitments, to navigating the labyrinth of university choices, each step presented its own challenges and uncertainties.

The process began with the task of shortlisting universities and courses, made all the more difficult by the conflicting opinions from well-meaning acquaintances. After in depth research, I finally chose nine universities to apply to.

Crafting the perfect Statement of Purpose added another layer of complexity. Tailoring each essay to meet the varying word limits and personalizing them to resonate with the principles and ideologies of each university required meticulous attention to detail and introspection.

The application phase marked a culmination of efforts as I meticulously applied to the universities on my shortlist. The subsequent waiting period was a test of patience, fraught with anticipation and uncertainty. Amidst the rollercoaster of emotions, the initial acceptance letters from Northeastern University and the University of Massachusetts breathed a sigh of relief and increased confidence.

However, the journey was not without its setbacks. Rejections from esteemed institutions like the University of Illinois at Urbana-Champaign and Georgia Institute of Technology served as humbling reminders of the inherent unpredictability of the admissions process. Yet, perseverance prevailed, and after an agonizing wait, acceptance letters from the University of Southern California (USC) and the University of Maryland, College Park (UMD) finally arrived, opening doors to new possibilities.

The final hurdle lay in the daunting task of choosing between USC and UMD, a decision fraught with considerations and implications for the future. After much deliberation and soul-searching, UMD emerged as the clear winner towards my pursuit of a Master's Degree in Computer Science.



Dhanya Krishnan , IV Year CSE

Sunnybrook Research Institute at the University of Toronto

I started out with a dream, not very dissimilar to most of the students reading this article - pass out with flying colors from SSN, and get placed in a lucrative super dream company. As I was striving towards achieving good grades in the courses, my passion for the subjects drove me to get involved in multiple research pursuits under the able guidance of our Professors. One such initiative drew me towards the MLRG student's group. This was the beginning of a journey that has culminated, nay, reached a checkpoint, with my fully-funded admission into the distinguished Sunnybrook Research Institute at the University of Toronto, as a direct-entry PhD student in Medical Biophysics.

An enlightening ACM talk from a member of our strong alumni network mooted me to join the MLRG student's group, where I began by reading high-quality research papers, trying to understand what was done. Eventually, as I got to coding and contributing, I delved into machine learning, and understood the broad applicability of its techniques. For instance, I discovered how skills like NLP and regular expressions could be used beyond their conventional domains, for tasks such as genome sequencing. This understanding became crucial as I applied for universities in Canada. In addition to enriching my technical knowledge, this experience made me benefit from the wisdom and experience of my seniors, who opened my mind up to the myriad benefits of pursuing higher education abroad.

While exploring options for an advanced education, I understood the excellent opportunities available for research-based graduate education in Canada. The research portfolio that I had built came in handy as I vied for securing an admit into one of the several world-class institutions there. In time, with my extensive efforts towards contacting potential supervisors, preparing applications and qualifying from competitive exams, aided by generous and timely support from our Professors, I was able to secure a Direct-PhD offer from the University of Toronto, as well as a Research Master's offer from the university of British Columbia, Alberta, Waterloo all of which are graciously fully-funded by the respective universities.

I am excited by the prospect of representing SSN and India through my tenure in one of the foremost medical research laboratories in the world, where my work would revolve around developing medical imaging modalities for cancer detection. I have begun to pay forward all the support and guidance I had received, by helping out my juniors get on track to realize their aspirations.



Divyasri, IV Year CSE

EXTRA - CURRICULAR ACTIVITIES

1. **Sathvika.V.S of 3 rd year CSE** has participated in the Seetharaman and Lakshmiammal Memorial Table Tennis state Level Tournament held at Sairam college of Engineering on 15.2.24 has also secured first prize with a cash prize of 5,000
2. **Sathvika.V.S of 3 rd year CSE** has participated in the colosseum-14 Table Tennis Tournament held at sastra university from 16.2.24 to 18.2.24 and has also secured first prize with a cash prize of 3,000
3. **Sathvika.V.S of 3 rd year CSE** had participated in the All India Intercollegiate Table Tennis Tournament held at VIT Chennai during 9.2.2024 and has also secured first prize at National Level.
4. **Sathvika.V.S of 3 rd year CSE** has participated in the National Level Table Tennis Tournament held at DGV college of arts and science during 13.2.24 and has also secured first prize with a cash prize of 5,000.

High Cash Incentive Received By Government Of Tamilnadu

Rishab S of II Year performed at the 58th Roller Skating National Meet organized by the Roller Skating Federation of India in Mohali, Punjab, during the year 2021. Representing Tamil Nadu with pride and determination, he emerged triumphant by securing an impressive tally of 2 Gold Medals in Road Elimination (15 Km) and Point to Point Track (10km) and 2 Bronze Medals in 1000m (Track) and Road Point to Point (10km) respectively.



Rishab S , II Year CSE

Rishab was presented with the High Cash Incentive Award by the Honourable Sports Minister, Udhayanidhi Stalin, at the prestigious Kalaivanar Arangam, Chennai with cash reward of Rupees 9 lakhs, on 23rd February 2024 for representing India in the Junior Category at the World Championship held in Ibague, Colombia, the same year.



ALUMNI CORNER

- As part of the International Conference on Computational Intelligence in Data Science held during February 21-23, 2024 Mr. Sriram M(CSE Alumni 2018-22), SDE-1, Samsung Ecommerce, Chennai , acted as session chair.
- Mrs. Premalatha, ME CSE Alumni 2008-10, visited the campus for FDP AATA-2024 on 03-02-2024 and interacted with our faculty
- Mr. Varun Raganatha Dharanth, Software Engineer, Meta CSE Alumni, visited the campus on 10-02-2024 and interacted with our faculty
- Mr. V. Vrishin Vigneshwar, Software Development Engineer-Motorq, BE CSE Alumni 2018-2022, visited the campus on 25-03-2024 and interacted with our faculty.



- Mr. Amogh Gupta, Software Engineer-IBM, BE CSE Alumni 2017-2021, visited the campus for Project Exlog on 22-03-2024 and interacted with our faculty.



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