



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
Deemed to be University u/s 3 of UGC Act, 1956
VADAPALANI

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

#INCLUDE “NEWSLETTER.h”

JULY - DEC 2024

VOL 24



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ABOUT THE DEPARTMENT

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The department balances the practical and theoretical aspects of computer science and provides the students with a background for professional employment or further study in the discipline. The department provides both comprehensive foundation and the specialized skills to seek out creative solutions in a fast-paced technological age.

DEPARTMENT VISION

To become a world class department in imparting high-quality knowledge and in providing students a unique learning and research experience in Computer Science and Engineering.

DEPARTMENT MISSION

- To impart knowledge in cutting edge technologies on par with industrial standards.
- To collaborate with renowned academic institutions in research and development
- To instill societal and ethical responsibilities in all professional activities

HoD's DESK



Dear Readers,

Happy New Year! May this year bring you success, growth, and opportunities to excel. As the Head of the Department of Computer Science and Engineering at SRM Institute of Science and Technology, Vadapalani Campus, I sincerely acknowledge the unwavering support and guidance of our esteemed management and patrons of SRMIST, VDP. Their continuous support has been instrumental in shaping our department's journey toward innovation, academic excellence, and transformative growth.

Post the department reorganization from AY 24-25, our commitment to excellence remains unwavering. Our CSE students continue to prove their ability to master any specialization of their choice. Through the **Honors Programme**, introduced in September 2024 (AY24-25 Odd), students can explore advanced specializations like Financial Technologies, Quantum Computing, and many more, showcasing their unparalleled potential. With close to 20 enrollments in January 2025, we look forward to seeing this number grow even bigger this year.

As a department offering **B.Tech, M.Tech, and Ph.D. programs** in Computer Science & Engineering, let us strive to lead in academics, research, and innovation.

Warm regards,

Dr. S. Prasanna Devi

Professor and Head

Department of Computer Science and Engineering

SRM IST, Vadapalani

PRINCIPAL COORDINATOR's DESK



Greetings,

It gives me immense pleasure to present **Volume 24** of the bi-annual CSE Department Newsletter, covering the period from **July to December 2024**. This edition showcases the outstanding achievements, events, and initiatives undertaken by our students, faculty, and alumni. From academic milestones to industry certifications and impactful departmental activities, the newsletter reflects the dynamic spirit of our department.

A special note of thanks to all the students who contributed their time and efforts to this edition. Your hard work, creativity, and dedication have been instrumental in making this publication a success.

I also express my gratitude to the editorial team and faculty members for their unwavering support. Let's continue to **learn with curiosity, leap with determination, and lead with innovation** as we move ahead together.

Happy reading!

Warm regards,

Dr. Golda Dilip

Principal Coordinator

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RESEARCH ACTIVITIES



PUBLICATION DETAILS OF FACULTY FOR PERIOD OF JUL - DEC 2024

- SCI/SCIE-03
- SCOPUS-23
- Book-01
- Book Chapter-08
- UGC-06
- Patent filed-02 Published-04 Granted-01



PUBLICATION DETAILS OF RESEARCH SCHOLARS FOR PERIOD OF JULY - DEC 2024

- SCI/SCIE-03
- SCOPUS-08



RESEARCH SCHOLARS

- Total On-roll scholars : 49
- Full time : 22
- Scholars thesis submitted : 7
- Scholar completed PhD : 9
- Remaining full time doing - 6 full time
- Part time : 23
- Scholars prephd completed : 2
- Scholars Thesis Submitted: 01
- Part time internal doing : 10
- Part time external doing : 10

DCSE expresses gratitude to **Dr. P. Durgadevi** , Research Coordinator(DCSE), for the research statistics provided.

DEPARTMENT HIGHLIGHTS

DCSE STUDENTS HONORED FOR ENVIRONMENTAL EFFORTS WITH EXNORA



DCSE Students dedicated one month to a remarkable social service initiative through **ExNoRa International** as part of their community connect program. During this period, students actively participated in various impactful activities, including lake cleaning, nursery maintenance, and planting saplings in multiple parks. On 14-07-24, the students were felicitated at the DOT School of Design.

Dr. Golda Dilip, representing the CSE department, attended the felicitation

ceremony along with **Dr. P. Jayanthi**, the Community Connect coordinator.

Mr. S. Senthur Pari - President, of ExNoRa International Foundation honoured the faculties. The event was a celebration of the student's hard work, commitment, and the positive impact they made on the community. Their exemplary efforts serve as a testament to the power of youth in driving social change and fostering a sustainable future.

COMMUNITY EFFORTS APPLAUDED BY NARPANI FOUNDATION

DCSE students were appreciated and acknowledged by the **NARPANI FOUNDATION**, an NGO, for their active participation in community service during their summer vacation. The III year CSE students contributed significantly to various social service activities, demonstrating their dedication to positively impacting the community. Their efforts helped those in need and showcased the spirit of social responsibility and compassion among the students.



DEPARTMENT HIGHLIGHTS

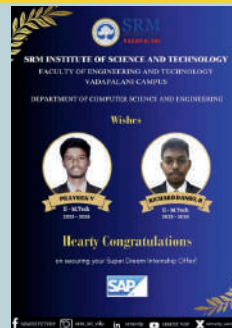
MONGO DB RECOGNIZES SRMIST VADAPALANI AS ACADEMIA PROGRAM PARTNER



DCSE proudly announces that 162 students have successfully completed MongoDB basic skill certification. As a result SRMIST, Vadapalani campus has been recognized as a valued partner by MongoDB for their Academia Program. This prestigious recognition was received by our **Dean, Dr. C.V. Jayakumar**, and **Dr. S. Prasanna Devi, HoD/DCSE** at the MongoDB Academia Leaders Connect which was held on 29-07-2024 at IITM Research Park.

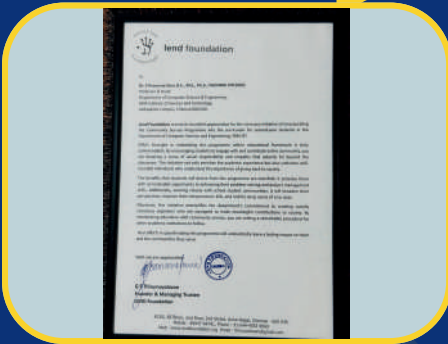
SAP INTERNSHIP ACHIEVEMENT

Mr. Praveen V and **Mr. Richard Daniel R**, II year M. Tech CSE (Batch 2023-2025), successfully secured a Super Dream Internship Offer at **SAP Labs**. Their hard work and dedication have led to this incredible achievement.



DEPARTMENT HIGHLIGHTS

EXCEPTIONAL CONTRIBUTION TO COMMUNITY CONNECT INITIATIVE



The students of III year DCSE have shown their outstanding participation in the Community Connect initiative with Lend Foundation. Their dedication towards community service exemplifies their spirit of giving back. **Mr. Mutharasu** received the certificate of appreciation on behalf of DCSE.

ILP DRIVE ACHIEVEMENT

The students of DCSE have successfully completed the Internship Leading to Placement (ILP) drive on 24-08-2024, in collaboration with **Volante, Chennai**. DCSE expresses their gratitude for **Mr. Tanay Agarwal, esteemed alumnus (Batch of 2016-2020)** for connecting SRMIST, Vadapalani, with Volante's HR team, and to **Ms. Indumathy M, AP CSE,**

Mr. Yukesh Kanna, Dr. S. Sridevi, Dr. N. Bharathi, and the programmers for their support. This drive provided the students with a valuable opportunity to showcase their skills and begin their professional journeys.



DEPARTMENT HIGHLIGHTS

M.TECH WORKING PROFESSIONALS 1ST INDUCTION DAY PROGRAMME



DCSE is pleased to announce the inauguration of the M.Tech program for working professionals on our Founder Chancellor's birthday, 24th August 2024. This milestone reflects our commitment to empowering professionals to enhance their skills and knowledge in Computer Science, thanks to the visionary leadership and guidance of our Founder Chancellor.

EXCITING COLLABORATION ANNOUNCEMENT BETWEEN SRM IST VADAPALANI AND HCL TECHNOLOGIES

DCSE is thrilled to announce a groundbreaking collaboration with HCL Technologies. This partnership marks a significant step forward in providing our students with cutting-edge opportunities in the tech industry. The Memorandum of Understanding (MoU) was officially signed on 08-10-2024 by **Mr. Vikrant Dhawan, Senior Vice President at HCL Technologies Ltd, and Dr. S. Ponnusamy, Registrar at SRM IST**. This partnership will foster greater industry-academia collaboration, opening doors to internships and skill development programs for our students.



DEPARTMENT HIGHLIGHTS

UIPATH AND ICT ACADEMY HONOR DCSE FACULTY FOR EXCELLENCE

Ms. Indumathy M, AP/CSE and **Dr. S.Prasanna Devi**, HoD have been recognized and awarded with Certificate of Recognition for exceptional implementation of Skillathon and Learnathon 2024. This acknowledgment comes from UiPath Academic Alliance and ICT Academy, celebrating the successful completion of student learning of industry certifications for the AY 23-24.



ELEVATE YOUR TECH JOURNEY: B.TECH (HONS) PROGRAM



Department of Computer Science and Engineering (CORE) has unveiled its prestigious B.Tech (Hons) program on 26th September 2024, exclusively for bright students having CGPA above 8.5. What sets this course apart are Industry ready professionals and the Choice of specialization can be done from 3rd year onwards. Degree will be awarded as BTech (Hons) in CSE with specialization in Honors specialization. Some of the advantages of this course is Advanced

technical knowledge with hands-on experience and Flexible elective courses and Mapping of courses to MOOC.

DEPARTMENT HIGHLIGHTS

GLOBAL HORIZONS: SRM VADAPALANI COLLABORATES WITH USIM

DCSE at SRMIST Vadapalani Campus has collaborated with **Universiti Sains Islam Malaysia (USIM)**, which is fully owned & funded by the Malaysian Govt. This exciting collaboration paves the way for incredible opportunities for our students' mobility and faculty abroad programmes fostering innovation and excellence in education.



The active involvement of the entire department has elevated our highlights, cultivating a dynamic community that drives success and innovation.

PhD AWARDEES



Dr. S. Karthika
Date of completion: 29-07-2024
Guide: Dr. P. Durga Devi



Dr. V. Auxilia Osvin Nancy
Date of completion: 27-08-2024
Guide: Dr. Meenakshi S. Arya



Dr. Rajeshwari Rajesh Immanuel
Date of Completion: 30-08-2024
Guide: Dr. SKB. Sangeetha



Dr. Abhisha Amit
Date of completion: 07-10-2024
Guide: Dr. N. Bharathi



Dr. S. Jayanthi
Date of completion: 19-12-2024
Guide : Dr. S. Prasanna Devi



Dr. P. Adlene Ebenezer
Date of Completion: 27-12-2024
Guide: Dr. S. Manohar, Asst Prof

Congratulations to **Dr. S. Karthika, Dr. V. Auxilia Osvin Nancy, Dr. Rajeshwari Rajesh Immanuel, Dr. Abhisha Amit, Dr. S. Jayanthi and Dr. P. Adlene Ebenezer.** Your remarkable accomplishment is truly inspiring, and it opens the door to new opportunities and possibilities in your professional journey. May this achievement serve as a stepping stone towards even greater contributions to your respective fields. Your hard work, dedication, and expertise are commendable, and we have no doubt that you will continue to make a positive impact. Wishing you all continued success and fulfillment in all your future endeavors!

NPTEL



swayam

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HEARTY CONGRATULATIONS

AY 24 - 25 (JULY - SEPTEMBER 2024)



GOLD ELITE

COURSE - Software Conceptual Design

Register number	Student Name
RA2111003040063	Kanishk J

HEARTY CONGRATULATIONS

AY 24 - 25 (JULY - SEPTEMBER 2024)



SILVER ELITE

COURSE - Design Thinking: A Primer

Register number	Student Name
RA2111003040018	Y Roshni
RA2111003040103	Jey Anirudh Jeyakumar

HEARTY CONGRATULATIONS

AY 24 - 25 (JULY - SEPTEMBER 2024)



SILVER ELITE

COURSE - Introduction To Machine Learning - ISTGP

Register number	Student Name
RA2111003040103	Jey Anirudh Jeyakumar

INFOSYS SPRING BOARD				
II/III	Design Thinking	SUCCESSFULLY COMPLETED		
		CSE A	CSE B	TOTAL
		14	35	49
II/III	Data Structures and Algorithm Using Python	39	27	66
	Operating Systems	104	92	196
III/V	Introduction to MongoDB AI and Vector Search	61	58	119

INDUSTRY CERTIFICATIONS

CDAC

II/III	FututeSkills PRIME Bootcamp on Cloud Computing held on 22-Oct-2024 to 26-Oct-2024	3
III/V	FututeSkills PRIME Bootcamp on Cloud Computing held on 22-Oct-2024 to 26-Oct-2024	33
IV/VII	FututeSkills PRIME Bootcamp on Cloud Computing held on 22-Oct-2024 to 26-Oct-2024	10

ICT – LEARNATHON

ALL YEARS	Cloud Foundations (ACF)	1
	Machine Learning Foundations (AMLF)	1
	STAAD.Pro	1
	Process Mining Fundamentals	1
	Introduction to Generative AI	1
	Machine Learning with TensorFlow	1
	Explore Gen AI and Copilots	2
	Microsoft Fabric and Data Analytics	2
	Introduction to MongoDB, AI, and Vector Search	82

We are delighted to acknowledge the outstanding triumphs of our students who have acquired industry certifications from renowned programs such as ICT, CDAC, NPTEL, and Infosys Springboard. Throughout their continuous dedication to learning new abilities, they consistently displayed the obvious desire to achieve their objectives. We appreciate what they have done and look forward to their incredible contributions to the sector.

MAJOR EVENTS

JUL-DEC 2024

ATAL SPONSORED FDP ON HIGH PERFORMANCE COMPUTING AND ITS APPLICATIONS



AICTE - ATAL Academy sponsored, one week FDP on "HIGH PERFORMANCE COMPUTING AND ITS APPLICATIONS" was conducted from 05-08-2024 to 10-08-2024.

The Chief Guest for the inaugural was **Mr. V. Sridharan, Scientist F, C-DAC, Chennai** and the Guest of Honour was **Mr. E. Mahendran, Scientist E, C-DAC, Chennai**.

Dr. S. Ramachandran, Director (Academics), Dr. C.V. Jayakumar, Dean (FET) and Dr. C. Gomathy, VP (Academics & Placements), addressed the audience. **Dr. V. Sridharan,** delivered the inaugural address where he spoke about high performance computing and that it started as a hype of number crunching, and because of meaningless information on processor speed, clusters and grids were used. He said that the lack of applications is the reason for the untimely extinction of clusters and grid computing paradigms. He insisted that the participants increase networking speeds. He also highlighted the importance of the fields in which the participants can develop applications which can easily be funded by **MEIT and MST** to conduct research in a project of societal benefit. Finally, he exposed that disaster management projects and products hold a lot of potential in today's current aspect. He told the audience about the two types of automation available - production automation and process automation.



Production automation is where robotics is involved and it holds neither a scope for employability nor has much potential for research. Process automation is the process by which a product is getting shaped and it is better because of its quality control etc. He said that process automation holds a very good key across **HPC** and across all the branches of engineering. **Dr. E. Mahendran,** graced the event with his presence. The event was a great learning experience for the participants across the country. The event was successfully coordinated by **Dr. N. Bharathi** and co-coordinated by **Dr. T. Anusha**.

MAJOR EVENTS

JUL-DEC 2024

SPARK' 24



The **DI club of DCSE** in association with **CSI, Chennai chapter**, organized **SPARK' 24**, a two day National-level Symposium on Design Thinking on 19-09-24 and 20-09-24. The Chief Guest for the inaugural ceremony was **Mr K. S. Kandasami, IAS, Managing Director of TAHDCO**, while the Guest of Honour was **Dr. Ramakrishnan Ramani, Asst. Vice President of Intellect Design**, alongside **Dr. C. V. Jayakumar, Dean (FET)**, **Dr. C. Gomathy, VP (Academics & Placements)** shared their insights about the symposium and modern design thinking. **Dr. Prasanna Devi, HoD-CSE**, delivered the welcome address.

Dr. K. Komathy stressed the growing significance of design thinking in today's rapidly evolving world. She shared key insights into the current opportunities in the field and encouraged participants to leverage these methodologies for innovation and problem-solving. Her dynamic session engaged students effectively, inspiring them to think creatively and apply design thinking principles to real-world challenges. DI club coordinator **Dr. Golda Dilip**, and **Dr. K.Akila** successfully coordinated the event.



MAJOR EVENTS

JUL-DEC 2024

UBERTECH '24 – AI NEXUS A NATIONAL LEVEL SYMPOSIUM



ACE club of DCSE organized **UBERTECH 24**, a National-level Symposium on the theme **AI Nexus**. The symposium was a two day event 26-09-24 and 27-09-24. The inaugural function took place on September 26th at 9:00am. The Chief Guest for the inaugural ceremony was **Mr. M. Sesha Sai, Honorary Consul General of Seychelles, Founder-Farm Guru and Tedx Speaker**. The Guest of Honor was **Dr. M. Veerapan, Additional Director, Anna Administrative Staff College**. **Dr. Prasanna Devi, HOD CSE**,

delivered the welcome address, sharing insights about the symposium. **Dr. C. Gomathy, Vice President of Academics & Placements** and **Dr. C. V. Jayakumar, Dean (FET)** delivered special addresses.

The Guest of Honor, **Dr. M. Veerapan**, in his speech emphasized the significance of Artificial Intelligence, advocating for its ethical use. He encouraged participants to develop innovative solutions that positively impact the community.

The Chief guest, **Mr. M. Sesha Sai** shared his journey as a **TEDx speaker**, discussing the challenges of preparing his talk and overcoming nerves. He emphasized the power of authenticity, storytelling, and connecting with the audience, using his own experiences to inspire others. He encouraged aspiring speakers to embrace vulnerability and use their unique voices to create impactful presentations that resonate with listeners. Ultimately, his story highlighted how personal narratives can inspire change and leave a lasting impression. Followed by the guest speeches, the souvenir "Speicher" was released. This was followed by the release of the brochure of the B. Tech (Hons) poster. Following this The ACE club office bearers received their badges and a group photo was taken. The inauguration brought together professionals, students, and innovators, providing a platform for deeper exploration and collaboration. The students from various colleges enthusiastically participated in the technical, non-technical and gaming events. The event was coordinated by **Dr. Paavai Anand** and **Ms. Niveditha**.



MAJOR EVENTS

JUL-DEC 2024

FACULTY DEVELOPMENT PROGRAM ON MICROSOFT POWER BI DATA ANALYST ASSOCIATE



DCSE organized a five-day **Faculty Development Program (FDP)** on "**Microsoft Power BI Data Analyst Associate**" from 02-12-2024 to 06-12-2024 under the aegis of the **E & ICT Academy Phase-II, Ministry of Electronics & Information Technology, in collaboration with Microsoft and ICT Academy**. This program aimed to bridge the gap between academic

learning and industry expectations, equipping participants with expertise in SQL Server and Microsoft Power BI to meet the demands of a data-driven era.

The FDP began with foundational concepts in SQL Server for database management and querying, forming the base for exploring advanced features of Power BI, including data visualization, dashboard creation, and report generation. Facilitated by **Mr. Murugavel.V- Sr.RSM at ICT Academy** and **Ms. Valli, a seasoned Senior Technical Trainer at ICT Academy**, the program featured interactive theoretical

sessions and 12 hands-on lab exercises to simulate real-world data scenarios. Participants delved into practical applications such as data extraction, transformation, and designing interactive dashboards. The final day included an assessment to evaluate participants' mastery of the covered concepts and tools, emphasizing SQL Server processes and Power BI functionalities. The program

concluded with a valedictory session where participants shared positive feedback, highlighting its effectiveness in blending theoretical knowledge with practical applications.

The event, coordinated seamlessly under the guidance of **Dr. K. Karthikayani**, emphasized DCSE's commitment to fostering professional development and empowering educators with advanced skills in data analytics, ensuring they remain at the forefront of academic and industry advancements.



MAJOR EVENTS

JUL-DEC 2024

BOOK LAUNCH: "SMART CAMPUS INITIATIVES" & TECHBRIDGE INITIATIVE INAUGURATION



DCSE, SRM IST, Vadapalani Campus, proudly hosted the launch of "**Smart Campus Initiatives: Projects Driving Educational Automation**" and the inauguration of the **TechBridge** Initiative for Schools on October 14, 2024.

The book highlights innovative projects aimed at advancing educational automation and addressing real-world challenges. The TechBridge Initiative,

launched during the event, aims to bridge the technological gap in schools by equipping students with emerging skills in data science, AI, and programming, preparing them for a tech-driven future.

The Chief Guest, **Mr. Sumanbabu Yarlagadda, Director of Chennai Public School**, emphasized the role of innovation in education and the transformative impact of initiatives like TechBridge.

The book and TechBridge Initiative were unveiled by dignitaries including **Dr. S. Ramachandran, Director (Academics)**, **Dr. C. V. Jayakumar, Dean (FET)**, **Dr. C. Gomathy, VP (Academics)**, and **Dr. S. Prasanna Devi, HoD-CSE**. The event was coordinated by **Dr. T. Anusha**, **Dr. K. Karthikayani**, and **Dr. P. Durga Devi**.

The program concluded with discussion on education and technology, reinforcing DCSE's commitment to fostering innovation and preparing the next generation of tech leaders.



MAJOR EVENTS

JUL-DEC 2024

TECH FUSION 1.0



The DI club of DCSE, in collaboration with the Computer Society of India (CSI), hosted **TECH FUSION 1.0** - an exciting blend of hands-on workshops, series of seminars etc, on **Design Thinking, iOS App Development and PhD Alumni Seminar** from 28-10-2024 to 29-10-2024. The inaugural function commenced on 28th October at 9:15 am in the campus auditorium.

Dr. R. A. Nadesan, Director of the SRM Group, graced the inaugural ceremony as the chief guest. **Mr. Rizwan Ahmed**, Zoho Corp.'s Mobile Engineering Lead, and **Mr. Adithya Balagi**, CEO of Code Flakes Studio, were the Guests of Honour. **Dr. Prasanna Devi**, HOD CSE, delivered the welcome address, sharing insights about the event. **Dr. C. Gomathy**, Vice Principal of Academics & Placements, and **Dr. C. V. Jayakumar**, Dean (FET), delivered special addresses.

The honourable chief guest, **Dr. R.A. Nadesan**, delivered engaging information, aimed at enhancing creative problem-solving skills, and shared his expertise in the field along with key points and case studies on Design Thinking. **TECH FUSION 1.0** witnessed iOS App Development Workshop, by industry leaders **Mr. Rizwan Ahmed** and **Mr. Adithya Balagi** over two days, emphasised practical skills and real-world applications, preparing attendees



for the growing demand for iOS developers in today's tech landscape. A significant highlight was the Alumni Seminar titled **"Beyond the MTech - Advancing Your Research Ambitions with a PhD,"** featuring distinguished alumni speakers - **Dr. Auxilia Osvin Nancy** and **Dr. Karthika S.** from **Vel Tech University**, who shared valuable insights into pursuing advanced research degrees. The **TECH FUSION 1.0** symposium developed an environment for sharing knowledge and celebrated academic achievements within the SRM Institute community. The event concluded with **Mr. S. Prathik**, President of the CSI Student Chapter, delivering a heartfelt Vote of

Thanks to all speakers and participants.

EVENTS

JUL-DEC 2024

CYBERCRIME AWARENESS SEMINAR AND CONTEST



DI club of DCSE conducted a special **Cybercrime Awareness Seminar and Contest** on 16-07-2024. The seminar featured **Ms. M. Sri Lisha Stebila Theras, Deputy Superintendent of Police**, and **Mrs. J. Premila, Inspector of Police from the Tamil Nadu State Cyber Command Centre**, as distinguished guests. The seminar addressed cybercrimes, online safety, and the National Cyber Crime Reporting Portal, complemented by a quiz contest on

cybercrime awareness. Awareness was effectively raised, and participants were equipped with practical cybersecurity skills. The event was coordinated by DI club coordinator, **Dr. Golda Dilip**.

AWS SERVICES USING CLOUD COMPUTING

DCSE organized a workshop on **AWS services using cloud computing** on 16-07-2024. The resource person for the workshop was **Ms. Raji N, Manager - L&D, Movate Technologies**. The workshop provided students with a comprehensive understanding of AWS services and hands-on experience in cloud computing, focusing on AWS EC2 (Elastic Compute Cloud), AWS Virtual Private Cloud (VPC), and Identity and Access Management (IAM). The event was successfully coordinated by **Dr. S. Manohar**.



EVENTS

JUL-DEC 2024

SKILL DEVELOPMENT ESSENTIAL COMPETENCIES FOR CAREER ADVANCEMENT



DCSE organized a seminar titled **Skill Development - Essential Competencies for Career Advancement** on 30-07-2024. The seminar talk was led by **Mr. K.G. Vishwanathan, Head, of Tamil Nadu Apex Skill Development Corporation**, and **Mr. Muthu Shankar Sivasubbu, Partner Success Lead at HCL Tech**. The event provided profound insights into continuous learning and adapting to industry changes, with a particular emphasis on trends in the government sector job market. Key strategies

for both personal and professional growth were highlighted, offering a perfect blend of knowledge and practical advice. The seminar was successfully coordinated by **Dr. Sridevi Sridhar**.

WORKSHOP ON GENERATIVE AI AND TRANSFORMERS

DCSE hosted an engaging hands-on workshop on **Generative AI and Transformers** on 12-08-2024. **Mr. Prasanth Babu, Founder and CEO of PlayWithBots**, served as the resource person, bringing a wealth of academic knowledge and industry experience to the workshop, which greatly enhanced the experience for all participants. Mr. Prasanth fostered an interactive environment, encouraging discussions, sharing of experiences, and clarifications. As the workshop came to an end, participants

expressed their sincere an end, participants expressed their sincere gratitude to **Mr. Prasanth Babu**, making the event a memorable and enlightening experience for all. The workshop was coordinated by **Dr. P. Durga Devi**.



EVENTS

JUL-DEC 2024

INTERNATIONAL YOUTH DAY CELEBRATION 2024



DCSE celebrated **International Youth Day 2024** with a Community Connect Presentation and evaluation on 12-08-2024. The event featured **Mr. Vivek Raja Ragunathan, State Project Manager for Skills & Special Projects at TAHDCO**, as the Chief Guest, along with **Ms. Blessy R, Assistant Project Officer**, and **Mr. Mukilan A, Project Coordinator**, as esteemed guests. Students showcased impactful projects developed during their Community Connect Programme with NGOs. The event

highlighted youth empowerment and community development, aligning with the spirit of International Youth Day, and was a significant success, inspiring the younger generation to contribute meaningfully to society. The event was coordinated by **Mr. Muthurasu**.

FDP-ESSENTIALS OF FINANCIAL LITERACY

DCSE organized a faculty development program named **Essentials of financial literacy** on 14-08-2024. Our resource person for the event was **Mr. Lakshminarayanan, AVP at Bank of America**, delivered an incredibly informative session on managing finances effectively through all life stages. Participants left with valuable knowledge on adjusting financial strategies for long-term stability and success, emphasizing the importance of planning for both the present and the future. The program was coordinated by **Dr. K. Karthikayani**.



EVENTS

JUL-DEC 2024

CONCEPT EVALUATION AND IDEA REFINEMENT ROUND OF SIH'24 HACKATHON



The SYNC Club, DCSE hosted the Concept Evaluation and Idea Refinement round of **Smart India Hackathon 2024** on 27-08-2024. The Hackathon was evaluated by **Dr. Meenakshi S. Arya, Director of AI at Accrete AI**, and a former faculty at SRMIST. The presence of **Dr. Meenakshi Arya** was truly inspiring as she guided the teams with her extensive knowledge and provided insightful feedback that helped shape their innovative solutions. Her approachable leadership style and ability to foster

collaboration were evident throughout, leaving a lasting impact on all participants involved. The event was successfully coordinated by **Dr. T. Anusha**.

4TH INDUCTION DAY PROGRAMME - M. TECH

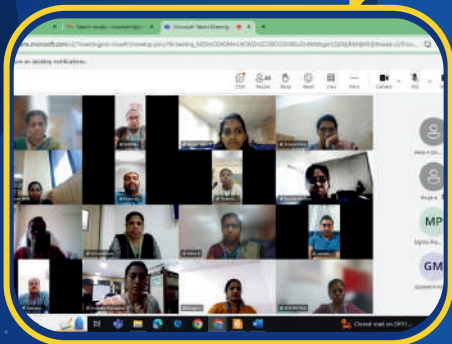
DCSE marked the **4th Induction day** programme for M.Tech Computer Science and Engineering on 21-08-2024. The event Kicked off with the quote "Excellence is not a gift, but a skill that takes practice. The program was graced by esteemed dignitaries, including Chief Guest **Ms. G. Sarvani, Scientist at National Informatics Centre (NIC)**, Dean/**FET Dr. C. V. Jayakumar, VP Exams - Dr. S. Karthikeyan, Research Coordinator Dr.K.Ramachandran, HOD /CSE DEPT - Dr. S. Prasanna Devi, MTech Coordinator - Dr. K. Akila**, heads and faculty members of various departments who have been the backbone of academic excellence.



EVENTS

JUL-DEC 2024

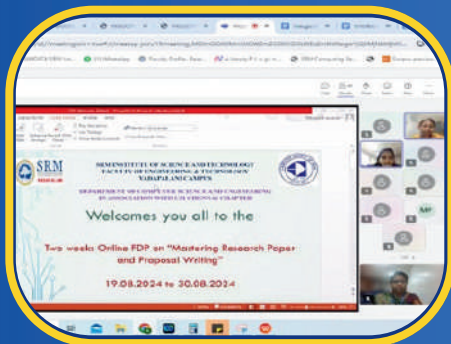
TWO WEEKS ONLINE FDP ON MASTERING RESEARCH PAPER AND PROPOSAL WRITING



DCSE in association with CSI Chennai organized The Faculty Development Program (FDP) on **Mastering Research Paper and Proposal Writing** from 19-08-2024 to 30-08-2024. The FDP included expert-led sessions on academic writing, publishing, and AI tools in research. Participants appreciated the practical insights and expert guidance, highlighting the program's role in enhancing research skills and demonstrating the department's dedication to promoting academic excellence.

FDP had the following eminent speakers:

- **Dr. Mythili Prakash, Ex- Chairperson, CSI Chennai Chapter,**
- **Dr. S. Amutha, Assistant Professor-VIT,**
- **Dr. Aisha Banu Wahab, Professor and Head, Crescent Institute of Science and Technology, Dr. C. Arun, Dean, School of Engineering, VISTAS University,**
- **Dr. Sandhiya Lakshmanan, CSIR Scientist, Dr. K. Indhumathi, Professor, Saveetha University,**
- **Dr.A Sheik Abdullah, Asst Prof, VIT,**
- **Dr. S. Kannadhasan, Assoc. Prof & HoD, Study World College of Engineering,**
- **Dr. A. Prasanth, Assoc. Prof, Veltech Multitech,**
- **Dr. P. Karthikeyan, Prof and Head, Kongu Engineering College,**
- **Dr. Karthikeyan Saminathan, Director-AI and Software Development, MINE.**



The event was coordinated by **Dr. P. Durgadevi** and **Dr. K. Akila**.

EVENTS

JUL-DEC 2024

WORKSHOP ON DECISION MAKING THROUGH DATA ANALYSIS



ACE Club of DCSE presented UBERTECH '24 Pre symposium workshop titled **Decision making through Data Analysis** on 06-09-2024 led by **Ms. Vinothini K, Senior Analyst in RR Donnelley**. Participants explored advanced analytics and industry trends, gaining valuable insights to drive impactful change, from strategic data-driven approaches to real-world applications, and attendees left empowered to transform their organizations which made the workshop a great success. Faculty Coordinators for the event were **Dr. Sridevi Sridhar and Dr. K.Karthikayani**.

STARTUP SUCCESS - DREAM, DESIGN, DELIVER

The EDC cell of DCSE hosted an engaging workshop titled **Startup Success - Dream, Design, Deliver** for young entrepreneurs on 09-09-2024. The workshop was led by **Mr. Adithya Balanu, CEO of CODE FLAKES STUDIO**, and **Mr. Saran Kumar Maran, UX Architect and Mentor**. The session was packed with interactive activities designed to ignite the entrepreneurial spirit, including - Solving Entrepreneurial Mysteries and creative problem-solving tasks. The workshop wrapped up with key takeaways that left participants inspired and ready to embark on their entrepreneurial journeys. The workshop was coordinated by **Dr. P. Durgadevi**.



EVENTS

JUL-DEC 2024

WEB DEVELOPMENT: BUILDING THE DIGITAL FRONTIER



The ACE Club of DCSE hosted a Pre-symposium workshop for Ubertech '24 titled **Web Development: Building the Digital Frontier** on 13-09-2024, led by **Ms. Vinittha**, a **Full Stack Developer** at **Neudesic Technologies Pvt. Ltd.**, the workshop covered web development fundamentals and advanced concepts, including HTML, CSS, React, and Node.js. Participants gained hands-on experience building a functional website while engaging in interactive discussions and resolving

queries in an open learning environment. The workshop was effectively coordinated by **Dr. K. Akila** and **Dr. P. Durgadevi**, providing attendees with valuable insights and skills for building digital platforms.

CODE, DESIGN, DEPLOY - MOBILE APP DEVELOPMENT BOOTCAMP

DCSE successfully conducted the **Code, Design, Deploy** Mobile App Development Bootcamp on 23-09-2024. The Bootcamp was led by **Ms. Sarvani**, **Scientist E** at the **National Informatics Center (NIC)**, the event aimed to provide students with essential knowledge and hands-on experience in mobile app development. The workshop covered mobile app development basics, industry trends, user-friendly design practices, and deployment strategies. The boot camp was successfully coordinated by **Dr. V.Rajasekar V** and **Dr. K. Akila**.



EVENTS

JUL-DEC 2024

HPC AWARENESS



The SYNC Club of DCSE hosted an enlightening workshop on **High Performance Computing (HPC)** under the AICTE-SANKALP scheme on 03-10-24. A special thanks to expert speaker **Dr. T. Anusha** who is **certified Master trainer in HPC**. She provided awareness on Supercomputer Architecture to Parallel and GPU Programming, participants gained hands-on knowledge of the future of computing. Over 120+ tech enthusiasts joined us to explore how HPC is reshaping AI, data science, and research.

FACULTY DEVELOPMENT PROGRAM (FDP) BRIDGING TECHNOLOGY AND EDUCATION: AI TOOLS FOR EFFECTIVE TEACHING

DCSE organized a Faculty Development Program (FDP) on **Bridging Technology and Education: AI Tools for Effective Teaching** for school teachers on 14-10-24. The program aimed to introduce faculty members to advanced AI tools and techniques that can enhance teaching methods and student engagement. The sessions were led by **Dr. Golda Dilip**, **Dr. Rajasekar**, **Dr. P. Durgadevi**, and **Dr. K. Karthikayani** of DCSE. The program fostered a collaborative environment, allowing educators to share experiences and best practices. Feedback from participants was overwhelmingly positive, with many expressing enthusiasm. The FDP was coordinated by **Dr. P. Durgadevi**.



EVENTS

JUL-DEC 2024

BOOTCAMP ON NETWORKING TECHNOLOGIES - CDAC



The SYNC club of DCSE hosted a boot camp in association with CDAC Chennai from 24-10-2024 to 26-10-2024. The bootcamp was led by experts **Mr. Mahendran E (Scientist E)**, **Mr. K. Rajendar (Scientist E)**, and **Mr. Naushad Hussain Khan (Project Engineer)**. The event, sponsored by CDAC, was conducted free of cost for students, providing them with valuable insights into networking technologies. The faculty coordinator for the boot camp was **Dr. T. Anusha**.

COLLABORATION WITH SCHNEIDER ELECTRIC - DIWALI CULTURAL EVENT

DCSE collaborated with **Schneider Electric, Guindy** for a Diwali cultural event on 29-10-2024. The event showcased exceptional performances by CSE students - **Jeffrey Darrel (III CSE A)**, **J. Paul Jeffen Ebenezer (III CSE B)**, and **Jai Vignesh (II CSE A)**. This marks the second collaboration between DCSE and Schneider Electric this year, providing a corporate platform for students to exhibit their talents. The ISR event was successfully coordinated by **Dr. S. Prasanna Devi, Principal Executor**, and **Ms. D. Punitha, Co-Executor**.



ALUMNI EVENTS

JUL - DEC 2024



USER EXPERIENCE (UX) IN EMERGING TECHNOLOGIES

A highly informative alumni seminar titled **User Experience (UX) in Emerging Technologies** was hosted on 24-07-2024. The seminar was led by **Mr. Sriram R M, Designer UX** at **Trigyn Technologies** and alumni (Batch 2018-2022). Mr. Sriram led a tech talk session, discussing his journey as a UI/UX

designer, his projects, and the importance of the field. The seminar was coordinated by **Ms. D. Punitha**, dept. alumni coordinator & **Dr. V. Rajasekar**, Campus alumni coordinator.

TECH TALKS - THE POTENTIAL OF MIXED REALITY

DCSE hosted an engaging alumni seminar titled **Tech Talks - The Potential of Mixed Reality** on 24-07-2024. The session was led by **Ms. Divyadarshini**, an alumnus of SRMIST (Batch 2018-22), who is set to pursue her Ph.D. at Cornell University. She offered valuable insights into the transformative capabilities of Mixed Reality technology. The event fostered a deep understanding of the subject, highlighting its applications in various industries and its immense potential to shape the future of digital interaction. The seminar was coordinated by **Ms. D. Punitha**, department alumni coordinator, and **Dr. V. Rajasekar**, campus alumni coordinator.



ALUMNI EVENTS

JUL - DEC 2024



THE NEXUS OF HIGHER STUDIES: OPPORTUNITIES ABROAD

DCSE organized a pre-symposium alumni workshop on **The Nexus of Higher Studies: Opportunities Abroad** on 07-08-2024. The resource person for the event was **Ms. Preethi Raghuraman**, MS Student, University of Waterloo, Ontario, Canada and esteemed alumni of batch 2019-2023.

Ms. Preethi shared her journey from a B.Tech in CSE at SRM to MS in Data Science and AI at the University of Waterloo. She covered essential topics like the application process, cultural adjustments, and preparation strategies for pursuing higher education overseas. The event was coordinated by **Dr. G. Paavai Anand** and **Mrs. Niveditha**.

PLAN B : AFFORDABLE EDUCATION IN EUROPE FOR UNCERTAIN TIMES

DCSE organized an Alumni Talk titled **Plan B : Affordable Education in Europe For Uncertain Times** on 13-08-2024. The Resource person for the Talk was **Mr. Shriram Govindarajan**, MS in Computer Science at University of Stuttgart and esteemed alumni of batch 2019-2023.

He provided a comprehensive roadmap for navigating the challenges of studying abroad, emphasizing affordability. His guidance on selecting the right country and program aimed to help students make informed decisions for future success. The Alumni Talk was successfully coordinated by **Dr. V. Rajasekar**.



ALUMNI EVENTS

JUL - DEC 2024



TECH TALKS - KEY CONCEPTS IN AI/ML AND DEEP LEARNING

DCSE organized an alumni **Tech Talk** on **Artificial Intelligence, Machine Learning and Deep Learning** on 16-08-2024. The event featured **Mr. Pradeep Kandasamy**, financial analyst at **Cholamandalam Investment and Finance Company Ltd** and alumni (Batch 2019-23). Participants were deeply engaged throughout the talk, gaining valuable insights into the

future of AI and its vast potential. The session was not only informative but also a great opportunity for students to connect with an accomplished alumnus, making it a truly enriching experience for all. The session was seamlessly coordinated by **Dr. P. Durgadevi** who ensured that the event ran smoothly and successfully.

ALUMNI SPOTLIGHT: HOW TO CRACK YOUR FIRST INTERVIEW?

DCSE hosted an esteemed alumni talk **How to crack your first interview** on 09-09-2024. The talk was led by **Ms. Bhavana Mohanadas** and **Ms. Trisha Babu** [Batch 2019-2023] currently pursuing their MBA at ISSM B School. They shared their invaluable expertise on mastering their first job interview. The topics covered during their session was how to craft a standout resume, effective communication, and overall interview preparation. The session provided empowering guidance for students as they embark on their professional careers. The faculty coordinator for this event was **Dr. V. Rajasekar**.



ALUMNI EVENTS

JUL - DEC 2024

ALUMNI MEET-UP 2024



The DCSE Alumni Meet-Up held on December 21, 2024, at the SRMIST Kattankulathur Campus was a delightful reunion filled with cherished memories and inspiring moments. The event provided an opportunity to reconnect with our distinguished alumni, celebrate their remarkable achievements, and foster a stronger bond within our ever-growing alumni

network. Their success stories continue to inspire and motivate the department and its students.



"The roots of education are deep, but the fruits are sweeter when shared among those who grew together."

OUTREACH EVENTS

JUL - DEC 2024

SCHOOL OUTREACH



DCSE partnered with the Narpani Foundation to host an enlightening outreach event at Jai Gopal Garodia Girls Higher Secondary School in Virugambakkam, Chennai on 01-08-2024. Our dedicated team, led by **Dr. V. Rajasekar and Ms. Punitha D**, alongside enthusiastic final year student volunteers from DCSE, engaged students in discussions about the exciting applications of Artificial Intelligence and

the latest trends in Computer Science and Engineering. Their positive responses were the highlight of the program and indeed a great success.

EMPOWERING YOUNG MINDS THROUGH TECHNOLOGY!

DCSE conducted an Outreach Workshop at Sri Shanthi Anand Vidhyalaya CBSE School, Thirumudivakkam, from 04-11-2024 to 06-11-2024. The sessions, led by **Dr. P. Durgadevi, Dr. K. Akila, and Dr. Vidhushavarshini**, introduced students from classes 6 to 12 to foundational AI concepts, coding skills, and collaborative project-based learning. The workshop inspired students to explore technology, with enthusiastic feedback highlighting their newfound passion for tech innovation. The event was coordinated by **Dr. Vidhushavarshini**.



OUTREACH EVENTS

JUL - DEC 2024

CERTIFICATION PROGRAM ON EMERGING TECHNOLOGIES IN IT



DCSE inaugurated the Certification Program on Emerging Technologies in IT, Part of the Tech Bridge Initiative on 09-12-2024. The program, for school students, focuses on Data Science, Artificial Intelligence, and Python Programming. **Dr. S. Prasanna Devi**, Head of DCSE, delivered the welcome address, emphasizing the importance of bridging academic knowledge with industry-relevant skills. Over 150 students participated actively. The Python Programming course, facilitated by **Dr. K. Karthikayani**, was conducted daily in

the evening from 09-12-2024 to 20-12-2024. The event was coordinated by **Dr. P. Durgadevi**.

EMPOWERING EDUCATORS WITH AI

DCSE hosted the **Empowering Educators with AI** workshop on 21-09-2024, at Chennai Public School, Thirumalazhai campus, aiming to help teachers integrate AI into their lessons. Educators explored tools like ChatGPT for personalized question papers, Mapify and Edrawmind for visual learning, and Diffit for streamlined lesson planning. They also used ClickUp for project management, Draw.io and Gauthmath for simplifying complex concepts, and Quillbot, Spinbot, and Grammarly to enhance writing skills. The workshop, guided by **Dr. Rajasekar**, **Dr. P. Durgadevi**, **Dr. Karthikayani**, and **Mr. Sangar**.



UPSKILLING-NON TEACHING

JUL - DEC 2024

DIGITAL DETOX SEMINAR: BALANCING TECHNOLOGY AND WELL-BEING



DCSE organized **Digital Detox** seminar for non teaching staff and research scholars of FET on 11-12-2024, addressing cyber security, privacy, and digital dependency. **Dr. Golda Dilip** delivered the welcome address, emphasizing the challenges of digital overuse. **Dr. M. Senthil Kumar** led an insightful session on managing digital habits and ensuring online security, sharing practical strategies and real-life examples. The event concluded with a Q&A session and the faculty coordinator was **Dr. P. Durgadevi**.

ONBOARDING

DCSE warmly welcomes new members who are starting their chapters with the DCSE



Mrs. A. Janani

Date Of Joining : 09-09-2024

Designation : Lab Assistant

INDUSTRIAL VISITS

FACULTY INDUSTRIAL VISIT : CDAC



DCSE organized an industrial visit for faculty members to **CDAC Chennai** and the **HPC Cluster Centre at SRMIST, KTR Campus**, as part of the **ATAL Faculty Development Programme** on 09-08-2024. Faculty members from SRMIST VDP campus, along with other ATAL FDP participants, engaged in insightful discussions and hands-on experiences in advanced computing technologies. The visit explored cutting-edge research at CDAC Chennai, the capabilities of the HPC Cluster Centre, and

collaboration opportunities between academia and industry in real-world applications into teaching methodologies.

INDUSTRIAL VISIT : DELPHI TVS

DCSE organized an industrial visit to **Delphi TVS Oragadam, Chennai** for 2nd year students on 10-08-2024. A group of 26 enthusiastic students explored the cutting-edge world of manufacturing, gaining first hand insights into industry norms, protocols, and the intricate workings of the fuel injection pump manufacturing units. From the raw material collection to the shop floor, filter manufacturing unit, and the assembly line, students witnessed the future of manufacturing in action. The visit was coordinated by **Mr. Muthurasu N** and **Dr. Sridevi Sridhar**.



INDUSTRIAL VISITS

INDUSTRIAL VISIT (BATCH 2022 - 26)



DCSE organized a three-day industrial Visit to **Coorg - Mysore - Bangalore** from 12-09-2024 to 14-09-2024 for the 3rd year students (Batch 2022 - 26). The trip included visits to **Abbey Falls, Nisargadhama, Mysore Palace, Chamundi Hills, Brindavan Garden, and Wonderla amusement park**. The highlight of IV was the visiting **Kaynes Technology at Mysore**, where students explored valuable insights into the intricate process of chip design, manufacturing, and quality control,

enhancing their understanding of advanced electronics technology. The visit was Coordinated by **Mr. N. Muthurasu, Dr. V. Rajasekar and Dr. K. Akila**.

TREKKING ADVENTURE - FIT INDIA 2024

As part of FIT INDIA 2024 Week, SRMIST Vadapalani's UHV and NSS Cells organized a **one-day trekking and forest adventure** on 10-12-2024. CSE students, faculty, and staff actively participated, embracing fitness, nature, and the UHV principle, "**Existence is Co-existence.**" Participants also took the FIT India pledge, reaffirming their commitment to a healthy lifestyle and fostering harmony with self, society, and nature through this inspiring outdoor event.



ACHIEVEMENTS

HACK THE HORIZON HACKATHON



Ms. Yeshaswi P of III CSE A, confronted 700 competitors and won the **Hack the Horizon** hackathon hosted by the **Artificial Intelligence Club at VIT Chennai** from 06-08-2024 to 07-08-2024. In addition to her triumph, she received internship offers from Zuntra Digital and Edufic.

LICET TROPHY

Mr. Nisanth Duraiswamy of III CSE A, won the men's badminton team event at the 11th **LICET Trophy**, held on 11-08-2024 and 12-08-2024 at Loyola College, Nungambakkam.



ACHIEVEMENTS

PAPER PRESENTATION AT IEEE CONFERENCE



DCSE is honored to share that **Mr. Anirudh Sowrirajan, Mr. Pranav Srinivasan, and Ms. Sundari Avanthikaa** have presented their innovative research paper on **Enhancing Neurofuzzy Plasticity: A Fusion of LSTM and Neurogenesis** under the mentorship of **Dr. S. Prasanna Devi** at the **IEEE conference at Mahindra University, Hyderabad**, from 22-08-2024 to 24-08-2024.

EXAVERSE SYMPOSIUM

Mr. Sudarshan, Mr. Netrang, and Mr. Neelesh from **I CSE B**, secured first place and a cash prize of Rs. 10,000 in the **Exdathon**, a hackathon organized by the Exadata club of the CSE-Emerging Technologies department that took place at the Exaverse symposium on 28-08-2024.



ACHIEVEMENTS

HACK O HOLICS HACKATHON



Mr. Eklavya Singh of III CSE B, Mr. Aniket Kumar of III CSE B, Mr. Rohan Sharma of III CSE BDA, and Mr. Pawan Kumar of III CSE B, collectively secured the first prize of Rs. 20,000 at the **Hack O Holics Hackathon** organized by **St. Joseph Institute of Technology, Chennai**, on 14-09-2024 after facing 85 teams from 30 different colleges.

WOMEN'S DOUBLES TABLE TENNIS TOURNAMENT

Ms. Thanuja N. BS of I Year CSE achieved the Runners-Up position in the **Women's Doubles Table Tennis event at the Chief Minister Trophy**, which was conducted on 18-09-2024 at **Jawaharlal Nehru Stadium, Chennai**.



ACHIEVEMENTS

FLEXTRONICA



Ms. Aarti Pai P of **I CSE A** and **Mr. Sudharshan S R** of **I CSE B**, won the first prize in the event **Flextronica** at **Abhigyan'24**, which took place on 25-09-2024.

STATE LEVEL INTER-COLLEGIATE TOURNAMENT

Ms. Thanuja N. BS of **I Year CSE** secured the first position in the Table Tennis Team Event at the **23rd State Level Inter-Collegiate Tournament 2024**, which took place at **Kongu Engineering College, Erode**, from 26-09-2024 to 28-09-2024.



ACHIEVEMENTS

BEST WOMEN PLAYER



Ms. Thanuja N. BS of I Year CSE was awarded the title of **Best Women Player** in the **Table Tennis Team Event** during the **23rd State Level Inter-Collegiate Tournament 2024**, which was held from 26-09-2024 to 28-09-2024 at **Kongu Engineering College, Erode**.

KONGU TROPHY

At the **23rd Kongu Trophy**, our **SRM IST Table Tennis Men's team** displayed remarkable talent, securing the runner-up position. Our team celebrated strong victories against Kongu Arts and Science, SSN College of Engineering, and Kongu Engineering College. This event was held at **Kongu Engineering college, Perundurai** from 26-09-2024 to 28-09-2024.



ACHIEVEMENTS

TECHFLIX



Mr. Varun K of I CSE A, Mr. Karthi Balaji of I CSE A, Mr. Rudrakash Agarwal of I CSE A, and Mr. Jai Karthik of I CSE B secured the second position in the **Techflix event at Ubertech'24**, which took place on 27-09-2024.

KONGU TROPHY

Mr. Nisanth Duraiswamy from III CSE A delivered an exceptional performance at the **Kongu Trophy**, held from 27-09-2024 to 29-09-2024, at **Kongu Engineering College, Erode**. He led his team to victory in the Men's Badminton Team event and was honored with the distinguished Best Player award.



ACHIEVEMENTS

GULF HORIZONS PREMIER AWARD



Ms. Nandini Raja of III CSE A participated in the **Gulf Horizons Model United Nations (GHMUN)** on 28-09-2024 and 29-09-2024 (online). She secured the Best Position Paper award, the Best Delegate award, and the **Gulf Horizons Premier Award**.

PYTHON PUZZLE HUNT

Ms. Khushi of I CSE A and Mr. Sudharshan S R of I CSE B won the first prize in the **Python Puzzle Hunt** at **CICADA'24**, which took place on 30-09-2024.



ACHIEVEMENTS

TECH BATTLE



Mr. Kamalesh Kumar K, Mr. Dhaswanth S, and Mr. Fexi Maxwell G from **I CSE B** secured the first prize in the **Tech Battle** at **GENESIS'24**, which took place on **04-10-2024**.

BHARAT SANGEET UTSAV

Ms. Chinmayi C.S from **IV Year CSE**, a brilliant violinist, along with great artists **Ms Spoorthi Rao** and **Ms. Soorya Gayatri**, showcased their performance in the esteemed **Bharat Sangeet Utsav** at **Narada Gana Sabha, Chennai** on **04-11-2024**.



ACHIEVEMENTS

TABLE TENNIS TOURNAMENT



Ms. Thanuja N. BS from I Year CSE achieved a Runner-up position in the **U19 Girls Singles category** and reached the quarterfinals in the **Women's Singles event in the 7th State Ranking Table Tennis Tournament 2024**, conducted at Thanjavur from 08-11-2024 to 10-11-2024.

BINARY BLITZ

Mr. Sudarshan S.R from I CSE B was invited as a judge for the **Binary Blitz** event at **PS Codessey 2.0**, the second edition of the annual technical fest at **P. S. Senior Secondary School, Mylapore**. He assessed the programming solutions of 21 teams from 12 different schools in the city, concentrating on efficiency, originality, and problem-solving strategies. The event took place on 20-11-2024.



ACHIEVEMENTS

TAMIL NADU STATE CHAMPIONSHIP 2024



Ms. Thanuja N. BS from I Year CSE made it to the quarterfinals of the **U19 Girls Singles** event and the pre-quarterfinals of the **Women's Singles** event at the **Tamil Nadu State Championship 2024**, which took place at **ICF Stadium, Chennai**, from 20-11-2024 to 02-12-2024.

SMART INDIA HACKATHON (SIH)

Mr. N. Siddheshwar of III CSE A, **Ms. P. Madhumithaa** of III CSE A, **Mr. S. Syed Aaryan Ahmad** of III CSE AIML B, **Mr. G. Lalith Abhishek** of III CSE A, **Mr. Barath Kamalakkannan Vani** of III CSE A, and **Mr. Aadhitya Kumaran** of III CSE AIML B, as a team - **CODEFACTORY UNLIMITED**, have successfully presented their innovative solutions at the Smart India Hackathon (SIH) finals under the mentorship of **Dr. T. Anusha** and **Mr. N. Muthurasu**.

They also received valuable guidance from officials of the Metro Railway Ministry, underscoring the collaborative effort that contributed to their success. The event was held at IIT-Gandhinagar on 12-12-2024.



ACHIEVEMENTS

EDHACKS HACKATHON



Ms. Yeshaswi from **III CSE A** secured the second prize at the esteemed EdHacks Hackathon, which featured participants from across the globe which was held on 22-12-2024.

"**Achievements** are **milestones** that reflect **hard work**, **determination**, and a **passion for learning**. Celebrate today, and keep reaching for the **stars!**"

FACULTY MILESTONES

WIPRO CERTIFICATION ON “.NET”



Dr. V. Rajasekar successfully completed the “.NET” course offered by Wipro on 12-07-2024, showcasing true dedication and excellence throughout the program.

DR.S.PRASANNA DEVI DELIVERED EXPERT SESSIONS ON ADVANCED AI AT IIT DELHI

Dr. S. Prasanna Devi, Professor & Head from the Department of CSE, had been invited as a distinguished resource person at IIT Delhi, Sonapat campus to deliver exclusive sessions on Advanced Artificial Intelligence for the esteemed NIC (National Informatics Centre) Scientists. The session covered AI techniques, empowering NIC scientists with the knowledge and tools to drive digital transformation and innovation

in the country. The training happened in 3 batches during Sep , Oct & Nov 2024 spanning 5 days each and the event was fully sponsored by NIC.



FACULTY MILESTONES



Dr. Sridevi Sridhar has successfully completed the "**Demystifying Networking**" course certified by NPTEL on 22-09-2024, earning the title of top performer for her exceptional dedication.

Dr. P. Durgadevi has completed the "**Big Data**" course certified by NPTEL on 30-10-2024 and was awarded a Silver Medal with Elite recognition.



Dr. S. Vidhushavarshini secured the "**Big Data**" course certified by NPTEL on 30-10-2024 and was awarded a Silver Medal with Elite recognition.

FACULTY CERTIFICATIONS

S.No	Faculty Name	Certification	Institute offering the certification
1	Dr.Golda Dilip	Accreditation and Outcome Based Learning	NPTEL
2	Dr.Golda Dilip	SECURITY OPERATIONS FUNDAMENTALS	PALO ALTO NETWORKS
3	Dr.Golda Dilip	EY - Next Gen Employability Program	EY
4	Dr. Rajasekar V	Wipro certification	Wipro
5	S. Niveditha	Design Thinking - A Primer	NPTEL
6	Dr Sridevi Sridhar	Demystifying Networking	NPTEL
7	Dr.Karthikayani.K	Big Data Computing	NPTEL
8	Dr.P.Durgadevi	Big Data Computing	NPTEL
9	Dr.K.Akila	Big Data Computing	NPTEL
10	Dr.S.Vidhushavarshini	Big Data Computing	NPTEL IIT, Kanpur

LIST OF PUBLICATIONS

1. **Karthikayani.K, Meenakshi.K, Prabha.B, Durgadevi.P, & Jeyaprabha.B** (2024). Advanced stroke prediction with machine learning algorithm via ensemble stacking. Machine Intelligence Research, 18(01), 1-5.

2. **Annadurai.A, Sureshkumar, Vidhushavarshini, Jaganathan.D, & Dhanasekaran.S** (2024). Enhancing medical image quality using fractional order denoising integrated with transfer learning. Fractals and Fractions, 8(9), 511.

3. **Sureshkumar, Vidhushavarshini, Jaganathan.D, Ravi.V, Velleangiri.V, & Ravi. P** (2024). A comparative study on thyroid nodule classification using transfer learning methods. The Open Bioinformatics Journal, 17(1), 1-7.

4. **Sureshkumar, Vidhushavarshini, Sharma Navani.R, Balasubramaniam.S, Jaganathan.D, Daniel.J, & Dhanasekaran .S** (2024). Breast cancer detection and analytics using hybrid CNN and extreme learning machine. Journal of Personalized Medicine, 14(8), 792.

5. **Durgadevi.P, Akila.K, & Sandhia G. K.** (2024). Multivariate analysis. Magnus Publication.

6. **Pavithra.M, & Durgadevi.P** (2024). A comprehensive analysis of various threat detection and prevention techniques in IoT environment. Bentham Science, 1-19.

7. **S.Praveena, & Prasanna Devi.S** (2024). A sporadic classification and regression-based approach to intermittent demand forecasting in smart supply chains. Tehnicki Vjesnik, 31(5).

8. **Praveena.S, & Prasanna Devi.S** (2024). Clustering based demand prediction using long short-term memory (LSTM) in retail supply chains. In Advances in Artificial Intelligence and Machine Learning in Big Data Processing (pp. 45566). Springer.

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9. Shanmugam.M, Sivakumar, & Prasanna Devi.S (2024). Improving image inpainting performance with dual-stage adversarial structure and color-aware networks. Journal of Membrane Computing.

10. P.J.Harshini, Atheequr Rahman.M, & Durgadevi.P (2024). Augmenting learning: Enhancing textbook education with interactive AR visualizations. IIP Publishers.

11. Dineshwaran.K, Mahes. R, Arun. S, & Anusha. T (2024). Web application for automatic and accurate computation of course outcome and program outcome attainment. IIP Publishers.

12. Gor Naman Bharat, & Indumathy.M (2024). e-Uniz – Centralized institutional management system. IIP Publishers.

13. Rajeshbabu.S, & Dr. Sridevi Sridhar (2024). Enhancing campus collaboration and communication: A Ms-SharePoint-based intranet application for the university. IIP Publishers.

14. Patel.V, Mukherjee.S, Krishna.A.A, & Karthikayani.K (2024). From talent to innovation: Guiding kids from creation to commerce with mentorship and entrepreneurship. IIP Publishers.

15. Malik.S.A, Ebrahim.A, Saravann.P, Dr. T. Anusha (2024). Personalized application to learn touch typing for the visually impaired students. IIP Publishers.

16. Menon.N, & Golda Dilip (2024). Quantum machine learning for educational automation in smart campus initiatives IIP Publishers.

LIST OF PUBLICATIONS

17. Suresh.S, Thrishal. M, Jane. A, & Akila. K (2024). Analysis and summarization of YouTube lecture videos using NLP techniques IIP Publishers.

18. Durgadevi.P & Akila. K (2024). Quantum classification. In Quantum Machine Learning – A Modern Approach (pp. 1-10). CRC Press.

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“Sharing knowledge amplifies its value”

Congratulations to all the faculty members for their exceptional achievements in publishing research papers and patents!

Your accomplishments reflect your hard work, innovation, and passion for advancing knowledge.

LIST OF PATENTS

PATENT DETAILS

Invention Title	Application Number	Name of Inventor(s)	Status
AUTOMATED ORGANIC WASTE TOAUTOMATED ORGANIC WASTE TO BIODEGRADATION MACHINE	407344-001	1. Dr. Arindam Ghosh 2. Dr Omkar Singh 3. Dr. S. M. Subash 4. Dr. Karthikayani.K 5. Dr.M.S.Kuttimarks 6. Mr. Ram Ganesh G H	Granted
AI Based Wearable Device to analyse the customer emotion	434614-001	1. Dr.K.Sankara Moorthy 2. Dr. B. Shambhu Lingappa 3. Dr.K.Meenakshi 4. Dr.G.K.Sandhia 5. Dr.P.Durgadevi 6. Dr. Thummala Venkatamuni	Filed
ADAPTIVE CONVOLUTIONAL NEURAL NETWORK OF ROBUST DEEPPAKE IMAGE	202441092183 A	2. Dr. Akila .K 2. Mr.Paron Asib .S 3. Mr. Harish Rosan .V 4. Mr. Yogesh .J 5. Mr. Sangar .G	Published
IOT BASED SMART ENVIRONMENTAL HEALTH MONITORING SYSTEM USING MQ135 AIR QUALITY SENSOR	202441092188 A	1. P. Durga Devi, 2. Ram Prashanth V 3. Saurjyesh Karthikeyan R P 4. Swaminathan S	Published
A system and Method for information extraction and knowledge organisation in biomedical literature	202441093281	1. Anand Paavai Gopalan 2. Raguramya 3. Muralidharan Srinivas	Filed
Geospatial predictive flood resilience convolutional neural network driven Blockchain for Early flood warning and community response in Chennai leveraging satellite based data	202441088044	1. Dr.Golda Dilip	Published
Hand Held Coffee Bean Harvester	202441084562	1. Dr. Sridevi Sridhar 2. Dr. Thilagavathy Narayanamoorthi	Published

PLACEMENT STATISTICS

Company Wise Placement Details - CSE		
MARQUEE & SUPER DREAM		
S.NO	Company Name	No of Offers
1	Wells Fargo	1
2	Barclays	1



Company Wise Internship Details - CSE		
INTERNSHIP OFFERS		
S.NO	Company Name	No of Offers
1	Cavin Kare	6
2	DELL Technologies	1
3	ADP India PVT Ltd	1
4	Neilson IQ	1
5	Pickyourtrail	1
6	Volante	4



PLACEMENT STATISTICS

Company Wise Placement Details - CSE		
DREAM & OTHER COMPANIES		
S.NO	Company Name	No of Offers
1	Accenture	6
2	Cognizant	1
3	Capgemini	6
4	Infosys	4
5	TCS	23
6	TCS M.Tech	2
7	ADP	1
8	Bank of America	1
9	Cavinkare	6
10	Deloitte	1
11	EY GDS	2
12	KPIT	1
13	Neilson IQ	1
14	Pickyourtrail	1
15	UST	1
16	Volante	4

accenture



DCSE expresses gratitude to **Dr. Sridevi Sridhar, Placement Coordinator (DCSE)**, and **Mr. Yukesh Kanna. D, Placement Coordinator (Campus)**, for the placement statistics provided as of Dec 2024.

MOU'S SIGNED

MongoDB	Academic Partnership Programme	29.07.2024
HCL TECH	Industrial Collaboration	8.10.2024
UNIVERSITI SAINS ISLAM MALAYSIA	Academic Partnership Programme	21.10.2024
NASSCOM - FUTURE SKILLS	Academic Partnership Programme	4.12.2024

STUDENT'S CORNER



INDIAN ART FORMS EXHIBITION

Third-year students have skillfully exhibited their Indian art forms (IAF) drawings on 25th October. Every masterpiece of their artwork demonstrates creativity, enthusiasm, and deep appreciation for our cultural traditions. We proudly honor their artistic talents and eagerly await future inspiring developments.

The skill of Mughal painting can be seen demonstrating a seamless fusion of Indian and Persian styles. The colourful Madhubani painting, which originated in Bihar, features detailed patterns that celebrate cultural narratives.



The glass painting here displays skillset and elegance on the transparent surfaces with vibrant colours. Through Mandala Art, they have created complex designs to think about, while Rajasthani Art captures grand landscapes with a variety of colours. Each art, shows their commitment towards demonstrating these rich traditions.



The art exhibition was jointly evaluated by **Dr. S Sabarinathan** (HOD, Dept. of Chemistry) and **Dr. S. Prasanna Devi** (HOD, Dept. of CSE)

1st Place Winners **MANDALA FUSION ART**

- M. Ashwath Maadev - RA2211003040049
- Antony Saju David - RA2211003040007
- A.Adithya - RA2211003040048
- E. Hemachandru - RA2211003040045

2nd Place Winners **GLASS PAINTING**

- Muskan Kasat - RA2211003040039
- R. Amurutha - RA2211003040012
- Mridulla Murugan - RA2211003040020
- Venkat Vishal - RA2211003040078
- Swethan Gupta - RA2211003040014

3rd Place Winners **KERALA MURAL**

- Keshav - RA2211003040103
- Gagan - RA2211003040098
- Dharshan - RA2211003040009
- Kshitij Kumar - RA2211003040045
- Naman Gor - RA2211003040118



EXPLORING QUANTUM COMPUTING CONCEPTS AND APPLICATIONS

Quantum computing is an emerging field that holds the potential to revolutionize how we solve complex problems—problems that even the fastest classical computers struggle to handle.

What is Quantum Mechanics?

Quantum mechanics is the **branch of physics** that describes the behavior of matter and energy at **atomic and subatomic scales**. At these tiny scales, particles exhibit strange and counterintuitive properties, such as existing in multiple states simultaneously or influencing each other instantaneously across vast distances.

Principles of Quantum Computing

Qubits: Unlike classical bits that store information as 0s or 1s, quantum bits (qubits) can exist as 0, 1, or both simultaneously, thanks to superposition.

Superposition: Imagine flipping a coin—while in the air, it's neither heads nor tails but a combination of both. Similarly, a qubit in superposition can perform multiple calculations at once, exponentially increasing computational power.

Entanglement: When two qubits are entangled, the state of one instantly affects the state of the other, even if they are light-years apart. This "spooky action at a distance," as Einstein called it, allows quantum systems to perform coordinated operations with remarkable efficiency.

Quantum Interference: Quantum computers use interference to amplify correct solutions while canceling out incorrect ones, enhancing accuracy and performance.

Interested in quantum computing? The CSE department invites students and researchers to explore this exciting field. Look for workshops and seminars, or contact faculty for guidance on starting your research.

Applications

Drug Discovery: Simulating molecular interactions to accelerate the development of new medicines.

Optimization: Enhancing supply chain logistics, traffic management, and resource allocation.

Artificial Intelligence: Improving machine learning models and solving complex AI problems.

Cryptography: Revolutionizing secure communication by breaking traditional encryption methods while enabling new quantum-safe algorithms.

Complex Simulations: Solving problems in physics, chemistry, and climate modeling that are infeasible for classical computers.

Interesting Facts about Quantum Computing

Quantum computers often require operating temperatures close to absolute zero (-273.15°C) to maintain qubit stability. These environments are **colder than outer space**.

Quantum entanglement enables instantaneous interaction between particles, **regardless of distance**. This phenomenon has been experimentally verified, **defying classical physics**.

Varsha T, 3rd Year, CSE B

HIDDEN LAYERS : THE UNIVERSE'S SECRET

We live in a world with 3 dimensions of space length, width, and depth. along with 1 dimension of time. Together, these make up the 4 dimensions we experience daily. But scientists believe that there might be more dimensions in the universe, ones we cannot see or feel.

What Are the Known Dimensions?

The dimensions we know are:

Length, Width, and Depth: These describe where things are in space.

Time: This allows events to happen in order, like a timeline.



How Many Dimensions Are There?

According to **string theory**, a popular idea in physics, the universe has 10 dimensions. While we are familiar with four, the other six are thought to be hidden. Another advanced theory, called **M-theory**, goes a step further and suggests there are 11 dimensions.

Why Can't We See These Dimensions?

These extra dimensions are folded in ways that make them invisible to us. However, their effects might still show up. For example, scientists think the energy created during the Big Bang (when the universe was formed) might carry hints about these hidden dimensions.



When you think about how tiny we are in this vast cosmic expanse, it's hard not to wonder **How we could really be the only living organisms in this boundless universe?** Exploring hidden dimensions isn't just about understanding the universe.....it's more than that.

How Could More Dimensions Exist?

Physicists use theories like string theory to connect the universe's forces, including gravity and electromagnetism, through extra dimensions. The Kaluza-Klein theory attempts to unify these forces by adding a hidden fifth dimension. This extra dimension is compact and not directly observable.

Why Does This Matter?

Physicists use theories like string theory to connect the universe's forces, including gravity and electromagnetism, through extra dimensions. The Kaluza-Klein theory attempts to unify these forces by adding a hidden fifth dimension. This extra dimension is compact and not directly observable.

Jaishree, 3rd Year, CSE A

Life

Covered in blood, connected by a thread,
Cut off and thrown on a barren ground.
Where the soil soothes my pain and strife,
Even when I cried dry, hitherto was my life.
it broke my neck, yet still, it mends,
Through the cold night, where darkness
descends.
It holds the warmth as dusk draws near
A quiet strength, in silence clear.
Wreaks the storm, with fury it strikes
Lightning dances, as thunder spikes



Floods the ground, where roots shoot
deep,
Leaves unfurl, and from the earth, they
leap
Yet the grey has not left the sky,
It rules my gaze, as moments fly by.
In the blink of an eye, time swiftly
sweeps,
But the ground, once more, in stillness
sleeps.
Shooting back its shot, the cycle spins,
As life renews, the healing begins
From blood and tears, the earth will
rise,
In the shadow of storms, hope never
dies.



Poem By: Ashwin K, 3rd year CSE B

Pictures: Nilesh J, 2nd Year CSE A

கல்வியின் ஒளி விளக்கு

**கற்க கசடறக் கற்பவை கற்றபின்
நிற்க அதற்குத் தக**

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குறள் விளக்கம் :

மு.வ : கல்வி கற்க நல்ல நூல்களைக் குற்றமறக் கற்க வேண்டும், அவ்வாறு கற்ற பிறகு, கற்ற கல்விக்கு தக்கவாறு நெறியில் நிற்க வேண்டும்.

**உவப்பத் தலைக்கூடி உள்ளப் பிரிதல்
அனைத்தே புலவர் தொழில்.**

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குறள் விளக்கம் :

மு.வ : மகிழும் படியாகக் கூடிபழகி (இனி இவரை எப்போது காண்போம் என்று) வருந்தி நினைக்கும் படியாகப் பிரிதல் புலவரின் தொழிலாகும்.

**தொட்டனைத் தூறு மணற்கேணி மாந்தர்க்குக்
கற்றனைத் தூறும் அறிவு.**

- 396

குறள் விளக்கம் :

மு.வ : மணலில் உள்ள கேணியில் தோண்டிய அளவிற்ரு நீர் ஊறும், அதுபோல் மக்களின் கற்றக் கல்வியின் அளவிற்ரு அறிவு ஊறும்.

கல்வியின் ஒளி விளக்கு

**ஒருமைக்கண் தான்னற்ற கல்வி ஒருவர்
கெழுமையும் ஏமாப் புடைத்து - 398**

குறள் விளக்கம் :

மு.வ : ஒரு பிறப்பில் தான் கற்றக் கல்வியானது அப்பிறப்பிற்கு மட்டும் அல்லாமல் அவனுக்கு ஏழுபிறப்பிறப்பிலும் உதவும் தன்மை உடையது.

**தாமின் புறுவ துலகின் புறக்கண்டு
காழுறுவர் கற்றறிந் தார். - 399**

குறள் விளக்கம் :

மு.வ : தாம் இன்புறுவதற்குக் காரணமான கல்வியால் உலகமும் இன்புறுவதைக் கண்டு, கற்றறிந்த அறிஞர் மேன்மேலும் (அக் கல்வியையே) விரும்புவர்.

**இழுக்க லுடையுழி ஊற்றுக்கோ லற்றே
ஒழுக்க முடையார்வாய்ச் சொல். - 415**

குறள் விளக்கம் :

மு.வ : ஒழுக்கமுடைய சான்றோரின் வாய்ச் சொற்கள், வழுக்கல் உடைய சேற்று நிலத்தில் ஊன்றுகோல் போல் வாழ்க்கையில் உதவும்.

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