

*The
Official Newsletter
of Computing
Technologies*

SMART SPRINKLERS

Quarterly Edition | Vol 2 | Issue 2 | Oct - Dec 2022



Editorial Message



Dear Bibliomaniacs!

"We take photos as a return ticket to a moment otherwise gone." – Katie Thurmes !!!

Smart Sprinklers, A Dias of Excellence in bringing out everybody's creativity, achievement and what not within the last quarter of 2022. It is highly special that when you row the boat of innovation and intelligence in the knowledge ocean of Computer Science, Smart Sprinklers whistles and spray its secrets in volume.

We are always committed to attracting and retaining diverse talent; creating a collaborative environment open to the free exchange of ideas, where learning, creativity, innovation can flourish and ensuring students can achieve their full potential. We see lot of hidden potentials booming out of the box due to enthusiastic approach of our department.

Of course the challenges are there in plenty, at every step, but we are un-deterred, committed and determined to win... nothing but to win. Past failures will, in no way deter us from abandoning the path leading to success. We are continuously analyzing the shortcomings and trying to plug the holes to come up with better deliveries to our stake holders. We know this is the time to stand apart from the lot and undoubtedly WE will.

Smart Sprinklers sprig your hands, bind your eyes with the knot of events, publications, student programs, workshops, hackathons, Faculty development programs, new lab initiatives, Inter-collaborative programs, cultural programs, Festivals and so on...

I congratulate the Editorial team members on their successful effort to bring out the Smart Sprinklers for this last Quarterly Edition 2022. I hope that e-Newsletter shall prove to be a genuine reflection of the major accomplishments of our Department and more members shall show their interest in it.

Our Doors and Windows are open to receive Breeze and storm simultaneously to grow ourselves behind the screens!

Dr. B. Amutha
SCO-Newsletter-Head
Department of Computing Technologies

Newsletter Team



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Newsletter Coordinator



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Contents

Editorial Message

About the Department

PhD Awardees

Gallery of Appreciation (Students / Faculty)

Students Achievements

Career News

*Activities (Association / Clubs/ Professional
Society)*

Faculty Corner:

Upskilling

Collaborative Projects

Research Happenings

Domain Verticals

Publication Highlights

Faculty External Activity

Alumni Engagement



Message from Head of Department



Dr. M. Pushpalatha

Professor and Head
Department of Computing Technologies

I am enthralled to pen this Message at the beginning of the New Year 2023.

The Newsletter - SMART SPRINKLERS is the artifact of the Department of Computing Technologies outcome from October 2022 to December 2022. It showcases the proven records of the students in Academia, Placements, Hackathons, Projects, and Sports accomplishments. Students' leadership caliber is portrayed in initiating clubs and organizing several prolific events under the banner for fellow students' benefit.

Faculty members' initiatives for social causes at the individual level and as a team under different schemes suggested by the Institute are highly commendable.

As the demand for Computer Science is raising day by day, professional tuning becomes mandatory to fit in the real-time environmental purpose.

My Best wishes to the faculty members and Students to grow high in their respective fields and help others to grow.

"Courage is like a muscle. We strengthen it by use." —Ruth Gordo

About the Department

The Department of Computing Technologies (CTECH) fosters the future of the computing world. The department's mission is to advance, evolve, and enhance Computer Science and Engineering fundamentals to build the intellectual capital of society. The CTECH Department endeavours to be an important regional, national, and international resource center for the development of Computing and its applications. The department is excelling by keeping up the pace with recent trends and evidence of exponential and exhilarating growth. CTECH boasts a vibrant student body of nearly 5000 undergraduates, 50 postgraduate students, 100+ research scholars, and a stellar faculty of professors.



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.



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.



Ph.D Awardees



Ms. R. Anita

Evidently, the years of hard work and dedication has finally resulted in the most significant fruit you have ever wanted. Many congratulations on your degree. Family of Computing Technologies wish that all the goals that you have set become more attainable, especially now that the biggest dream of your life has already come true. Best wishes on your achievements.

Ms. R. Anita

Title: Tamil Ilakkiya PakuppÄyvu: A Semantic Interpretation Framework for Thirukural, Naladiyar and Tamil Proverbs Using Rule Based and Machine Learning Techniques

Research Supervisor: **Dr.C.N.Subalalitha**



Dr.C.N.Subalalitha

New Joiners

We are delighted to have you all among us. Our good wishes on becoming part of our enthusiastic team.

Dr. G. Balamurugan
Assistant Professor

Dr. S. Sivakumar
Assistant Professor

Dr. S. Nalini
Assistant Professor



Congratulations to Malavika Bansod for ranking India No. 1 in Women's Singles



BANSOD MALVIKA PRABODH from III CSE,

Won Gold medal at V.V.Natu Memorial Senior All India Ranking badminton tournament, Pune, NOV 2022.

Won south zone for SRM University, This is the first time where SRMIST made history by winning the south zone Intervarsity badminton tournament.

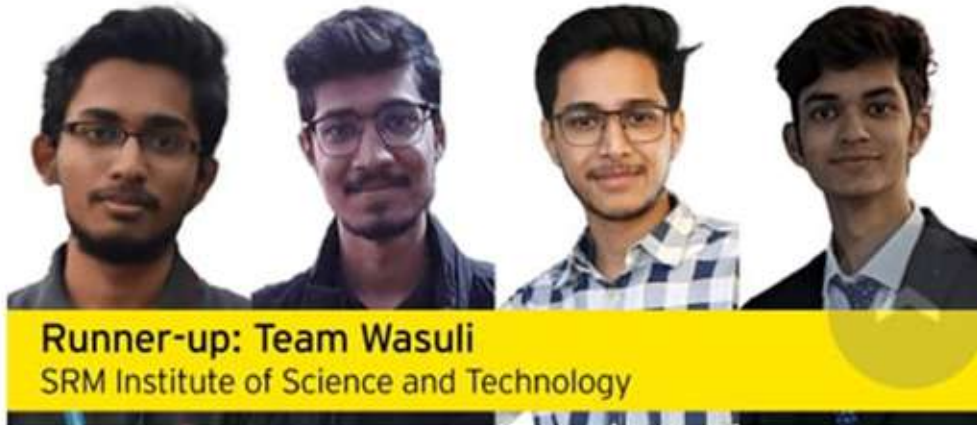
India Number 1 in Women's Singles on 31st October, after the recently revised rankings of BAI

In Hylo Open Super 300 event in Saarbrücken, Germany, Bansod Malvika RA2011003011385 played the Quarter Finals by beating Clara Azurmendi of Spain (World Number 36) in the first round- 20-22,21-12,21-6 and Kirsty Gilmour of Scotland (World Number 18) in the Pre Quarter Finals 24-22,19-7

Won Silver medal in the individual event at the 36th National Games, Surat, Gujarat, Oct 2022.

Won Bronze Medal for Maharashtra in the team event at the 36th National Games, Surat, Gujarat, Oct 2022

Congratulations to Team Wasuli for winning 2 lakh rupees



G K Dvijesh Raghav, Mayank Rai, Pranav Kumar, and Sarvottam Kumar Mishra, taken part in EY Techathon 3.0 in October and in January were the finalists followed by semi-finalists. The results are out now and we secured the 2nd position and won a prize worth 2 lakh rupees.

T. Dinesh won the badminton singles championship.



T Dinesh, from III year

WON Badminton Men's singles at TLK Sports Academy, NBA Badminton Academy, and Rohan Badminton Academy, Chennai

Congratulations to Team Rudra, who finished eighth in the International Rover Design Challenge!



Nitin Nagar, Srishti Chatterjee, Rishita Seetha Aruna S, and Shashwat Ganesh of II year have participated as members of Team Rudra and secured the 8th position in the International Rover Design Challenge (IRDC) 2022, a space research and innovation competition organised by the Space Robotics Society (SPROS).

Congratulations to Utkarsh for winning TigerHacks 2022!



UTKARSH, RA2111003010852 from II CSE M1 Section won the BEST USE OF AUTH0 at TigerHacks 2022 and at Hack from the Past 2 for the project titled "The Lost History", Best Resource for Businesses track prize at Neighborhood Hacks 2 for the project titled "The Business Network", at Thehacktrical 2 for the project titled "Theatre M

Best Domain Name from GoDaddy Registry under project titled "SCREEN2BRAILE",

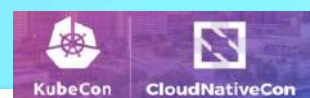
GOT ACCEPTED as a Mentee in the Winter of Blockchain.

Congratulations to the team for winning the Nasscom Academic Grand Challenge 2022



The team, consisting of Vedant Singh, Viraj Agarwal, Chetas Shree Madhusudhan, Kartikey Mahawar, and Rajendra Sarpal from the III year, worked tirelessly to come up with a winning solution to the complex problem statement and won the Nasscom Academic Grand Challenge 2022, sponsored by Wells Fargo.

Congratulations to Anubhav Vardhan for participating in KubeCon + CloudNativeCon Europe 2023!



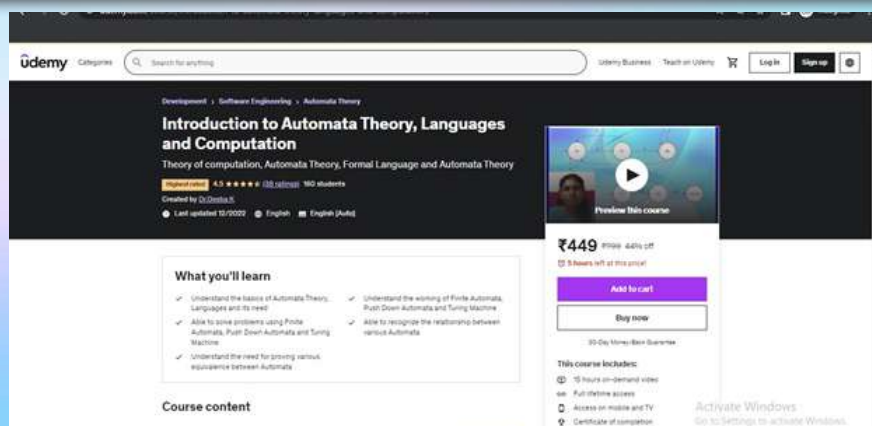
Anubhav Vardhan is the recipient of Dan Kohn Scholarship Fund of USD\$2,500 by The Linux Foundation to attend KubeCon + CloudNativeCon Europe 2023, from April 18–21, 2023 @ Rai Convention Center, Amsterdam, The Netherlands, for the contribution to Cloud Native Computing Foundation (CNCF) projects in the Open Source Community.

Congratulations to

Dr. K. Deepa for successfully posting Udemy courses.



Dr.K.Deeba Published new self learning online course “Genetic Algorithm Concepts and Working”, in Udmey. She also hosted a course on “Introduction to Automata Theory, Languages and Computation” on Udemy Platform. It is a 15h on-demand video with 7 sections and 65 lectures. The Course Content covers up Theory of Computation, Automata Theory, Formal Language and Automata Theory.



Career News

The placement season for the batch: 2019-23 is started and successfully moving on for the 17 sections of UG students. 780 students enrolled for campus placement, 199 students opted for higher studies and 1 student is interested in entrepreneurship. Two companies named; Anand Group, UIDAI and Hexagon provided 6 internship offer respectively. Till date, 173 companies visited SRMIST for recruitment process and 132 companies has offered the placement opportunity.

35
Marque
366
Super Dream
336
Dream
532
Day Sharing
06
Internship
Total Offer
1275
Unique Offer
718

ACHIEVEMENT CATEGORY	SEC	FACULTY ADVISOR
Section with highest Total number of Offers	C1	Dr. U. Karthikeyan
Section with highest % of Unique Placements	G1	Dr. G. Usha
Section with Highest Number of Marquee Offers	C1, F1	Dr. U. Karthikeyan, Dr. M. Kanchana
Section with Highest Number of Super Dream Offers	D2	Dr. P. Selvaraj
Section with Highest Number of Dream Offers	G1, I1	Dr. G. Usha, Dr. R. Yamini
Section with Highest Number of Day Sharing Offers	H1	Dr. K. Alice

Comparison for Last 3 years


Highest Salary
44.14 Lakhs PA
Amazon Wow

Congratulations

to

Marquee Placed Students



Aditi Khaitri



Aaditya Prakash



Aditya Shukla



Anmol Mittal



Ashutosh Kumar



Avad Agarwal



Bidyut Biswas



Dinesh Varma



Eeshan Dutta



Eishita Gupta



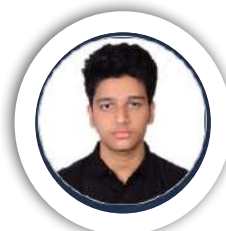
Harsh M



Harshit Raj



Mallika Sharda



Mohammad Hasan



Oishwarjya



Aditi Khaitri



Rishabh Sharma



Ritesh Kumar



Rohan Sachdeva



Sagnik

Congratulations to Marquee Placed Students



Sanjanaa



Sanskriti



Shambhavi



Shubham Kumar



Siva Gowtham



Swarnabha



Tapish Sharma



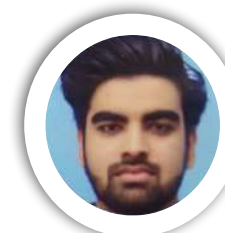
Tushar Krishna



Varun Sriteja



Abhuday Mishra



Anmol MittalDas



Harshit



Krishna



Shaurya



Vivek Kumar

“There’s nothing better than achieving your goals, whatever they might be”

– Paloma Faith

Students Achievements

Our students have demonstrated their skills and talents through various events and competitions they have organized and participated in. Few in a frame:



Samuel Prabhakar, RA2011003010454 from III CSE G1 Section, won DATAKON 2k22, conducted by the department of Data Science and Business Systems of the SRM Institute of Science and Technology on the 14th of November 2022.



Aditya Singhal, III CSE F2 section, secured third place in the Neo Codeathon event held on November 10, 2022, at SRMIST.

Tushar Srivastava, RA2011003011342, from the III CSE J2 Section participated and won the E-Summit along with Tridib Ghosh and Khushi Srivastava. They pitched their ideas in front of Mr. Anuj Batra and cleared the first round with flying colors. In the final round of the E-Summit, we pitched our ideas in front of Mr. Anuj Batra, Mr. Shantanu Patil, and Mrs. Mirdula Chhetri and won the summit.



Awairal Jaiswal, I CSE F2 Section, won the football tournament "Goal Rush" conducted by seniors of SRMIST. Although there were teams in their third and fourth years, our first-year team, "Warriors FC," won the championship and a \$5,000 cash prize.

Shiven Singh, RA2011003011375 from III CSE J2 Section bagged third position with prize money of INR 1000/- in a hackathon organized by ECE ASSOCIATION SRMIST.



Vanshika Agarwal from II CSE F1 won first prize in the HACK2LEAP 22 competition.

Megha Dua, I CSE F2 Section, won the 2nd position in FASHON, organised by SHURU'22 at the SRM Institute of Science and Technology, Kattankulathur.



Kolipakula Vamsi Krishna, RA2011003011291 of III CSE I2, has secured second place in the coding competition organised by We Code, Graphic Era Hill University, Bhimtal, India, in association with Universitas Raharja, Tangerang, Indonesia, on November 19, 2022.

Kshitij Rathee of the I CSE G1 section participated in SRM RUN 6.0 and came in 4th place.



Kavisha Arora from the I CSE G1 Section participated in the "SKILLUP JS WITH DEVTOWN" bootcamp conducted by "DEV TOWN" and organised by CYBORG CLUB and SRMIST Ramapuram from 12-12-2022 to 19-12-2022.

Saransh Mishra of the II CSE E1 Section, finished in the top 25 of the Neo Codethon event on November 10th, 2022 Edition.

Aryan Khamesra, finished in the top 25 of the Neo Codethon event on November 10th, 2022 Edition.

Pasapala Bhuvanesh from the III CSE D2 Section successfully completed my AWS Cloud Practitioner Certification.

Aryansh Jain, RA2011003011235, from III CSE H2 Section completed the Advanced Certification Program in "Backend Software Development" issued by IIT Roorkee

Aryaman Adivya Singh, RA2011003011266, and Ayush Poddar, RA2011003011279, of III CSE I2, had successfully completed the blockchain development of an underdeveloped technology called "Hyperledger Fabric." This is part of a student project titled "Collecting Network Traffic in the IoT System" under the student internship programme with La Trobe University, Australia, from August 2022 to October 2022.

Isha Singh from the II CSE E2 Section successfully completed the certifications for AWS Academy Cloud Foundations and AWS Academy for Data Analytics.

Vardhan Yadhav from CSE G1 competed in the Newton's Triwizard Contest.

Vardhan Yadav of the I CSE G1 section completed the programme "Artificial Intelligence with Python," organised by Coincent, from November 10th, 2022 to January 10th, 2023.

A V SessaSai from the I CSE G1 Section participated in the workshop based on Python and personality development, which was conducted by Enduro for three months.

Apoorv Khanna from the I CSE G1 section participated in the Newton's Coding Challenge during October 2022.

Ayush Raj from the I CSE G1 section successfully completed a free online course on Google Colab Python.

Manav Saxena from the CSE G1 section successfully completed the course with a theoretical and practical understanding of Kotlin.

Vardhan Yadav from the I CSE G1 section has completed the Udeemy course on "C Programming for Beginners" during December 2022.

Vardhan Yadav from the I CSE G1 section has successfully cleared the assessment for the skill Python (basic) in HackerRank.

Karthik Paliwal from III CSE A1 Section successfully completed the Graduate Rational Internship Program at the Sparks Foundation.

Shreya Ranjan from the II CSE E1 Section participated in the Olympiad in Mathematics, Physics, Chemistry, and "Precise Energy" for students of the Kudankulam NPP Region.

Shreya Ranjan from the II CSE E1 Section completed training in "Basics of Javascript Programming."

Shreya Ranjan from the II CSE E1 Section participated in the Project Management using Agile: Microsoft workshop at Aarush'22 in SRMIST, KTR.

Nandhini Agarwal from II CSE M1 Section took part in organising "The Data Science Hack" in September 2022.

Revathi P. RA2011003011348 of the III CSE J2 Section was the winner of the DATAKON-2022, organised by the Department of Data Science and Business Systems at SRMIST.

Revathi P. RA2011003011348 from the III CSE J2 Section participated in Hacktoberfest 2022 by submitting four pull/merge requests.

Rishab Singh Sahil, RA2011003011334, from the III CSE J2 Section, created product road maps, wireframes, and front-ends for clients and earned \$3.25 lakh in three months.

Preumal from the II CSE K1 Section participated in the DevTown Bootcamp. Python in Machine Learning.

Aryan Hedao from II CSE K1 Section successfully completed "CISCO: Introduction to Cybersecurity" and "Introduction to Data Science."

Akash B., RA2111003010748, from II CSE K1 Section, successfully completed the course titled "Machine Learning Foundations" and got certified with a badge from AWS Academy.

Parshva Jain of the II CSE K1 Section finished Java Programming at GreatLearning.

Devanshu Yadav from II CSE K1 Section mentored the students, taught them Graph-QL using ApolloClient, and also assisted the technical team in managing and solving their doubts.

Aditya Verma from I CSE G1 Section got ranked 1st in SRM Photography Competition.

PranavMalakar Secured AIR171 in Innovate India Coding Championship (IICC), which was one of India's Comment end biggest coding challenges, organized by AICTE

AryanKhamesra Olympiad on Mathematics and Statistics conducted by IITM BS Maths and Stat academic cell

Aryan Khamesra Secured a spot in top 25 rank in Neo Codethon held on 10th Nov, 2022 Edition, SRMIST, KTR.

UTKARSH, RA2111003010852 from II CSE M1 Section SUCCESSFULLY COMPLETED THE HACKTOOBER FEST and also got certified by ALTRIX MICRO FOUNDATIONS



Aditya Verma
I Year - G1



Faculty Achievements

The faculty members of our department are working diligently to enhance the department in various ways. We are honored to highlight a few of their accomplishments

Patent Granted

An Indian patent has been granted to Dr. J. Nithyashri and Dr. A. Devipriya for the title "IOT Integrated Printer" in 2022.

Patent Published

Maria Nancy A, Renuka Devi R, Veena S, Vinoth N.A.S, Usha G, Alice K, Pandeewari B, Sindhuja M, Published an INDIAN PATENT titled "An Emotion Based Music Recommendation System And A Method Thereof"

Dr. Anitha K and Mr. Himanshu Sharma published a patent in India titled "Reinventing Innovation Management: The Impact of Self-Innovating Artificial, in August 2022.

Dr. M. Baskar and Dr. A. Suresh published a patent titled "IOT Weather Signal Monitoring" on November 19, 2022.

Dr. T. Abdul Razak and Dr. R.S. Ponmagal have filed an Indian patent for an IoT-based face mask detection and body temperature measuring device, which will be available on October 1, 2022.

Dr. Renuka Devi and Vinoth NAS Maria with Nancy Usha G published a patent in Intellectual Property India, A System And A Method For Processing Decentralized Employee Payroll 2022.

Dr. Sindhuja M. and Dr. Renuka Devi published a patent in Intellectual Property India entitled "System and Method For Implementing An Unmanned Aerial Vehicle For Crop Production, 2022."

Dr. Aruna M. and Ms. Geetha S. K. published a patent in Intellectual Property India, "Air Pollution and Quality Monitoring System Using AI and IOT," December 2022.

Dr. C. Vijayakumaran published a patent titled "Machine Learning based System for Predicting Depression using Social Media Post", Date of Publication: 25/11/2022

Dr. M. Kanchana- Identification of Corona Virus Infection using DNN and Image Processing - Patent Published on 18.11.2022.

Dr. M. Kanchana -Network Security for SDN-based Cloud IoT Using Deep Learning- - Patent Published on 23.12.2022.

Faculty Upskilling

Dr. Niranjana G has successfully completed Foundation educator training as a part of the Blue Prism Academia Program in the field of Robotic Process Automation.

Dr. Bhaskar M. has presented a paper titled “Car Price Prediction” in the 4th International Conference on Information Management and Machine Intelligence held on December 23–24 at the Poornima Institute of Engineering and Technology, Rajasthan.

Dr. R. Anto Arockia Rosaline attended a 6-day FDP on X-Reality technologies using UNITY organised by CIT, SRMIST, and Kattankulathur from December 17th to December 23rd, 2022.

Dr. M. Suganiya attended a 6-day FDP on X-Reality technologies using UNITY organised by CIT, SRMIST, and Kattankulathur from December 17th to December 23rd, 2022.

Dr. R. Anto Arockia Rosaline and Dr. M. Suganiya attended a 15-day FDP on “Advanced Methods of Research” organised by the Sathyabama Institute of Science and Technology from November 14 to November 30, 2022.

Dr. M. Suchithra, Dr. R. Vidhya, Dr. B. Arthi, Dr. Aruna M, Dr. R. Anto Arockia Rosaline and Mr. Balamurugan G completed a 5-day FDP on “Inculcating Universal Human Values in Technical Education” hosted by AICTE from December 5 to December 9, 2022.

Mr. Saminathan S has successfully completed the course on “Introduction to Computational Logic,” organised by Udemy.

Dr. K. Vijaya participated in a two-week short-term training programme on cryptography in quantum computing organised by the Departments of CTECH, SRMIST, and Kattankulathur from October 7 to October 21, 2022.

Dr. Ganavel S participated in a two-week short-term training programme on cryptography in quantum computing organised by the Departments of CTECH, SRMIST, and Kattankulathur from October 7 to October 21, 2022.

Mrs. Brindha R has successfully completed the course on “Introduction to Automata Theory, Languages, and Computation” organised by Udemy.

Dr. Gnanavel S has successfully completed the course on “QR Code Generator Using Javascript” organised by Udemy.

Dr. Deeba K has completed the online course “Psychology of Everyday Life,” which was organised by NPTEL, Swyam.

Dr. K. Anitha attended the FDP on Virtual Labs, which was organised by the PALS-VLABS Initiative in collaboration with NITK Surathkal, from November 9 to November 11, 2022.

Mr. Prabushankar has successfully completed the online course on “Cloud Computing” organised by NPTEL, Swayam.

Dr. Soubralu Sivakumar has successfully completed the online course on “Introduction to Machine Learning,” organised by NPTEL, Swayam.

Mr. Karthikeyan has successfully completed the online course on "Remote Sensing and Digital Image Analysis," organised by the Indian Institute of Remote Sensing, Dehradun.

Dr. Pretty Diana Cyril has successfully completed the online course on "Remote Sensing and Digital Image Analysis," organised by the Indian Institute of Remote Sensing, Dehradun.

Dr.R. Anto Arockia Rosaline and Mr. Balamurugan G has attended a 5-day online FDP on emerging trends and technologies in cyber security from November 14th to November 18th, 2022, organised by the Madanapalle Institute of Technology and Science.

Dr. R. Anto Arockia Rosaline, Dr. J. Nithyashri and Mr. Balamurugan G has participated in the National Intellectual Property Awareness Mission on October 26, 2022, organised by the Intellectual Property Office.

Mr. Balamurugan G was certified as an "Oracle Cloud Data Management 2022 Certified Foundations Associate" on October 13, 2022.

Mr. Balamurugan G attended a 5-day STTP on Intelligence at the Edge organised by the ACM-W Chennai Chapter, SRMIST, and Kattankulathur from November 7 to November 12, 2022.

Mrs. Maria Nancy attended a 5-day FDP on "Data Science: Tools and Research" organised by VIIT Pune from November 1 to 5, 2022.

Dr. Anita has successfully completed the CSEDU course titled "Effective Teaching of Machine Learning," conducted by IIIT Delhi.

Dr. Vidhya R., Dr. Nagadevi S., and Dr. Kalaivani J. have successfully completed the CSEDU course titled "Effective Teaching of Introduction to Programming" conducted by IIIT Delhi.

Mr. N.A.S. Vinoth successfully completed the course titled "Blockchain Essentials" from COGNITIVE CLASS, an IBM developer skills network.

Mr. N.A.S. Vinoth received a certificate of recognition from Oracle Certified Foundations Associate for successfully completing the course titled "Oracle Cloud Data Management 2022 Foundations Certified Associate."

Dr. R. Renuka Devi, Dr. M. Sindhuja, and Mr. N.A.S. Vinoth have participated in the Two-Week Short Term Training Programme on Cryptography in Quantum Computing from October 7th to October 21st, 2022, organised by the Theoretical Computer Science Research Vertical, Department of Computing Technologies, SRMIST.

Dr.R. RenukaDevi, Dr.M. Sindhuja, and Mr.N.A.S. Vinoth successfully completed the online course "Basics of Remote Sensing, Geographical Information System, and Global Navigation Satellite System" conducted by the Department of Space, Government of India, the Indian Institute of Remote Sensing, and the Indian Space Research Organization (ISRO).

Mrs. A. Maria Nancy attended a 5-day FDP on "Data Science: Tools and Research" at VIIT, Pune, from November 1-5, 2022.

Dr. R. Renuka Devi, Dr. M. Sindhuja, Mr. N.A.S. Vinoth successfully completed the online course "Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System" conducted by Department of Space, Government of INDIA, Indian Institute of Remote Sensing, Indian Space Research Organization (ISRO)

Consultancy Project

Dr. Ponmagal R. S. was awarded a consultancy project from Accuplast Engineering Pvt. Ltd. for the amount of Rs. 44,000.

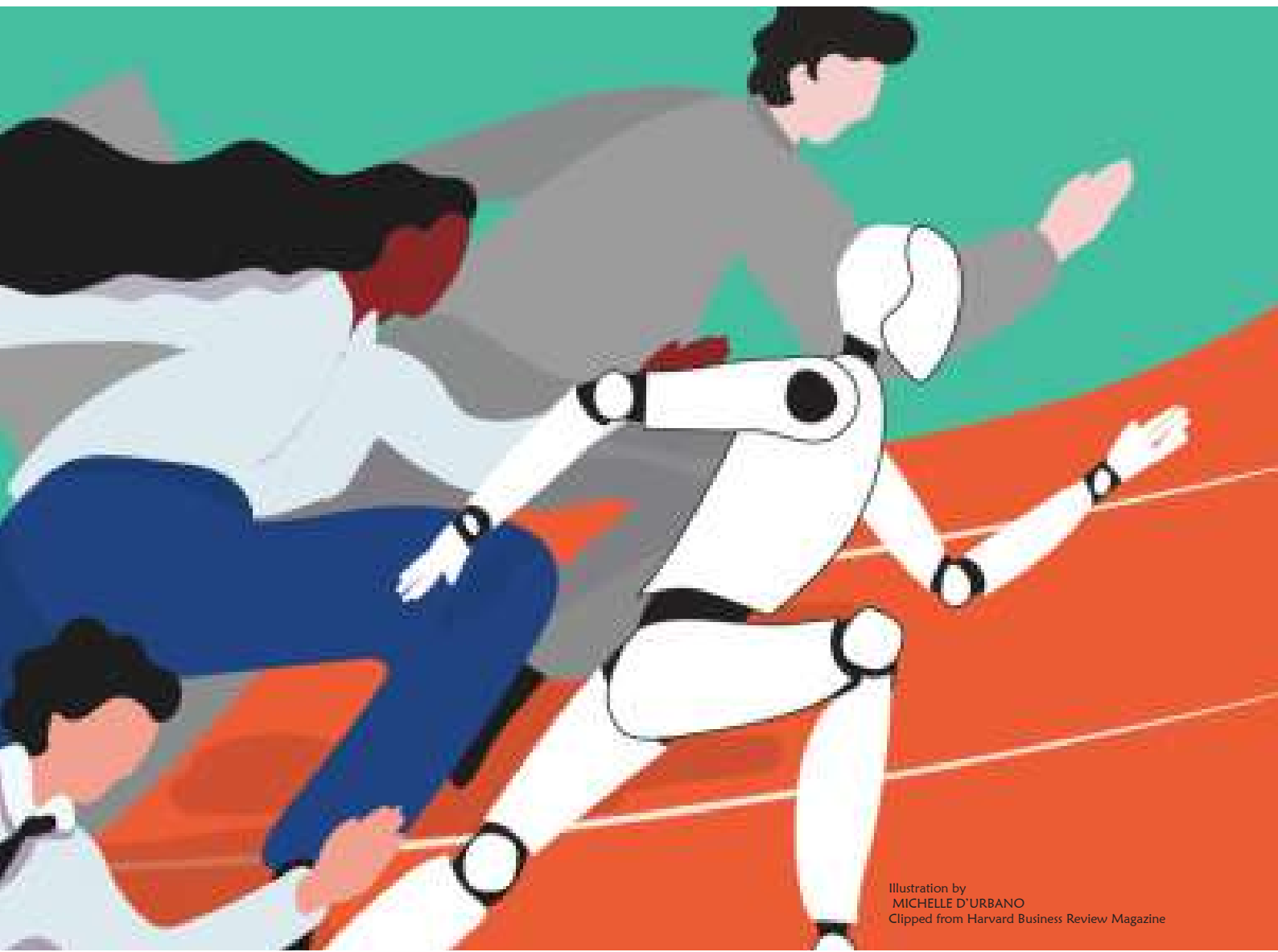
Dr. Kowsigan M., Dr. Jebakumar R., Dr. Babu, and Dr. Sivakumar B. have successfully completed the consultancy project from EazyThings Technology for the project titled "Relay On/Off Controller Design for Smart Industry Automation" for a value of Rs. 1,01,200.

Dr.R. Renuka Devi was awarded a consultancy project for the project titled "Data Compilation, Traceability of Metering System, Delivery System, Supply System, and Dispense system to Improve the Management of Business Processes" from CFD Technologies for the amount of Rs. 75,000.

Dr. Baskar M, Dr.Godfrey Winster S and Dr Pradeep Mohan Kumar S was awarded a consultancy project from Wings Technologies for the amount Rs. 76000.

Dr.P Saranya ,Mrs.Kiruthika Devi has successfully completed the consultancy project from Geosensing and Imaging Consultancy for the project titled "Object Detection from the Remote Sensing Images" for a value of Rs.30000.

Dr.R.Renuka Devi, Mr. N.A.S.Vinoth, Mrs. A. Maria Nancy, Received appreciation for Successfully completing the Consultancy project worth 18,000 INR, from CFD Technologies.



Research Publication

Faculty members from the Department of Computing Technologies at SRM Institute of Science and Technology (SRMIST) have had articles published in high impact journals, as listed below:

Total Number of Papers published and indexed: **93**

Total Number of SCI papers published and indexed: **34**

Total Number of Scopus papers published and indexed: **59**

Highest Impact Publication

Faculty Name	Paper Title	Journal Name	Impact Factor
Dr.Shiny Irene D , Dr.Nancy p	An IoT based smart menstrual cup using optimized adaptive CNN model for effective menstrual hygiene management	Artificial Intelligence Review	9.588
Dr R I Minu	A Statistical Non-Parametric data analysis for COVID 19 incidence data	ISA Transaction	5.91
Dr.Ramamoorthy S	Optimized Path Planning Strategy to Enhance Security under Swarm of Unmanned Aerial Vehicles	Drones	5.532

"Everything is theoretically impossible until it is done"
- Robert A. Heinlein

Faculty External Activities

Notable Roles

Dr.R.Anita,Assistant Professor delivered a guest lecture on Data processing and analysis using python programming Speaker in FDP at Valliammai Engineering College, Chennai on 2nd to 6th January 2023.

Dr.S.Gnanavel, Associate Professor, has been deputed as the Doctoral Committee Member for the Scholar Mr.Manikandan J, whose provisional registration is under Anna University 2022

Dr.S. Gnanavel, Associate Professor, delivered a guest lecturer Block Chain, advanced method of research, at Sathyabama institute of science and technology, Chennai on 16 November 2022.

Dr.S.Babu, Associate Professor, was appointed as the Author of the Question Paper for the End-Semester Examinations held in September 2022, Sri Manakula Vinayagar Engineering College, Puducherry.

Dr.G.Balamurugan,Assistant Professor, Reviewer 2nd International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2022) Banaras Hindu University, Varanasi, India in hybrid mode during December 22-24, 2022.

Dr.G.Balamurugan, Assistant Professor was appointed as the Author of the Question Paper for the End-Semester Examinations held in December 2022, Jerusalem College of Engineering, Chennai.

Dr.R.Anto Arockia Rosaline,Assistant Professor, Speaker for the session titled "Enrichment of Design Thinking- Aspirations for Innovations" in the One week virtual Faculty Development Program on Emerging Research Trends in Computing Technologies Organized by Dr.MGR Educational and Research Institute on 30-11-2022.

R.S.Ponmagal Associate Professor, External - DC panel Member at Loyola college, Chennai on 21 October 2022.

Dr. K. Vijaya Associate Professor, Reviewer for ANTIC 2022 conference , Banaras Hindu University, Varanasi, India during December 22-24, 2022.

Dr.B.Arthi, Assistant Professor, Reviewer for ANTIC 2022 conference, Banaras Hindu University, Varanasi, India during December 22-24, 2022.

Dr.K Geetha,Assistant Professor, Reviewer for ICCSP - 2023 conference, SSN-Chennai,India during January 04 - 06, 2023.

Dr. M. Baskar,Associate Professor was appointed as a Reviewer for sci journal, December 2022

Dr. M. Baskar,Associate Professor was appointed as the Author of the Question Paper for the PG End-Semester Examinations held in October 2022, Rajiv gandhi national institute of youth development,Chennai.

Dr. M. Baskar,Associate Professor was nominated as the member of scrutinizing board for designed for examining the question papers, November 2022, Vel Tech, C hennai.

Dr. Sindhu C,Assistant Professor,Reviewer for ANTIC 2022 conference , Banaras Hindu University, Varanasi, India during December 22-24, 2022.

Faculty Event Participation

On October 20, 2022, Dr. R. Renuka Devi, as the single point of contact for the SRM-UI Path collaboration, attended the academic leaders round table session with UI Path Bangalore and the ICT Academy.



Dr. Renuka Devi R and Mr. N.A.S. Vinoth took part as delegates in the 3rd ASSOCHAM India Smart Data Centers & Cloud Infrastructure Summit 2022 (Chennai) on November 10, 2022, Thursday, representing the department of computing technologies, the school of computing, and the SRM Institute of science and technology.

Mr. Vinoth and Dr. Renuka Devi paid a visit to the DRDO Heavy Vehicle Factory in Avadi to kick off the industry-institution collaboration efforts.



Books Published

Dr. C. Vijayakumaran published a Book Chapter titles "Comparison of Region of Interest and Cortical Area Thickness of Seizure and Hemosiderin – Affected Brain Images" in the text book "Computational Imaging and Analytics in Biomedical Engineering", CRC Press - ISBN hard: 978-1-77491-471-7

Visnu Dharsini S, Babu S, Book Chapter Title Named "A MODEL TO DETERMINE MSP AND ITS EFFECTS ON PRODUCER(S) RISK" Futuristic Trends in Computing Technologies and Data Sciences, ISBN: 978-81-959356-3-5, IIP Proceedings, Volume 2, Book 18, Part 1, Chapter 1.

Ramamoorthy, S., & Janani, K. (2022). Defending IoT Security Infrastructure with the 6G Network, and Blockchain and Intelligent Learning Models for the Future Research Roadmap. In Challenges and Risks Involved in Deploying 6G and NextGen Networks (pp. 177-203). IGI Global.

Dr.Devipriya A published Book titled "Just Start Python" Name of the Publisher: Visual Soft India Pvt Ltd, ISBN No: 978-93-91462-46-8, Date of publication: 30.11.2022.

Dr.R.Thamizhamuthu, Published book titled "Recent Trends in Intelligent Automation and Computing Techniques", Dipti Press OPC Pvt Ltd, ISBN no 978-93-94639-07-2 Date of publication 08/12/2022

Dr.S. Gnanavel, Published book titled "Data Structures and Algorithms", Scientific International Publishing House ISBN on 978-93-5625-453-4

Dr. G. Usha, Mr. N.A.S. Vinoth, and Mrs. A. Maria Nancy Published as a book chapter 9: "The Future of Artificial Intelligence in Digital Forensics: A Revolutionary Approach," in Artificial Intelligence and Blockchain in Digital Forensics, River Publishers, 2022, pp. 133–152.

“Virtual reality is the first step in a grand adventure into the landscape of the imagination.”
- Frank Biocca, Taeyong Kim, & Mark R. Levy

International Collaboration

Winter Meet at National University of Singapore

Dr M Suchithra , Associate Professor , visited National University of Singapore, Singapore during December 2022 to meet Dr LING Tok Wang , Emeritus Professor, School of Computing ,NUS to encompass a professional networking . Insightful discussion on “Native Database Management Systems and its importance” was held. She went on NUS campus tour to experience the vibrant infrastructure. She also participated at the Valedictory function of the ‘Global Academic Internship Programme’ hosted at the NUS. It was a 3-week Programme organized by SRMIST and Corporate



Dr M Suchithra, Associate Professor has been collaborating actively as Faculty Mentor for the students team (Aryaman and Ayush Poddar of 3rd Year) in the research project “Building a Blockchain Using Hyperledger Fabric” which is part of their students internship program, and has been supported by the supervisor, Dr Doan Nguyen, LaTrobe Univeristy , Melbourne , Australia



FDP / Workshop Organized

Pre-Conference Workshop conducted by Dr. S.S. Sridhar and Research Scholars at the Second Biennial Conference on Cognitive and Clinical Neuropsychology (BCCCN) Hands-on session with BCI kits (Neurosky and Muse) hosted by the Department of Clinical Psychology, SRM Medical College Hospital, and Research Center.



Mr. Arulprakash organised a workshop for the faculties to raise awareness of intellectual property rights and successful commercialization. M. Madhanraj, a reputed speaker from the Government of India and also the examiner of the patents, gave the speech.



The Accelerated Computing Research Group, Department of Computing Technologies, School of Computing, SRMIST, successfully conducted a two-day blended mode national workshop on "Hands on Parallel Programming (OpenMP, MPI, TensorFlow and GPU)" during October 27–28, 2022.



The Dept. of Computing Technologies, SRM IST, KTR, Chennai, has conducted a 24-hour hackathon titled HACK2LEAP'22, sponsored by CCC (Campus Corporate Connect) and Isource, from October 28 to October 29, 2022. It was a national-level hackathon, and student teams from various quarters of our country participated. All participants received participation certificates, and winners received cash prizes of Rs. 1 lakh for the first prize, Rs. 50000 for the second prize, and Rs. 25,000 for the third prize.



The department's "CTech Association Inaugural Ceremony" took place on November 9th, 2022. The objective of the association's inauguration is to inculcate a sense of technical curiosity amongst the students. It promotes the art of engineering and allied sciences around the globe. The association was inaugurated by Mr. G. Sathyaseelan, Vice President, Ashok Leyland, Chennai, in the presence of the HOD, the association convener, the coordinator, and the students.



Dr. Pretty Diana Cyril coordinated a faculty awareness programme on "universal human values" on November 30 and December 19, 2022, as NEP 2020, which gives importance to value-based education, and the AICTE, which insists all universities incorporate universal human values (UHV) as a part of the curriculum in all disciplines.



The School of Computing Technologies organised a 7-day (15th December to 21st December 2022) FDP programme on Programming for Problem Solving for all Faculty jointly with Codetantra Tech Solutions Pvt. Ltd. at the TP 14th Floor IMAC Lab. This 7-day FDP was attended by faculty from various departments. This FDP was aimed at training the faculties who are handling programming for problem solving in our university. After inauguration, Day 1's morning session was handled by Mr. Tomesh Jain, CodeTantra instructor, who gave an orientation programme about the CodeTantra platform where the special features of the CodeTantra platform were discussed for all faculties.



A 12 days STTP program on - Cryptography in Quantum Computing has been organised by Dr.K.Vijaya, Dr.S.Godfrey Winster and Dr. J.Ramkumar from 07/10/2022 to 21/10/2022



IET Accreditation Orientation for Department Coordinators was conducted. Dr. S. Sridhar, Prof., CTech, discussed preparations for accreditation, documents, procedures, and templates, and the AHEP-4 standard orientation Mapping of IET Learning Outcomes to Courses Under BTech 2021 Regulation



A one-day “workshop on preparing video lectures using OBS Studio” was organised for the faculty members of Computing Technologies on December 22, 2012. Dr. B. Baranidharan explained in detail the significance of video lectures for the students and how to make an effective video lecture for a topic using OBS Studio. Also, significant features available in OBS Studio were explained and demonstrated to the faculty members.



A two days national seminar sponsored from INSA was conducted successfully on Dec 7-8, 2022. INSA funded Rs.50,000 to conduct the event. The event was organised by Dr.G.Usha



“Innovation needs to be part of your culture. Customers are transforming faster than we are, and if we don’t catch up, we’re in trouble.”
- Flan Schafer

Bureau of Indian Standards: Students Club

Bureau of Indian Standards (BIS) is the National Standard Body of India established under the BIS Act 2016 for the harmonious development of the activities of standardization, marking and quality certification of goods and for matters connected therewith or incidental thereto.

SRMIST BIS Club's inauguration function was held on 15th December 2022 at SRMIST-KTR. The programme was presided over by Dr T.V. Gopal, Dean/CET, Dr Revathi Venkataraman, Chairperson/ SCO, Dr M. Pushpalatha, Head/CTECH, SRMIST along with the chief guest Mr. Sathish Vaidyanathan, Senior Director/ Software Development at Paypal, the officers from BIS shri Uma Shankar Prasad Yadav, deputy director general, southern regional office and Smt.G.Bhavani, Scientist "E"/ Director & Head, Chennai Branch Office- I & II, Bureau of Indian Standards, Southern Regional Office, Chennai, Dr S.Poornima, Assistant Professor/CTECH, Club mentor. The Inaugural function was telecasted on the Doordarshan television channel. BIS Standards Club was inaugurated online mode on 11-11-2022. Mr.B.J. Gowtham, Scientist – C, BIS, Chennai Branch Office-II, Southern Regional Office delivered the inaugural address.



Activities under the Standards Club

Quality Walk / Run Event was organized on 16th Oct 2022 @ 7 am to commemorate World Standards Day (14th October) covering the distance from Anna University to Guindy, via Sardar Patel Road.



Manak Manthan Programme is cited by BIS as part of an awareness programme for students and faculties regarding several technical domains for the development of new standards and amendments to existing standards. One such programme was held on 26-10-2022 at 9:30 am in Hotel Turyaa, Perungudi, Chennai for students. Another event was organized for faculties on 31-10-2022 at 3:00 pm for a Discussion on Indian Standards for "Physical Activity, Sports and Injury Management – Guidelines for Safety in Educational Institutions and Community Sports Academies" as per IS 1793: 2022.



BIS students club of SRM Institute of Science and Technology organized an awareness programme on "Standardization in Computing Technology" on 28th November 2022. Mrs Anirita Hemrom, Scientist-B, Chennai Branch Office-II, BIS, Chennai presented the talk. The club students Karan Gupta and Diptayan Jash presented a report on SRMIST-BIS club activities.



Manak Manthan Programme is conducted by BIS on 29-11-2022 from 10:00 AM to 3:30 PM about Discussion on Indian Standards for “Potable Water Bottles (Copper, Stainless Steel, Aluminium) - Specification” as per IS 17803: 2022



Club Activities

IE(I) STUDENTS' CHAPTER CORNER

Getting Started as an Entrepreneur on November 8, 2022
The Chief Guest, Mr. Sai Kwoshik Dulipala, is currently a 3rd year student of B.Tech in Computer Science Engineering at SRM University and the Chief Administrative Officer of Tech-Fabs, a start-up for website development and deployment, including media and marketing, and the operations manager at Kreator 3D Printer and Solutions Pvt Ltd.

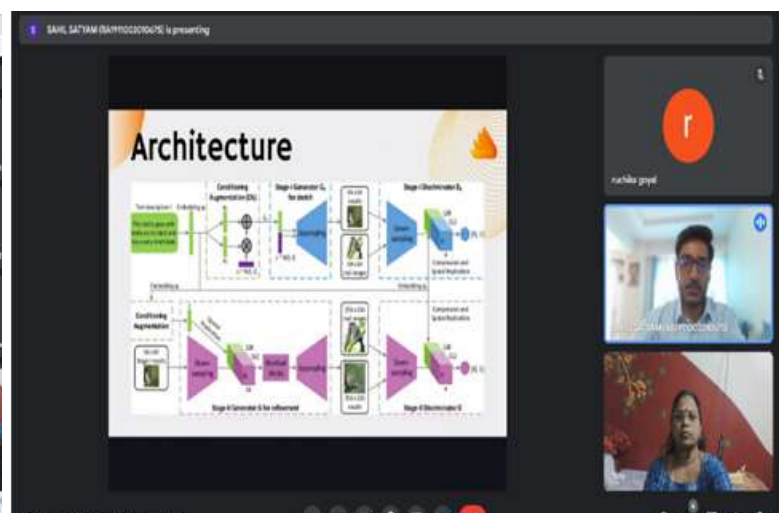
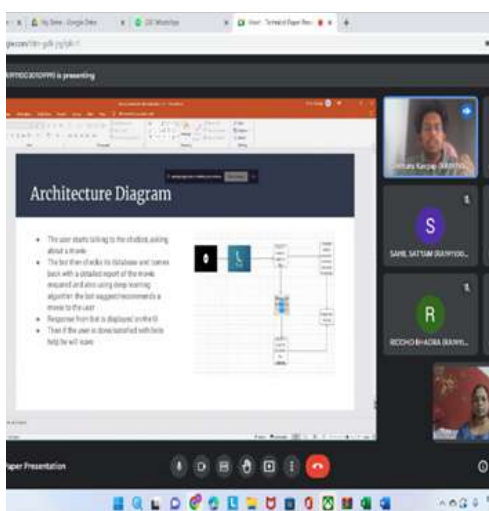


PAPER PRESENTATION

The paper presentation was organized to enhance the research and analytical skills of the students in their respective specializations in the department of Computing Technologies.

Top three Best Papers:

1. Dr.P.Akilandeswari, Riddho Bhadra, and Neil Rajeev John got the best paper Titled “Car Crash Detection and Alert System”
2. Sowmiya B and Sahil Satyam got the bestpaper Titled “Photo Realistic Image Synthesis Using GANs”
3. J.Jayapradha and Ruchika Goyal got the best paper Titled “Application for Sales Team”



Accelerated Computing



A short glimpse of progress by Accelerated Computing

A memorandum of understanding has been planned with Futurenet Technologies, and Mr. Josh from Futurenet has met with all members of the HPC vertical team on 4.1.2023.

A memorandum of understanding with CDAC and the Department of ECE and Networking is planned and proposed.

A proposal was submitted to iHub titled "Hygienic Communication: Enabling Secure Quantum Channels for Cramped Cyber Jaunts."

Dr. Amutha B participated in a two-week short training programme on "Cryptography in Quantum Computing" from October 7th to October 10th, 2022, at SRMIST.

Dr. Ponmagal R. S. and Dr. Nagadevi S. participated in a two-week short training programme on "Cryptography in Quantum Computing" from October 7th to October 21st, 2022, at SRMIST.

Dr. Nagadevi S gave a technical talk on "ERA of Change: Artificial Intelligence and IOT using Google Cloud Core Infrastructure" for a two-day FDP.



SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution, Accredited by NAAC with 'A' Grade)
Kuniyamuthur, Coimbatore - 641008




Department of CSBS and AI&DS

We Cordially Invite You all for the

Two Days - FACULTY DEVELOPMENT PROGRAMME
ERA OF CHANGE - ARTIFICIAL INTELLIGENCE AND IOT USING
GOOGLE CLOUD CORE INFRASTRUCTURE



Mr. ETB Samule Jigme Harrison
Semiconductor Professional
(Senior Member - IEEE)
Singapore



Mr. S. Sai Subramaniam
Practice Head - Cloud Systems
Global Knowledge Pvt Ltd
Bangalore



Dr. S. NAGADEVI
Assistant Professor,
Department of Computing Technologies, School of Computing,
SRM Institute of Science and Technology, Kattankulathur

Date : 22nd DEC and 23rd DEC Time : 10:00 AM to 04:00 PM G-Meet Link : <https://meet.google.com/ssh-dhjc-crm>

Visual Computing



Funded Projects

Dr.Devipriya A, Dr. Arthi B, Dr. Aruna M applied for a Seminar Grant for the Indian Council of Social Science Research Southern Regional Centre worth Rs. 4,45,000.00 under the title "Azadi Ka Amrit Mahotsav - International Level Seminar on Role of Technology in Propelling Socio-Economic Growth of our Nation."

Industry Collaboration

Dr. Arthi B, Dr. Aruna M, Dr.Devipriya A received acceptance for a consultancy work from Kartan Technologies Pvt. Ltd

“Advances in the technology will make this experience more and more immersive by responding to all of our senses -- users will be able to feel and smell, not just see and hear the virtual environment.”

-Ekke Piirisild

Advanced Multilingual Computing



Dr. V. V. Ramalingam, Associate Professor has got a Consultancy Project worth of Rs. 1,00,300.

Mr.Swaminathan, Assistant Professor has published a paper on, "Emotion Driven Chatbot Using Natural Language Generation Techniques" along with the authors, M. S. Solanki, L. Singh Panwar and C. Malathy, "," 2022 in the International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) held at the Department of Computer Science and Engineering, St. Joseph's Institute of Technology (Autonomous), Chennai, Tamil Nadu, India, during 15 - 16, July 2022, pp. 1-3, doi: 10.1109/ICSES55317.2022.9914235.

This paper is scopus indexed appears in www.ieeexplore.org conference Added to iee in oct 2022

Invited Talks Given by Dr.Subalalitha C.N

"Hands on Session on Natural Language Processing " in Saveetha Engineering College, Chennai on 7.10.22

"Hands on Session on Vision Transformer" in IIITDM , Kancheepuram on 9.11.12

Invited Talk on Unsupervised Learning and Transfer Learning in Hindusthan College of Engineering, Coimbatore on 15.11.12

Hands on session on, "Handling Multilingual Texts" in the International Conference on Speech and Language Technologies for Low Resource Languages on 23.11.22 hosted at SSN College of Engineering, Chennai.

Handled a session in AI FDP at SRM IST for Non CSE faculty on "Machine Learning" on 2.12.22

Handled a Session on "Writing Effective Research paper" in Vellammal Engineering College, Chennai on 13.12.22

Invited Talk on, "Tamil Computing for Social Causes" focusing on the research on Tamil Tweets for LGBTQIA community at Tamil Internet Conference today, hosted at Periyar Maniammai Institute of Science and Technology on 16.12.22.

Theoretical Computing



Dr.Arunachalam presented a paper titled "Snow Leopard Optimization Algorithm-Based Energy Efficient Cluster Head Selection in Internet of Things in 7th International Conference on Advanced Computing and Intelligent Engineering conducted during 23rd and 24th December 2022 organized by DRIEMS(Autonomous) Engineering College,Cuttack,Odisha,India.



Prof.Venkatesh Raman of IMSc gave a special Lecture on Effective Course Delivery of Data Structures and Algorithms to DSA handling faculty members on 31st october,2022.



“Research is seeing what everybody else has seen
and thinking what nobody else has thought.”
- Albert Szent-Györgyi

Okrishi Centre of Excellence in Quantum Information and Computing

Two weeks STTP:

Two weeks short term training program on cryptography in Quantum Computing (7/10/2022 to 21/10/2022).

Two days Seminar:

Department of Computing Technologies conducted a two-day National Seminar in association with INSA, Govt. of India ;Advances and Challenges in Quantum Communication and Teleportation" on December 7 and December 8, 2022.

Technical Talk as a Resource person from <SQ QuIC>

Dr.Gayathri .M has delivered a session on STTP on cryptography in quantum computing@ SRM Institute of Science and Technology,Kattankulathur. (oct 17 2022)

Dr.Pushpalatha.M has delivered a session on Quantum cryptography at Srikrishna college ,Coimbatore(Dec 21 2022)

Dr.Gayathri.M has delivered a hands-on session in BB84 PROTOCOL at Srikrishna college ,Coimbatore(Dec 21 2022).

<SQ QuIC>Webinar: (Industry Experts Talk)

November (IBM Expert)

Topic: Quantum Advantage through non local games: Nobel prize 2022

Speaker: Dhiraj Madan, IBM Research

Abstract: Dhiraj Madan, IBM Research, will talk on "Entanglement; the most pertinent topic in quantum made famous by this year's Nobel Prize in Physics

Date: Wednesday, Nov 2, 2022

December: (NVIDIA)

Dr.Manish Modani, NVIDIA, talk on;Quantum Computing Simulation Acceleration Using NVIDIA GPUs

Dr Manish Modani has 17+ years of industry experience in solving complex scientific and industry challenges using High-Performance Computing (HPC), Artificial Intelligence (AI), HPC-AI, Quantum Computing, Visualization etc.In the talk, Dr. Manish Modani discussed the acceleration of Quantum Computing Simulators using current (A100) and previous (V100) generation GPUs. The performance advantage for the commonly used quantum algorithms Shor and QFT were demonstrated. @6.30 PM IST | 15th December 2022*

Quantum challenge:

Dr.P.C Karthick from <SQ |QuIC > has obtained his Intermediate batch from IBM for solving the prestigious IBM Quantum Challenge Fall 2022.

Quantum Computing Club: Quantum Computing Club SRM is formed for students to enrich their knowledge on quantum.(November 2022)

S.Surya Prakash (RA2011030010137 -NWC, and Kalaiyarasan S RA2011003010421-CTECH from Quantum Computing Club SRM has completed a online workshop "Quantum Computing & Programming " Using QWorld's Introductory tutorial Bronze Qiskit. It is recognized as QBronze Diploma conducted by QWorld (November 2022)



S.Surya Prakash



Kalaiyarasan S

QUANTUM HACKATHON:

we have got a special mention award in quantum hackathon organized by quantum ecosystem Technology, Council of India.Q3DPredictor is team (Harishankar P.V) which participated as part of SRM Qkrishi Center of Excellence in Quantum Information and Computing lab((Harishankar P.V)). Out of 1152 teams SRM Qkrishi has bagged the fourth place as special mention.

Quantum Computing Club: Quantum Computing Club SRM is formed for students to enrich their knowledge on quantum.



Faculties work with Industry project along with Qkrishi mentors and Interns

< SQ|QulC> Lab Quantum Projects Ongoing

S.no	Industry project	Faculties involved
1	Anomaly detection	Dr.Ramkumar, Dr.Gnanavel
2	Precision Agriculture	Dr. Shanmugam, Dr.Bipin
3	Portfolio	Dr.MGayathri, Dr.Kavishankar, Dr.Ramya
4	Forex	Dr.PC Karthik, Dr.Sandhya Dr.Sornakokila
5	Recommendation System	Dr.U Karthikeyan, Dr. C.Vijaykumaran, Dr.N- alini
6	Electricity Theft	Dr.Thilagavathy Dr.usha
7	Post quantum Cryptography	Dr.Pretty diana Dr.Ramesh

Industry project	Faculties in- volved
Portfolio optimization	Dr. Gayathri.M, Dr.Kavishankar, Dr.Ramya
Credit scoring	Dr.Thilagavathy Dr.Usha Dr.Nalini
Dr.Usha	Dr.Ram kumar Dr.Shanmugam Dr.Gnanavel
Dr.Nalini	Dr. Bipin Dr.Ramesh Dr.U.Karthikeyan Dr. Pretty Diana Cyril

FDP

Dr G Ramya and Dr M L Sworna Kokila has participated Faculty Development Programme on “PRACTICAL QUANTUM COMPUTING” sponsored by Ministry of Electronics and Information Technology (MeitY) GoI organised by E & ICT Academy ,NIT Warangal and M.O.P Vaishnav College for Women(AUTONOMOUS),CHENNAI DURING DEC 19- DEC 22,2022

Event Showcase

Celebrating the season

The school celebrated Christmas, which reminded the staff and students about the reason for the season. Dr. Revathi Venkatraman, Chairperson, SOC, felicitated the function with a cake cutting. The Department of Computing Technologies and our Head, Dr. M. Pushpalatha, lightened the function with active participation. Students and staff dynamically performed through dances, skits, mimes, and songs.



Outbreak for faculties

The School gave a big stretch for all faculties through sports and games. The faculties from C-Tech enthusiastically participated in all games.



Social Media Workshop

The School was keen on giving awareness about social media handles of the School and the department. Hence a workshop was arranged for all the faculties of the School to prepare them to be active in social media. Now, all our social media links are glowing with eminent followers along with their insights. Faculties from the department of C-Tech along with other departments of SOC took the lead as resource persons.



Alumni Connect

We take pride in the fact that our alumni hold esteemed positions in society, and we enjoy maintaining connections with them. We had a few meetings with our alumini:

12

**OCT
2022**

What Strengths Do You Bring To Placement Interviews?

Ms. BhavanaSundar is a data engineering specialist who has worked on various GE projects to improve data integrity at GE Power over the last two years. She passed out of the SRM Institute in 2021. Bhavana spoke about how to prepare for placement interviews and what additional skills are needed.



31

**OCT
2022**

Make your future better with Placements

Sharan Jaiswal is a backend software developer for Barclays Global Service Centre, Pune. He is a member of the Credit Loan and Lending Technical Team. Sharan spoke on the topic "Placement: A Way Forward to the Future." He talked about the importance of placement. Some of the talk's essential points centred on the positives and not the negatives. Be grateful that you have an arrangement. Think of the bigger picture. At the end of the talk, he answered all the questions asked by the students.



17

**NOV
2022**

Insight into Data Analytics and Machine Learning

An enlightening session by Mr. Mayank Nagda, a talented Research Associate at TU Kaiserslautern, Germany, Mr. Sankalp Sinha, an exemplary Research Assistant at TU Kaiserslautern, Germany, and Ms. Aditi Arora, an impeccable person holding a degree in M.Sc. Informatics, TU Munich Data & Business Intelligence, Siemens, Germany.

They imparted students with in-depth knowledge of Data Analytics and Machine Learning, one of the most rapidly developing fields in today's world. As one of the most requested sessions, the students and the speakers were enthusiastic and curious. Everyone was engaged, and we had a very interactive and fantastic session.



09

NOV
2022

Career Path to Reach High Paying Jobs in Software Industry

Mr. Rahul Suresh is the front-end leader and has worked with Unacademy for the last two years. He worked as a design engineer on various unacademy projects, building premium products. He passed out of the SRM Institute in the year 2020. Rahul spoke about the salary packages in the IT industry and how to get placed in grade 1 companies that recruit only from IITs and NITs. He also clarified all the doubts raised by the students..



What Strengths Do You Bring To Placement

Kishore Jagan Jothikumar is a Search Language Specialist at Qualitest, Austin, Texas, USA, supporting Google. He completed his B.Tech. in computer science and engineering at SRM University. He is an experienced software developer with a vast history of working in Data Analysis. He is an optimist and a strong information technology professional with a master's degree focused on computer science from Arizona State University. He assisted the Quality Assurance intern at Tata Consultancy Services with a sentiment analysis project. He enlightened the students on how to face the placements and laid out the strengths needed for the placements. He clarified all the doubts and concerns raised from the perspective of a student's mindset.



The way for research excellence: Industry Perspective

On December 17, 2022, the SRM Institute of Science and Technology organised a panel discussion on 'The Way for Research Excellence: Industry Perspective.' The alumni talk for the Department of Computing Technologies, SRMIST, was organised by the Directorate of Alumni Affairs. The event took place online on the Zoom application from 11:00 a.m. to 12:00 p.m. Mr. Ayush Tripathi, Senior Software Engineer (SDE), Oracle Cerner, Bangalore Mr. Kishore Jagan Jothi Kumar, Search Language Specialist, Qualitest, Austin, Texas, USA, Ms. Lekha Karthikeyan, Software Development Engineer (SDE), Amazon; and Dr. Hari Babu, Assistant Professor, Entrepreneurship Development Institute of India, moderated the event. The panellists discussed various avenues of research and the importance of multidisciplinary research. The panellist also pointed out that ethics must be followed when conducting good research.



Future Initiatives

As the next stage of the **SAMSUNG PRISM**, Memorandum of Understanding is renewed for the next three years (2022-2025), a PRISM Elite Service Agreement is being considered, as is a Rs. 2 lakh consulting project.

The Memorandum of Understanding has been initiated between the SRM Institute of Science and Technology, School of Computing, the Department of Computing Technologies, and **Oracle**. to implement the joint industry supported elective course. Dr. Revathi Venkataraman, Chairperson; Dr. M. Pushpalatha, HOD/CTech; Dr. S.S. Sridhar, Professor; Dr. A. Pandian, Associate Professor; and Dr. V.V. Ramalingam, Associate Professor are all involved in this Memorandum of Understanding.

Dr. Yamini initiated the MoU with **Rane NSK Steering System Private Ltd. (RNSS)**, Chennai. The objectives are industry-sponsored projects, internships, and FIIP for faculty and students. RNSS agrees to offer an internship for final-year undergraduate computer science students at SRMIST. SRM IST and RNSS agreed to collaborate on research to realise future projects as needed.

Dr. U. Dinesh Kumar, chairperson, **DCAL @ IIMB**, will lead the SRM-ASI student chapter in collaboration with IIMB organisers MASTER CLASS 2023 on January 31, 2023. The invited talk title is "Demystifying Artificial Intelligence." SRM-ASI is a student chapter committee that primarily focuses on the fundamental ideas of data analytics and artificial intelligence. The event is organised by Dr. S. Nagadevi

In collaboration with IIT-Bombay, our CTECH department is setting up the **e-Yantra Lab Setup Initiative (eLSI)**.

e-Yantra Lab Setup Initiative (eLSI) is a holistic approach to impart theoretical and programming knowledge. Provide hands-on experience to selected students and teachers through an online training program. Help colleges set up their own robotics labs. Organized by Dr. R.I Minu



Dr. Poovamal and Ms. Sowmiya initiated a MOU with **SiGeTech** for learning, building, and deploying embedded and robotic technology to automate real-world environments. This lab helps us in embedded system-based smart product design using ARM, full-stack educational reconfigurable robot development with ROS and AI, and smart product design using SolidWorks and 3D printing techniques.

Dr. B. Muruganandham initiated a MOU with **Indian central Railways**.

Dr. Poovamal and Ms. Sowmiya Ongoing memorandum of understanding for implementing the feedback portal. **Chennai Metro Rail Limited (CMRL)**: Faculty and student immersion programme

Saturday Talk

On 1.10.22, Ms. Ezhilarasi, a research scholar, presented a Saturday Talk with the title, "All about Analytics, with a hands-on session of Powerbi, a Data Visualization Tool."

Mr. Thanigaivelu Research Scholar, presented a Saturday Talk on the title "About IEEE membership and its benefits", 8.10.22

Upcoming Events

CATEGORY	TITLE	ORGANIZER	DATE
Training for Non-Teaching	Mobile Application Development	Mr.M.Karthikeyan	21-03-2023 to 22-03-2023
Capacity Building	STTP on Capacity Building of Women for Health Emergency and Disaster Management	Dr.E.Poovammal	06-02-2023 to 11-02-2023
Student Association	ULTRON 6.0	Dr.M.Murali	24-03-2023 to 26-03-2023
Project Conclave	Project Expo 2023	Dr.B.Sivakumar	23-03-2023
Workshop	Two days Workshop on Artificial Intelligence for Disaster Management	Dr.S.S.Sridhar	16-02-2023 to 17-02-2023
Workshop	Workshop on Machine Learning Techniques for Healthcare Image Analysis with hands-on	Dr.D.Malathi	01-02-2023 to 03-02-2023
Outreach Program	Women Empowerment program on Womens Health	Mr.Sibi Amaran	8th march 2023



FOURTH INTERNATIONAL CONFERENCE ON INTERNET OF THINGS (ICIOT 2023)

APRIL 26- 28, 2023

Organised by

**DEPARTMENT OF COMPUTING TECHNOLOGIES
SRMIST, KATTANKULATHUR, TAMIL NADU, INDIA**

ICIOT 2023 is being organised as an in person participation conference which is to be held at SRMIST, Kattankulathur Campus between April 26 - 28, 2023. The event will provide an excellent opportunity to share knowledge on new trends and challenges in emerging technologies and progress in standards on topics relevant to today's fast moving technology trends into Internet of things.

Topics to be covered

- IoT Solution Reference Architecture and Instances
- IoT Standard Application Scenarios
- Parallel computing for Industrial IoT
- Parallel processing system of IoT devices
- Cloud Computing (IAAS, PAAS, SAAS) for IoT
- Big Data for IoT
- Open Platforms for IoT
- Wearable Device for IoT
- Artificial Intelligence for IoT
- IoT-based Robots
- Security, Privacy and Trust in IoT
- IoT based Smart City Solution & Smart Home
- IoT in Transportation & Automobile & Intelligent Manufacturing
- IoT-based Smart Education System
- IoT-based Enterprise & Business Process Management
- IoT in Process Instrumentation and Automation
- IoT in Power Generation and Renewable Energy
- IoT in Design and Consumer Electronic
- Parallel processing of IoT in Health care Application
- Parallel processing of IoT in Agriculture Application

Conference Registration Fees

Indian Delegates

Type	Early Bird Registration	Registration
AUTHORS(STUDENTS, RESEARCH SCHOLARS)	Rs.3500	Rs. 5000
AUTHORS(FACULTIES AND DELEGATES)	Rs. 5000	Rs.7000

Conference Committee

CONFERENCE CHAIR/CONVENER

Dr. M. Pushpalatha, Professor and Head of the Department, Computing Technologies, SRMIST, KTR

CO-CONVENER (s)

Dr. S.S. Sridhar, Professor, Department of CTECH, SRMIST, Kattankulathur

Dr. K. Vijaya, Associate Professor, Department of CTECH, SRMIST, Kattankulathur

ORGANIZING SECRETARY

Dr. R. I. Minu, Professor, Department of CTECH, SRMIST, Kattankulathur

Important Dates

Paper submission deadline: 28/02/2023

Decision on Paper: 31/03/2023

Paper Submission Link:

<https://cmt3.research.microsoft.com/ICIOT2023/Submission/Index>

*The selected and presented papers will be processed

in

Scopus Indexed Journals



குறள் 419: நுணங்கிய கேள்விய ரல்லார் வணங்கிய
வாயின ராதல் அரிது.

**nuNangiya kaeLviya rallaar vaNangiya
vaayina raadhal aridhu**

'Tis hard for mouth to utter gentle, modest word,
When ears discourse of lore refined have never



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