

# SMART SPRINKLERS

Quarterly Edition | Vol 2 | Issue 3 | Jan - Mar 2023

The  
Official Newsletter  
of Computing  
Technologies





# EDITORIAL MESSAGE

Dear Comrades,



**T**oday I have compiled glimpses from the past quarter of events that happened in the Department of Computing Technologies. Each of our lives is full in its own way. Each of our lives has, if we have been consciously paying attention to what we need, what we wish to achieve and what type of relationships we hope to cultivate, has been designing a life that works and works excellently well, if a Department like Computing Technologies is concerned. Sometimes we will have to make tweaks along the way as we grow and gradually evolve into a better version of ourselves, outgrowing old ways and habits that no longer serve us. And because our Department needs our full attention, we can't always stop by our favorite destinations to find inspiration each day and to work beyond the Horizons.

The beginning of the calendar year is at its heart a fantasy of newness and clean slates—of the chance to do things differently and with more attention to purpose. In reality, it's also one of the most challenging times for us to concentrate on Accelerated Computing, Quantum Computing, Multilingual Computing, Visual Computing and Theory of Computation and sit straight into the plate-glass window of an overfull schedule.

We came across PhD Presentations, Edx, Udemy, NPTEL talks, Apple Programs, AICTE UHV programs, Samsung Projects, Alumni Talks, Patent Grants, Project Expos, Hackathon Winners, Sports Winners, Great Placement offers etc..., Which is all a collaborative effort with our favorite thinkers of think-tank of CTech, we hope, change industry practices in useful, principled ways with the unconditional support of our Head and the Authorities.

Birds tend to follow routines daily, just like we do tasks right on a schedule without even meaning to. Stretching, showering, eating breakfast, drinking coffee, reading the newspaper or online news sites. All these behaviors we do are almost ritualistic! Ever noticed that your bird takes his/her time to thoroughly enjoy a favorite food. Birds eat different than our canine companions. A dog is more inclined to gulp down a prized treat, while a parrot might very well take a good five minutes to eat a single blueberry. We humans can take a cue from our birds and take the time to enjoy our treat. Slow eating may also help people eat more mindfully and tune in to their feelings of fullness.

Let us do tasks in a slow and steady manner to finally win the Race of Technology. "Live for what's worth dying for, and leverage technology to create the world you wish to see.

Rely on ChatGPT still? AI-detecting tools can help teachers determine whether your submitted content was human-written or AI-generated.

Tune in to Your Bird's Daily Habits! Love to know your critics unconditionally for a better progression!!!

*Dr. B. Anutha*

SC0-Newsletter-Head

Department of Computing Technologies



**Dr. M. Suchithra**  
Newsletter Coordinator



**Dr. B. Kanisha**  
Proof Reader



**Dr. R. Renuka Devi**  
Proof Reader



**Dr. G. Ramya**  
Content Writer



**Dr. Thamizhamuthu R**  
Content Writer



**Mr. N.A.S Vinoth**  
Content Writer



**Mrs. M. Ranjani**  
Content Writer



**Dr. K. Kishore**  
Designer

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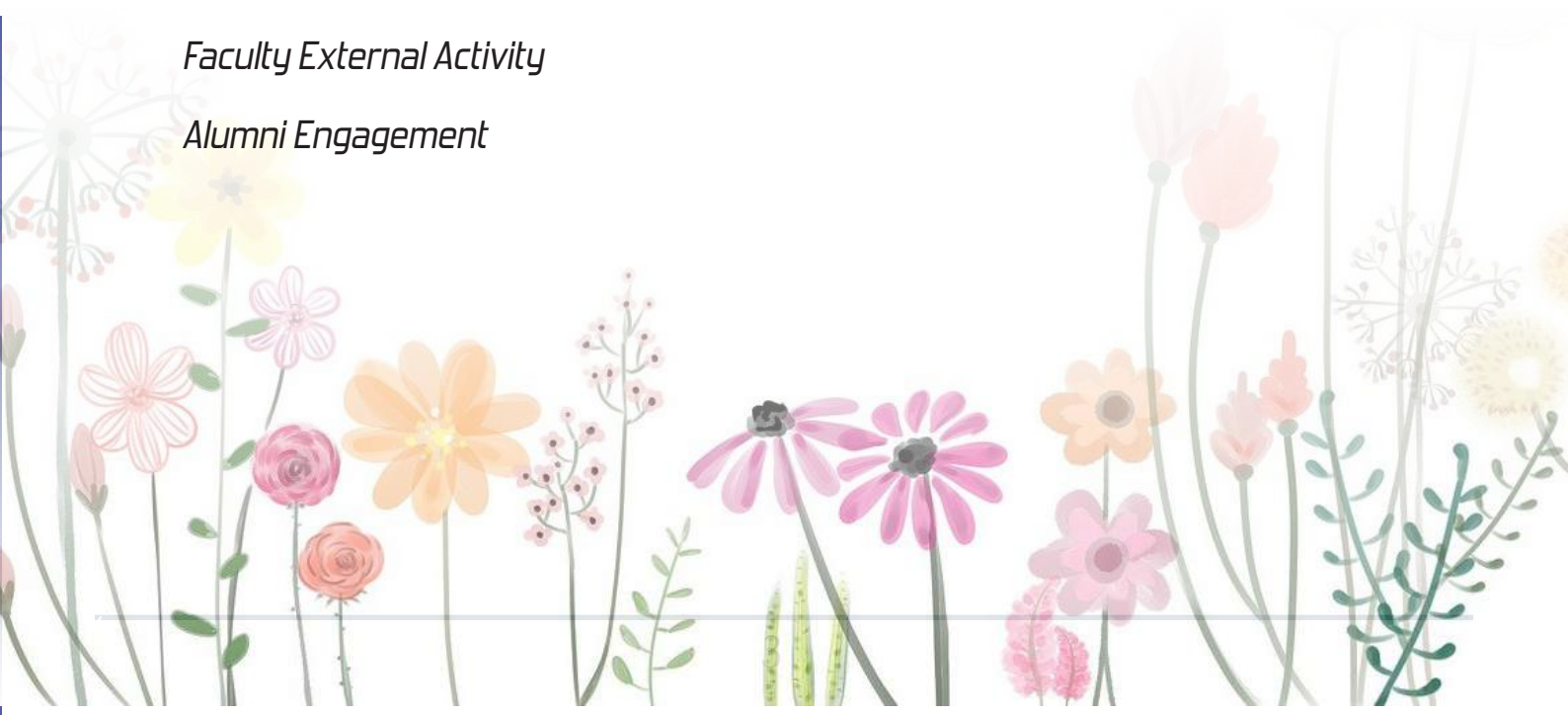
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## MESSAGE FROM HEAD OF DEPARTMENT



*Dr. M. Pushpalatha*

Professor and Head  
Department of Computing Technologies

Dear Readers,

Greetings!

As we approach the academic year 2022-23 closure, SMART SPRINKLERS: The Department Newsletter (Vol2 Issue3) bundles triumph scenarios during the month of January to March 2023 for our stakeholder's interest.

Alongside the new entrants and initiatives, we are happy to announce the Fourth International Conference on the Internet of Things-ICIoT'2023 from 26th - 28th April 2023. The conference is a testament to our department's commitment to academic excellence and an opportunity to strengthen our network, establish new collaborations, and enhance our reputation as a growing leader in the field. With pride, I invite all to join the August gathering and grace the occasion.

With Josh, I point the wits behind the research culture in the area of Quantum Computing, Natural Language Processing, Theoretical Computer Science, and Visual Computing. Many congratulations to the students for the overwhelming response in several fields of interest.

Wishing all success to the team behind the effort of bringing out this Newsletter.

Best regards,

**“Difficulties mastered are opportunities won.”**

*- Winston Churchill*

## 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

Evidently, the years of hard work and deication 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. Lavanya

Title: *Enhanced Movie Recommendation System Using Hybrid Multifactor Filtering Mechanism and Opinion Mining.*

Research Supervisor: **Dr. B. Bharathi**



### Mr. M. Karthikeyan

Title: *Real-Time Automated Systems based on IoT and Deep Learning Techniques*

Research Supervisor: **Dr. T. S. Subashini**



### Mr. G. Balamurugan

Title: *Abnormal Event Detection and Summarization in Video Surveillance using Deep Learning Model*

Research Supervisor: **Dr. J. Jayabharathy**



## NEW JOINERS

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

### Dr. S. Nalini

Assistant Professor

### Mr. V. Arulalan

Assistant Professor

### Mrs. V. S. Bakkialakshmi

Assistant Professor

### Dr. M. K. Vidhyalakshmi

Assistant Professor

### Dr. A. Arulmurugan

Assistant Professor

### Mrs. V. S. Saranya

Assistant Professor

### Dr. S. Ashwini

Assistant Professor



# HIGHLIGHTS

## Department Applauds Achievements and Efforts of Students and Faculties

### Barclays Data Stellar Hackathon 2023: SRM Computing Technologies Students Emerge Victorious



Barclays and HackerEarth jointly organized the Barclays Data Stellar Hackathon in 2023, where 22 teams consisting of 90 students competed. Four winners from SRM's Department of Computing Technologies secured interview opportunities for Barclays placements. Tanishq, Sanskar, Naman Kaushik, and Sajidullah Ansari, all third-year CTECH students, displayed exceptional skills and emerged victorious in the competition. Join us in congratulating these talented students on their remarkable achievement and wishing them success in their upcoming placement interviews with Barclays.

“

As a participant in the Barclays' Data Stellar Hackathon, I had an exhilarating experience working with my teammate, Sanskar Gupta. The event brought together diverse teams to solve real-world FinTech challenges. Over the weekend, we tackled the "Customer Onboarding" problem, focusing on issues faced during new bank account registration.

We worked tirelessly, leveraging our skills to develop an innovative solution. Late-night brainstorming sessions, coding marathons, and fueled by coffee, snacks, and a shared passion for innovation, we were constantly engaged in the process. Ultimately, our hard work paid off, earning us first place, an Alexa Echo Dot, direct interview passes, and recognition for our ingenuity and commitment to excellence.

The hackathon was both challenging and rewarding - an unforgettable experience that validated our dedication and provided an opportunity to take our ideas further.”



# HIGHLIGHTS

## SRM IST Entrepreneurship Cell (E-Cell) Shines in National Competitions and Hackathons



SRM IST's Entrepreneurship Cell (E-Cell) has been instrumental in fostering an entrepreneurial mindset among students, securing the All India Rank 4 in the National Entrepreneurship Challenge conducted by IIT Bombay. As part of an elite cohort, including E-Cells from IIT Bombay and IIT Madras, SRMIST students have attended entrepreneurship summits and networked with industry experts.

The technical team of E-Cell, SRMIST has also excelled in international hackathons, including EY Techathon 3.0, EthIndia, and EthDubai, and represented India in ICC's global cricket hackathon, ranking 4th globally. In addition, the team has mentored juniors in hackathons, equipping them with practical experience in technology and innovation. E-Cell, SRMIST remains dedicated to nurturing future-ready entrepreneurs.

### TEAMS FROM PES, SRM WIN EY TECHATHON

#### WINNERS

EY's annual Techathon for students saw over 5,000 registrations this year. The challenge was to develop novel solutions in the metaverse that can enable businesses to provide immersive experiences. The winning team won ₹3 lakh and the runner-up team won ₹2 lakh. Select participants will also have the opportunity to intern at EY. Mahesh Makhija, technology consulting leader at EY India, said the idea of the techathon is to hire bright young engineering talent to further fortify EY's 11,000 strong tech consulting practice.

The team of Aaryan Sandeep, Hari Ganesan, Sushant M Nair, and Karthik Nair from PES University, Bengaluru, was the winner. They created a digital twin of a construction project, an AR/VR-based project that helps minimise construction errors. It

shows the structural integrity of specific parts and also shows pipes and electrical lines for maintenance. "The competition was fierce and the level of talent was impressive, making the win even more rewarding," the team says.



#### RUNNERS-UP

The runner-up team of GK Dvijesh Raghav, Mayank Rai, Pranav Kumar and Sarvottam Kumar Mishra from SRM Institute of Science and Technology, built a meta-stadium. The team calls it a metaplex – a virtual venue featuring an NFT art gallery, a

virtual expo with live events, virtual office rooms and virtual factory simulations to balance work and play in the virtual world. The team says their success is a testament to the power of collaboration and the impact of mentorship in driving innovation.





# HIGHLIGHTS

## SRMIST Launches e-Yantra Lab in Collaboration with IIT-Bombay



On March 28th, 2023, the e-Yantra Lab Setup Initiative (eLSI) was inaugurated virtually by the Department of Computing Technologies at the School of Computing, SRM Institute of Science and Engineering, in collaboration with IIT-Bombay. Professor (Dr.) Kavi Arya, the Principal Investigator of the e-Yantra Project at IIT-Bombay, inaugurated the lab. Chairperson Dr. Revathi Venkataraman and HoD Dr. M Pushpalatha introduced the university and school during their inaugural speeches in the virtual forum. The collaboration aims to foster innovation and develop advanced computing solutions for a rapidly evolving technological landscape.

## Malvika Bansod's Impressive Start to the Year: Facing Top Players and Winning Awards



Indian badminton player Malvika Bansod had a noteworthy start to the year. In January, she competed against the world's number 2 player, An Se Young of Korea, in the Malaysia Open. In February, Malvika faced off against the current world number 8, Ratchanok Intanon of Thailand, during the Indonesia Open.

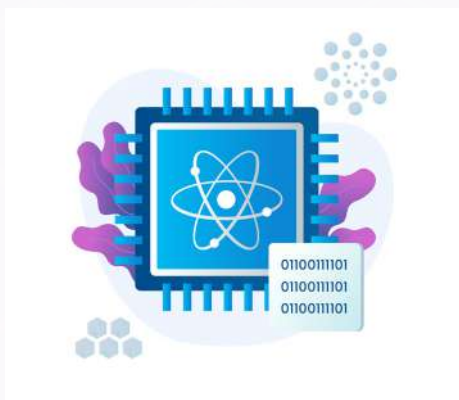
In March, Malvika was honored with the Lokmat Times Sakhi Sanman Award for her outstanding achievements in badminton. Unable to attend the ceremony, her mother received the award on her behalf. The young athlete's remarkable performances and accolades demonstrate her rising prominence in the sport.

## BIS Foundation Day Marked by Quality Connect Program for Students and Faculties



On January 7th, 2023, the Bureau of Indian Standards (BIS) commemorated its Foundation Day with a Quality Connect Program for students and faculties. BIS officers provided training on the door-to-door campaign, “Manak Mithra,” and educated participants on the use of the BIS CARE App. The program aimed to enhance awareness of BIS procedures and promote a culture of quality and standards in educational institutions. By equipping students and faculty with the knowledge and tools needed, BIS seeks to foster a deeper understanding of the importance of quality standards in everyday life.

## SRM Computing Technologies Students Secure First Prize for Quantum Data Protection Project



Naman Kaushik and Sajidullah Ansari, students from SRMIST, have won first prize for their innovative work on data protection using Quantum Key Distribution. Their project involved developing a secure system for encrypting and decrypting data with AES and BB84, as well as securely transmitting and decrypting data. The duo credits their success to the experience gained at SRMIST's Qkrishi Centre of Excellence in Quantum Information and Computing (SQ|QuIC)

and the support from the management and the HoD. Their achievement highlights the potential of quantum technology in enhancing data security and encryption.



# HIGHLIGHTS

## SRMIST KTR Campus Celebrates International Women's Day with Array of Events



International Women's Day (IWD), a global day honoring the social, economic, cultural, and political achievements of women, was celebrated with zeal at SRMIST Kattankulathur Campus. Beginning in the second week of February 2023, the campus organized a series of cultural, sports, and wellness events to mark the occasion and promote gender parity.

An internal committee comprising active coordinators from various schools within SRMIST Kattankulathur Campus collaborated to plan and execute the diverse events. Announcements about the celebrations began in early February 2023, with Dr. Arthi overseeing the coordination of the various activities. The enthusiastic participation in the events underscored SRMIST's commitment to empowering women and fostering an inclusive campus culture.

## SRMIST Hosts 6-Day STTP on Capacity Building for Women in Health Emergency and Disaster Management



Dr. E. Poovammal and Mrs. B. Sowmiya organized a six-day Short-Term Training Program (STTP) on "Capacity Building of Women for Health Emergency and Disaster Management (CBW'23)" at SRMIST. Dr. Simon Lynch, Associate Dean (International) from Teesside University, UK, inaugurated the event, which saw over 60 participants actively engaged in various sessions. The program included live demonstrations of self-defense, emergency rescue, and women's workouts, along with a field visit to Padur Ecology Park (EPIC). Owned and maintained by Rtd. IAS officer, Mrs. Santha Sheela Nair, the park visit enhanced participants' learning experience. The STTP aimed to help participants identify their strengths and areas for improvement.

## **Dr. M. Gayathri's Quantum Computing Course with The Linux Foundation Now Live on edX**



Dr. Gayathri MA's highly anticipated course, created in collaboration with The Linux Foundation, is now live on edX. This free, self-paced course is designed to teach the fundamentals of quantum computing and help learners build their capacity for conducting quantum experiments using cloud-based quantum computers.

As the first in a series of courses from the team at SRM QkrishiCoE in Quantum Information & Computing, this launch marks a significant milestone for the institution. Interested learners can enroll today and acquire valuable quantum computing skills by visiting <https://lnkd.in/dzdgbrYV>.

## **Ritika Gupta : A self driven off-campus Marquee Offer at Cisco with 20 LPA Package**



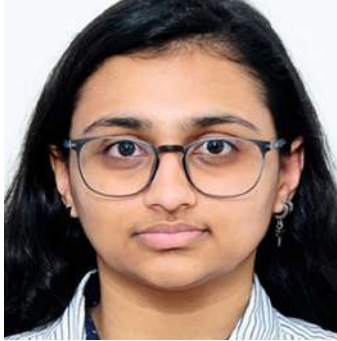
Ritika Gupta, a student of Computing Technologies, has secured a coveted position at Cisco through off-campus placement. With an impressive salary package of 20 LPA, this marquee offer highlights Gupta's exceptional talent and the outstanding education provided by the institution.

Cisco's recognition of Gupta's skills and potential demonstrates the opportunities available to students who excel in their studies and pursue placements beyond campus boundaries. The achievement serves as an inspiration for fellow students looking to build successful careers in the technology industry.



# HIGHLIGHTS

## First-Year Students Shine in Google TalentSprint Women Engineers Program



Navya Goel



Tuhina Tripathi



Anouska Jhunjunwala

Three first-year students, Navya Goel, Tuhina Tripathi, and Anouska Jhunjunwala, have been selected for the prestigious Google TalentSprint Women Engineers (WE) Program. They are among 200 top-performers chosen from 55,000 Indian participants. The 24-month program aims to empower talented women engineers for successful tech careers and leadership roles. Selected students will receive a scholarship and remuneration of Rs. 1,00,000 during the tenure, benefiting from mentorship, networking, and a comprehensive curriculum. Their success highlights the growing emphasis on diversity and inclusion in the technology sector.

## Samsung Prism Offers Internships to Students for Innovative Emotion Intelligence Project

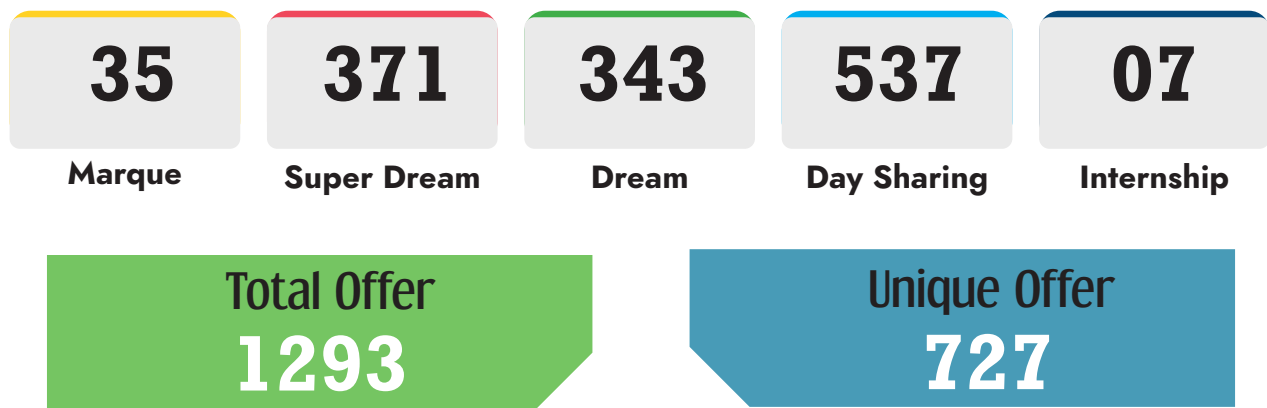


Samsung Prism has extended internship offers to students Soham Bhattacharya, Daketi Yatin, and Dhruv Limbani for their groundbreaking work on the project titled "Emotion Intelligence: Sensor-Based Profiling." Under the expert guidance of Prof. Dr.M.Pushpalatha, the students developed a cutting-edge solution that aims to revolutionize the field of emotion intelligence through sensor-based profiling.

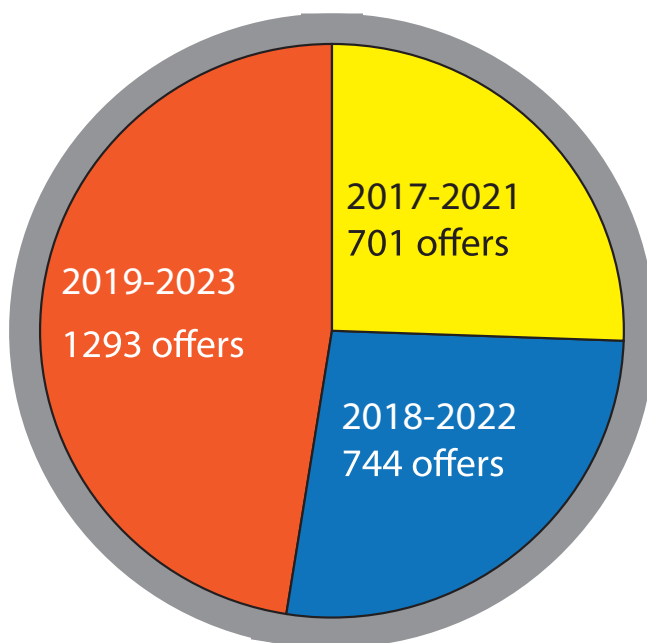
The internships at Samsung Prism will provide these talented students with the opportunity to further develop their skills and contribute to the company's ongoing innovation efforts. The offers are a testament to the students' hard work and dedication, as well as Prof. Dr. M. Pushpalatha's mentorship.

## CAREER NEWS

The placement season for the batch: 2019-23 is 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. Anand Group, UIDAI, Siemens and Hexagon provided 7 internship offers. Till date, 211 companies visited SRMIST for recruitment process and 163 companies have offered the placement opportunity.



### COMPARISION FOR LAST 3 YEARS



**Highest Salary**  
**47.88 Lakhs PA**  
**Amazon WoW**



# CONGRATULATIONS TO MARQUEE PLACED STUDENTS

	<b>EISHITA GUPTA</b> Amazon CTC: 47.88 LPA		<b>ADITI KHATRI</b> Amazon CTC: 47.88 LPA		<b>SANSKRITI KHARE</b> Adobe CTC: 47.00 LPA		<b>SANJANA ZOLA</b> Cloudera CTC: 39.6 LPA		<b>HARSHIT PRATAP</b> Autodesk CTC: 36 LPA		<b>ROHAN SACHDEVA</b> Commvault CTC: 31 LPA		<b>VIVEK KUMAR</b> Hybr1d CTC: 30 LPA		<b>ASHUTOSH KUMAR</b> Morgan Stanley CTC: 29.49 LPA		<b>ANMOL MITTAL</b> APP Development CTC: 29.48 LPA		<b>AMISHA JAISWAL</b> AiDash CTC: 27 LPA
	<b>ABHUDAY MISHRA</b> Amazon CTC: 47.88 LPA		<b>ADITYA SHUKLA</b> PayPal CTC: 26.5 LPA		<b>DEBODUTTI BISWAS</b> Reverse Labz CTC: 25 LPA		<b>SWARNABHA DAS</b> ReverseLabz CTC: 25 LPA		<b>RITIKA GUPTA</b> Cisco CTC: 24.7 LPA		<b>SHAMBHAVI JHA</b> Wells Fargo CTC: 24 LPA		<b>AVAD AGARWAL</b> Wells Fargo CTC: 24 LPA		<b>RITESH KUMAR RAI</b> Wells Fargo CTC: 24 LPA		<b>KODURU SIVA</b> Pay Pal CTC: 20 LPA		<b>OISHWARJYA BANERJEE</b> Wells Fargo CTC: 24 LPA
	<b>SHAURYA JAGGI</b> PayPal CTC: 24 LPA		<b>SHUBHAM KUMAR</b> Wells Fargo CTC: 24 LPA		<b>HARSH M</b> Wells Fargo CTC: 24 LPA		<b>VARUN SRITEJA K</b> British Petroleum CTC: 22.4 LPA		<b>DINESH VARMA</b> British Petroleum CTC: 22.4 LPA		<b>MOHAMMAD HASAN RISHABH SHARMA</b> Nutanix CTC: 22 LPA		<b>TUSHAR KRISHNA</b> Arm Embedded Tech. CTC: 20.75 LPA		<b>KALEYRA</b> Kaleyra CTC: 20.24 LPA				
	<b>EESHAN DUTTA</b> Kaleyra CTC: 20.24 LPA		<b>MALLIKA SHARDA</b> Kaleyra CTC: 20.24 LPA		<b>SAGNIK BISWAS</b> Farmako Healthcare CTC: 20 LPA		<b>MOHAMMAD MUAZAM</b> Squadcast CTC: 20.04 LPA		<b>ADITYA PRAKASH</b> Richpanel CTC: 20 LPA		<b>TAPI SHARMA</b> PayPal CTC: 20 LPA								

**Marquee - 35**

**Super Dream - 354**

**Dream - 347**

**Day Sharing - 542**

**Internship - 07**

**Total Offers - 1286**

**Unique offer - 782**

**Highest Salary - 47.88 LPA**

**Placement - 94.45%**

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

## EVENT PARTICIPATION

Devish Mittal, Reetam Kolefrom, Kartik Mittal, from First Year CSE C2 Section, participated in an annual flagship event MOZOFEST, organized by SRMKZILLA, at SRMIST Kattankulathur, Chennai from 24th to 26th Feb, 2023.

Devdeep Uppalapati from first year CSE C2 Section, participated in the United Nations Security Council, organized by CHRIST, Bangalore from 2nd to 4th February 2023.

Ishanvi Singh and Taanisha Sharma from first year CSE C2 Section, participated in The Art of Illusion, A VFX Workshop hosted by Directorate of Alumni Affairs, SRMIST Kattankulathur, Chennai on 3rd Feb 2023.

Ishanvi Singh and Taanisha Sharma from first year CSE C2 Section, participated in "Hello Cloud!" Workshop organized, SRMIST Kattankulathur, Chennai on 28th Jan 2023.

Aadit Bhargava, Sumanshu Anand, Anurag Parag Riswadkar and Toshak Kamal Kaushik obtained global rank 273 with score 13718 and Harsh, Samarth, Satvik Kumar obtained global rank 274 and score 13698 in team coding conducted by Reply code challenge on March 9th 2023.

Kartik Agal from third year D2 Section successfully participated in the Day 2 Quiz of Online Quizzing Festival OQF Season 8 powered by boAt organized by Anna University, Chennai, Indian Institute of Technology IIT, Madras and Indian Institute of Management IIM, Ahmedabad

Priyal Mittal - from third year D2 Section, participated in Virtusa's global initiative "Engineering Equity Hackathon" held between February 2023 - March 2023

Muhammad Waseem T, Sushant Kumar and Toshak Kamal Kaushik from third year D2 Sec has participated in the PROJECT EXPO 2023, organized by the Department of Computing Technologies, SRMIST held on 23rd March 2023.

Rushil Ghetiya, participated in "Figma Fiesta" Workshop hosted by Github community and organized by SRMIST Kattankulathur, Chennai on 18th March 2023

Kartik Mittal, participated in "The Art of Illusion", A VFX Workshop hosted by Directorate of Alumni Affairs, SRMIST Kattankulathur, Chennai on 3rd Feb 2023.

Students participated in "ICPC International Collegiate Programming Contest" and got selected for regionals in ICPC contest which is known as Olympics of coding from SRM. Team Mavericks: Mr. Aadit Bhargava (RA2011003010920) Mr. Harsh (RA2011003010927) Mr. Anurag Parag Riswadkar (RA2011003010930)

STUDENTS  
ACHIEVEMENTS



# STUDENTS ACHIEVEMENTS



Ms. Priyanka Dash from Second Year J2 section has secured an honorable mention prize in the CODERUSH hackathon on 10-25th February 2023.



Satvik Kumar from third year D2 Section got selected for Mitacs Globalink Research Internship at McGill University under the guidance of professor Jeremy Cooperstock.



Syed Imam Ali from third year D2 Section have been selected for the prestigious research internship at IIIT, Hyderabad, SHRISTI - 23 under the guidance Professor Prasad Krishnan.



Md Sameer , Goutam Gorai , Amit Modhwadia - and Vatsal Joshi from Second Year CSE J1 section won II prize and a cash reward of Rs. 2000/- in "CONOCITHON", A Hackathon Event Conducted by IEEE Madras Young Professionals.



Adithya Gandhi of I yr B2 section won a cash price of 5000/- prize for best stylist award in fashion event at VIT Chennai on 2nd March 2023



"First-year student Manya Mehrotra (RA2211003010399) from FI Section wins top prize at KODEKSHETRA hackathon by Think Digital SRM, on March 21, 2023."



"First-year student s Akanksha Rathore (RA2211003010396) & Ms. Tamanna Grover (RA2211003010376 from FI Section selected as Corporate Lead at GitHub Community SRM, a remarkable achievement in her first year."



"Priyankush and Tanishq Kashyap from third-year CSE F2 section complete successful internship under the guidance of Amarendra Kumar Das, PhD, Professor and Former Head in Department of Design, IIT Guwahati, from January 7th to February 27th, 2023."



Alqueem Razi - RA2211003011343, Nishant Sheoran - RA2211003011324 and Parth Garg - RA2211003011322 from first year CSE D2 Section, won first prize in February rush hour (coding contest) took place under mozofest annual flagship event conducted by SRMKZILLA.



Congratulations, Our First year student RA2211003010758 Syed Mohammed Ayan Abbas along with his team had won first prize in the following event.  
Event Name: Bits Quark  
Competition Name: Time Challenge - Line Follower Robot  
Date: March 22, 2023

Alqueem Razi - RA2211003011343, Nishant Sheoran - RA2211003011324 and Parth Garg - RA2211003011322 from first year CSE D2 Section, won first prize in February rush hour (coding contest) took place under mozofest annual flagship event conducted by SRMKZILLA.

Kartavya Shah, won second prize in IOT Expo project2023 conducted by Computing Technologies, SRMIST.







Ankit Choudhary, RA2111003011748 from CSE Core gave a seminar regarding "All about Web3" on 30th January in CMR Engineering College, Hyderabad.



Third year AI section received the cash price of Rs. 1 Lakh for winning the Academic Grand Challenge in First place which is supported by Wells Fargo.



Subha Bal pal from second year CSE, CI section won Third prize in the "IOT Project Expo 2023", organized by Department of computing Technologies, SRM Institute of Science and Technology, Kattankulathur in Association with ASEAN - India Science, Technology & Innovation Cooperation on 3rd March, 2023



Enigma team from III B.Tech. CSE I2, comprising Kumar Shashwat (RA2011003011262), Aryaman Adivya Singh (RA201100301126), and Mohammed Shoaib Khan (RA2011003011289), secures first place at Debunkathon by Shaastra Debunk, IIT Madras.





Team Wasuli, comprising of Pranav Kumar, G K Raghav, Mayank Rai, and Sarvottam Mishra, emerged as the second prize winners in the AR/VR Track of EY Techathon 3.0. Their impressive performance in the competition was recognized and awarded with a prize money of Rs. 2 Lakhs.



R.Dinesh from third CSE J2 Section, Won Men's Doubles at KPL Badminton academy, Vandalur and also came as a Semi-finalist in Men's Singles and Men's Doubles at Sportfit60 Badminton academy, Medavakkam.



Aviral Jaiswal, from First Year CSE C2 Section, won FIRST PRIZE in Intercollegiate Tournament 2023 for CHESS, organized by Club Inferno, in association with Directorate of Sports SRMIST, Kattankulathur, Chennai on February 2023

MunishShashank & kushBhargav Sah of SRMUNIVERSITYKTR successfully cleared all the levels for the NATIONAL FORENSIC SCIENCE HACKATHON 2023 and secured top 10 positions all over India.

Ankit Choudhary, RA2111003011748 and Mridul Gupta, RA2111003011753 from CSE Core took part in International Level Hackathon "ETHforAll" and won two partner bounties: Arcana pool prize ( \$100 ), Filecoin pool prize ( \$350 ) and also \$102 in Quadratic Voting.

## COMPLETION OF CERTIFIED COURSES



Shreya Ranjan from Second Year E1 Section completed the training program "Basics of JavaScript Programming" by Open Weaver.



Aakanksha Pal from Second Year CSE J2 section has completed HTML, CSS, and Javascript for Web Developers authorized by Johns Hopkins University and offered through Coursera.

Rytham Guptha from first year B2 completed a 3 months course on "C++ Programming: Beginners to Beyond" in UDEMY on 29th March.

Ukti Agrawal, Aishwarya M Pai and Satvik Kumar from Third year D2 Section, Successfully completed 3 days offline workshop on DevOps Essentials.

Adithya swami, third year CSE has undergone practical training in the Centre for Railway Information systems, Chanakyapuri, New Delhi, worked on the project "Comparison of Algorithms for Spatio - Temporal Imputation of missing data" from 15.12.2022 to 14.02.2023.

The following students have completed Virtual Internship on AWS Cloud Feb 2023, jointly organized by ACITE - Eduskills. Miss. Akriti Verma (RA2011003010918) , Miss. Divya Golchha (RA2011003010903, Mr. Harsh (RA2011003010927), Miss. Sakshi Shruti (RA2011003010924)

Divyansh Gupta (RA2011003011252) from III year H2 Sec completed 10 weeks Virtual Internship in Juniper Networks Cloud Networking from Dec 2022-Jan 2023.

Shyam Kaarthikeyen, has successfully completed and certified in Google Analytics Certification, held online on 12th March,2023.

Shyam Kaarthikeyen, has successfully completed an Online certification course on UI/UX for Beginners, conducted by Great Learning Academy, held on March,2023.

Shyam Kaarthikeyen, has successfully completed Online certification course "The Complete Introduction to C++ Programming", conducted by Great Learning Academy, held on 9th March,2023.

Manan Agarwal from second year CSE, C1 section successfully completed "AWS Academy Graduate - AWS Academy Machine Learning Foundations"

Mr. Samarat Kumar (RA2011003010919) being selected for IOS Developer Internship conducted by SRM with the joint collaboration between Apple and Infosys, 2023.



Akshat Rawat from first year B2 section completed a 3 months course on "Ethical Hacking 2023 : Zero to Mastery" in UDEMY on 4th March .



Yash Veer Singh, Third year G2 section, has secured 3rd place (Team Ajax), and bagged a sum of Rs 10000/- in the Sustainability Online Hackathon organized by the Centre for Excellence in Sustainable Development (CESD) of Goa Institute of Management. The theme of this year's hackathon was 'Sustainable Tourism and Hospitality', which aimed to promote the development of innovative and sustainable solutions, saw an impressive turnout of participants from all over India.

Ankit Choudhary, RA2111003011748 and Mridul Gupta, RA2111003011753 from CSE Core took part in International Level Hackathon "ETHforAll" and won two partner bounties: Arcana pool prize (\$100), Filecoin pool prize(\$350) and also \$102 in Quadratic Voting.

Rushil Ghetiya(RA2211003011217), participated in "Figma Fiesta" Workshop hosted by Github community and organized by SRMIST Kattankalathur, Chennai on 18th March 2023.

Shivnarayan S(RA2211003011216), has secured 3rd place and won a cash prize worth INR 20,000 in Quadcombat, organized by Pragyan, The International-TechnoManagerial Organization of National Institute of Technology, Tiruchirapalli, held from 23rd to 26th March, 2023.

K. D. J. Harsha Adharsh of first year has secured 3rd in the Quadcombat event with a cash prize of 20000/- organized by Pragyan, the International Techno-Managerial Organization of NIT, Tiruchirapalli, held from 23-03-2023 to 26-03-2023.

Miss. Akriti Verma (RA2011003010918) has got 2nd rank on Online National level Minded Hackathon Organised by Centre of Excellence in Data Science, Department of Computer Science and Engineering Institute of Technology, Nirma University, March 2023 as Team: Koders and got cash prize of Rs. 4000.

Mr. Aman has got selected and awarded scholarship from the Indian Air Force Benevolent Association under the Subroto Memorial Scholarship Scheme for the excellence in academics with Cash Prize Rs. 20,000.

Ms. Sakshi Shruti (RA2011003010924) has participated in Virtusa's global initiative "Engineering Equity Hackathon" in March 2023.

Ms. Sakshi Shruti (RA2011003010924) has participated in the Quiz (Online Assessment) of Hero Campus Challenge Season 8 organized by Hero MotoCorp Limited.

Ms. Akriti Verma (RA2011003010918) has participated 24 hour national level hackathon conducted by SRMKZILLA in Feb 2023.

Riya Sharma (RA2011003010897) participates in Smart Campus Hackathon - Phase 1 and Semicolon 8.0 coding event conducted by SRM Innovation Incubation and Entrepreneurship Centre and Team SRM Hackathon.

Miss. Apoorva Gupta (RA201100301098) has participated in the Woman Hackathon Conducted by ServiceNow, 2023.

*Our department faculties are striving hard to thrive the department in various ways. We are proud to list few among them*

## CONSULTANCY PROJECTS

Dr.R.S.Ponmagal completed a consultancy project titled, "Biometric attendance system for smart industrial automation", worth Rs.90,000/- as Principal Investigator from AccuPlast Engg Pvt. Ltd, Chennai, on 3.2.23.

Dr.B.Amutha initiated a consultancy project titled, "Performance Analysis of ZIXI, SRT, RIST protocols with StreamDesk", worth Rs.30,000/- as Principal Investigator from Contraly Tech Private Limited.

Dr.L.Kavishankar received a consultancy project titled, "Web Accessibility Testing", worth Rs.63,720/- as Principal Investigator from FSI INFOTECH

## PATENT GRANT

Mrs. J. Jayapradha, Assistant Professor from the Department of Computing Technologies, and her team got their patent granted where their invention is "A FRAMEWORK FOR PRESERVING PRIVACY OF HEALTH RECORDS USING HEAP BUCKETIZATION", in the month of February 2023.

Mrs.Mochitha Vijayan, a Research Scholar, from the Department of Computing Technologies, and her team got their patent granted where their invention is "A SYSTEM AND METHOD FOR ERROR FREE ACCIDENT DETECTION, RESPONSE,, AND RESCUE", in the month of February 2023

## PATENT DESIGN GRANT

Dr. A. Devipriya, Dr. J. Nithyashri received a Design Grant in India titled "IOT INTEGRATED PRINTER" in the month of December 2023.

Dr. D. Shiny Irene, Dr. Kishore Anthuvan Sahayaraj, Dr. R. Anto Arockia Rosaline and Dr. P. Nancy, received a Design Grant in India titled "IOT BASED CAMERA FOR HEALTHCARE MANAGEMENT", in the month of January 2023.

Dr. D.Vinod and Dr. M. Suresh Anand received a Design Grant in India titled "IOT BASED SMART IRRIGATION SYSTEM" in the month of January 2023.

Dr. J. Ramaprabha received a Design Grant in India titled "A SYSTEM AND METHOD FOR SECURE INSTANT MESSAGING COMMUNICATION" in the month of February 2023.

Dr. K. Vijaya received a Design Grant in India titled "PILL DISPENSING BOTTLE", in the month of February 2023.

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Dr.S.Gnanavel received a Design Grant in India titled "SYSTEM FOR WATER LEVEL DETECTION AND CONTROL BASED ON INTERNET OF THINGS (IoT)" in the month of February 2023.

Dr. G. .Balamurugan received a Design Grant in India titled "SMART FLOORING FOR ANTI - THEFT MONITORING OF HOME USING IOT AND MACHINE LEARNING", in the month of February 2023.

## PATENT PUBLISHED

Dr. N. Arunachalam published a Patent in India titled, "IOT BASED SMART IRRIGATION SYSTEM FOR EFFICIENT CROP PRODUCTION AND SOIL MANAGEMENT USING ARTIFICIAL INTELLIGENCE AND DEEP LEARNING ALGORITHMS", in the month of January 2023.

Dr. M. Aruna published a Patent in India titled, "AIR POLLUTION AND QUALITY MONITORING SYSTEM USING AI AND IOT", in the month of December 2023.

Dr. M. Baskar published a Patent in India titled, "IOT WEATHER SIGNAL MONITORING DEVICE" in the month of January 2023.

Dr. M. Sindhuja published a Patent in India titled, "AN IMPROVED REAL-TIME ELEPHANT DETECTION AND REPELLENT SYSTEM IN THE VICINITY OF RAILWAY TRACK USING IOT WITH CONVOLUTION NEURAL NETWORK", in the month of January 2023.

Dr. R. Jebakumar R, Mr. S. Iniyan published a patent in India titled "ENSEMBLE FEATURE SELECTION (EFS) BASED FORECAST OF CROP PRODUCTION USING DEEP LEARNING MODELS" in the month of February 2023.

Dr. R. Jebakumar published a patent in India titled "SMART CHLOROPHYLL DEFICIENCY PREDICTION SYSTEM THROUGH PLANT LEAVES" in the month of February 2023.

Dr. G.K. Sandhia published a Patent in India titled, "A SYSTEM AND METHOD FOR SECURE INSTANT MESSAGING COMMUNICATION", in the month of February 2023.

Dr. M. Eliazer published a Patent in India titled, "NETWORK FILTERING USING MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE INTERFACES" in the month of February 2023.

Dr. R. Yamini published a Patent in India titled, "DEEP LEARNING WITH NANOTECHNOLOGY APPROACH TO THE EFFECT OF TOPICAL CREAMS FOR TREATING BLOOD CANCER NODES" in the month of February 2023.

Mrs. K.R. Jansi published a Patent in India titled, "A SYSTEM AND METHOD FOR SECURE INSTANT MESSAGING COMMUNICATION", in the month of February 2023.

Mrs. M. Vaidhehi published a Patent in India titled, "BIG DATA AND MACHINE LEARNING BASED APPROACH FOR WIRELESS NETWORK OPTIMIZATION", in the month of February 2023.

Dr. G. Balamurugan published a Patent in India titled, "ARTIFICIAL INTELLIGENCE BASED ULTRAVIOLET DISINFECTING DEVICE FOR MEDICAL INSTRUMENTS", in the month of March 2023.

Dr. S. Pradeep published a Patent in India titled, "IOT AND AI BASED AUTOMATIC LEAF DISEASE DETECTION SYSTEM IN DIFFERENT CROP SPECIES THROUGH IMAGE FEATURES ANALYSIS AND ONE CLASS CLASSIFIERS USING DEEP LEARNING ALGORITHMS", in the month of March 2023.

## MOU SIGNED

Dr. D. Vinod has initiated MOU and signed between SRMIST with JA ASSURE. "The scope of collaboration on research activities is to evaluate the validity of an interpretive framework on new technologies towards solving business challenges by developing products and systems for JA Assure. It is a testament to our commitment to advancing technology and making a positive impact in society.



## EXTERNAL ACTIVITIES

Dr.M.Gayathri delivered a session on "Quantum Computing and its Applications" @Dhanalakshmi college of Engineering and Technology, Manimangalam, Tambaram on 18.02.2023.

Dr. R. Renuka Devi, Dr. J. Nithyashri, Dr. P. Nancy, Dr. M. Sindhuja, Mrs. A. Maria Nancy participated in group singing and as a team received first prize, as part of International Women's Day celebrations organized by SRMIST held on 10.03.0.2023.

Dr. R. Renuka Devi won the First Place in Solo Dance as part of International Women's Day celebrations organized by SRMIST held on 10.03.2023.

Dr. R. Anto Arockia Rosaline, Dr. R. Renuka Devi, Dr. M. Sindhuja, Mrs. A. Maria Nancy, Dr. P. Saranya received the appreciation certificate for adopting Innovative Teaching Pedagogies in the classroom during Odd semester 2022-2023.

Dr. M. Suganiya, has acted as Reviewer for Plos One journal, during March 2023.

Dr. R.S. Ponmagal acted as PhD viva Voce examiner at Manonmaniam Sundaranar University, Tirunelveli on 10.2.23.

Dr. R. Lavanya has attended a resource person training program organized by Bureau of Indian Standards at Hotel Turya, Perungudi, Chennai on 17.02.2023.

Dr. R. Lavanya has participated in a talk show titled "Online rummy will be banned by law or only self-discipline will help us to stay away" in "Uraka Sollungal" at PuthiyaThalaimurai TV on 25.03.2023.

Dr. R.I. Minu had been a distinguished Panel Speaker in the "Automotive Trends 2023 " organized by ITK solution in association with MSME Development Institute, Guindy, Chennai.





The Amma trophy Inter Collegiate Staff Cricket T-20 tournament -2023 was held at Adhiparasakthi Engineering Melmaruvathur on 19-03-2023 at the GB Sports Complex. The faculty team from SRMIST School of Computing led by Mr. K.C. Prabu Shankar, Assistant Professor, CTech participated in the tournament. SRMIST, School of Computing faced St. Joseph's college of Technology, Chennai in their first match. SRMIST Team won the toss and elected to bat on 19-03-2023 at 9 AM and scored 149/5 in 20 overs. K.C. Prabu Shankar Scored 55 runs off 52 balls and Mr. D. Vinod scored 45 runs off 38 balls. Murugan from SRMIST team too 4 wickets, SRMIST Team won the match by 13 runs. KC. Prabu Shankar, Captain, SRMIST got the man of the match award for scoring 55 runs from 52 balls and Mr. Murugan got the best bowler award for scalping 4 wickets.

Dr. C.N. Subalalitha gave a talk on "Research idea Conception" at First Doctoral Committee Meeting to Final Viva Voce workshop conducted by Ctech Research club by the Department of Computing Technologies, SRM IST on 12.01.23

Dr. C.N. Subalalitha gave a hands on session on mBART, M2M & NLLB MT models, today on "Neural Machine Translation ", in an International Workshop on Data Science Tools and Techniques, Department of Data Science , Bishop Heber College Tiruchirappalli on 03.02.23

Dr. C.N. Subalalitha gave a hands on session on , "NLP for Indian Languages " insisting on transliterations, codemixing, classification & summarization thru AI4Bharath, mT5, mBERT & XLM RoBERTa models at Madurai Thiagarajar College of Engineering on 18.03.23

Dr. C.N. Subalalitha gave a hands on session on, "NLP in Cognitive Computing" in the Workshop conducted by the Department of Computational Intelligence, SRMIST on 24.02.2023

Dr. C.N. Subalalitha gave hands on session on "Building Android Mobile Application on Android Studio using Kotlin Language". For Lab programmers conducted by department of Computing Technologies, SRMIST on 22.03.23

## FACULTY UPSKILLING

Dr. M. Suganiya, Dr. J. Nithyashri and Dr. R. Anto Arockia Rosaline were trained in "Disaster Management & First Aid skills - Both Theory & Practicals" on 10.02.2023 at SRM Institute of Science and Technology.

Dr. M. Suganiya and Dr. R. Anto Arockia Rosaline attended the ATAL Faculty Development Programme on "Biosignal processing using AI" organized by Agni College of Technology from 02.02.2023 to 07.02.2023 and 17.02.2023 to 21.02.2023.

Dr. P. Saravanan attended Five Days of FDP on "New Age Technologies" organized by SCOPE, VIT-AP University, Amaravati from 28.03.2023 to 01.04.2023.

Dr. S. Gnanavel attended Faculty Development Programme organized by IIT Kanpur on "IOT & Drone" from 27.02.23 to 04.03.2023.

Mrs. M. Hema participated in two weeks online Faculty Development Programme on "Recent Trends in Robotics" jointly organized by Electronics and ICT Academies at IT Roorkee, MNIT Jaipur, NIT Patna, and PDPM IITDM Jabalpur.

Mrs. B. Ida Seraphim attended Faculty Development Programme organized by MeitY & IIT Kanpur on "Advanced Excel with Data Visualization" from 13.02.23 to 17.02.23.

Mrs. B. Ida Seraphim attended Faculty Development Programme organized by MeitY & IIT Kanpur on "Cyber Security" from 20.02.23 to 24.02.23.

Dr. M. Eliazer, Dr. N. Arunachalam, Dr. P. Nancy, Dr. D. Shiny Irene, Dr. M. Sidhuja, Mrs. M. Revathi,, Dr. M. Suganiya attended a one-week FDP on "Effective Teaching of Data Structures" conducted by CSEDU at IMSc, Chennai from 06.01.2023 to 12.01. 2023.

Dr. R. AntoArockia Rosaline and Dr. A. Devipriya attended the training on "Design Thinking" at the School of Design Thinking from 30.01.2023 to 01.02.2023.

Dr. K. Vijaya, Dr. M.Baskar, Dr. Ramkumar, Dr. C. Pretty Diana, Dr. D. Vinod, Dr. R.I. Minu, Dr. J. Nithyashri attended Certification Course organized by IIIT-Delhi, ACM India Council and CSEDU on "Theory of Computation" from 10.02.2023 to 11.03.2023.

Dr. K.Vijaya, Dr. K. Geetha, Dr. K. Alice, Dr. K. Anitha, Dr. G. Padmapriya, Dr. D. Vinod, Dr. A. Devipriya, Dr. M. Suresh Anand, Dr. S. Pradeep, Dr. R.S. Ponmagal, Dr. M. Sindhuja, Mrs. S.S. Saranya, Dr. S. Shanmugam, Mr. S. Saminathan, Mr. N.A.S Vinoth, Ms. A. Maria Nancy, Dr. R. Geetha, Dr. S. Vidhya, Dr. M. L. Swarna Kokila, Dr. S. Babu, Dr. A. Anbarasi, Mrs. J. Rama Prabha, Dr. R. Thamizhamuthu, Dr. L. SathyaPriya, Dr. C. Ashokkumar, Dr. A. Arulmurugan, Ms. J. JayaPradha, Dr. P. Saravanan, Dr. G. Usha, Dr. S. Nithya and Dr. M. Thenmozhi, Dr. R.Manjula, Mrs. M.Hema, Dr. M. Kandan, and Dr. B.Amutha has successfully completed Universal Human Values –I.

Dr. R. Lavanya has successfully completed the course, "Database Foundations" conducted by Oracle Academy.

Dr. S. Gnanavel has completed 2 online courses Udemy – CSS, JavaScript, and PHP Complete course for Beginners And Udemy-Learn Java Fundamentals for beginners.

Dr. G. Balamurugan has completed the Certification Course conducted by Oracle Certified Foundations Associate on "Oracle Cloud Infrastructure 2022 Certified Foundations Associate".

Mrs. M. Hema successfully completed the NPTEL certification course on "Cloud Computing".  
Mrs. M. Hema participated in Online FDP on Data Analytics with R Programming.

Dr. S. Shanmugam has attended and cleared the 8 Module Course organized by NITTT in association with AICTE Completed on 25.02.23.

Dr. K.R. Jansi has passed the Certified System Administrator (CSA) mainline examination in the first attempt, and she is currently the Certified System Professional in ServiceNow. ServiceNow is an American software company based in Santa Clara, California, that develops a cloud computing platform to help companies manage digital workflows for enterprise operations. She would be serving as the SPOC for ServiceNow collaborations and certifications to accelerate further the India Academic University Programme.

Mrs. G. Rekha attended a Workshop organized by the Central Institute of Classical Tamil on "Natural Language Processing in Classical Tamil" from 14.03.23 to 23.03.23 at Central Institute of Classical Tamil, Chennai.



Dr. V.V. Ramalingam, Dr. K. Vijaya, Dr. A.M.J. Muthu Kumaran, Dr. S. Nagadevi and Dr. M. Vidhyalakshmi have successfully completed a four-day workshop on Golang Programming in collaboration with Wipro Technologies.

Dr. K. Vijaya, Dr. G. Padmapriya, Dr. L. Sathaypriya, Dr. V.S. Bakkialakshmi, and Dr. M. Vidhyalakshmi attended the training on “Design Thinking” at the School of Design Thinking from 27.03.2023 to 29.03.2023.

Dr. B. Amutha attended a 5-day online Faculty Development Programme on Machine Learning and its real-time Applications organized by the Department of Computer Science and Engineering, Sri Manakula Vinayagar College, Puducherry from 06.03.23 to 10.03.23.

## BOOKS AND BOOK CHAPTERS

Dr. S. Gnanavel published a Book Chapter “A Security Model for Integration of Mobile Cloud Computing and Internet of Things” in the Handbook of “Research on Quantum Computing for Smart Environments” under the publisher,” IGI Global Publisher of Timely Knowledge.”

Dr. M. K. Vidhyalakshmi published a Book Chapter “ A Review on Transdisciplinary Approach and Challenges on Wearable Technology” in Recent Progress in Science and Technology.

## BRAIN TEASERS

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### Four-Bidden

Place an X or an O in each empty cell of this grid so that there are no four consecutive Xs or Os appearing horizontally, vertically or diagonally. There's only one solution. Can you find it?

RESEARCH  
PUBLICATIONS

## RESEARCH PUBLICATIONS

*SRMIST, Department of Computing Technologies faculty members published articles in high impact Journal as mentioned below:*

Dr. Poornima S has published an SCI/Scopus Indexed paper on, "Rainfall and drought analysis and forecast was published in Water, a Q1 journal with **IF 3.530** by collaborating with Foreign Professor from Skolkovo Institute of Science and Technology, Center for AgroTechnologies, Moscow, Russia.

Dr. M. Kanchana published a paper entitled, "3D-MedTranCSGAN: 3D Medical Image Transformation using CSGAN" in Computers in Biology and Medicine with an **Impact Factor of 6.698**.

Dr. S. S. Sridhar published a paper entitled, "OISVM: Optimal Incremental Support Vector Machine-based EEG Classification for Brain-computer Interface Model" in Cognitive Computation with an **Impact Factor of 4.890**.

Dr. M. Sindhuja published a paper entitled, "Multi-objective cluster head using self-attention based progressive generative adversarial network for secured data aggregation" in Ad Hoc Networks (Elsevier) with an **Impact Factor of 4.816**.

Dr. M. Baskar published a paper entitled, "Computer Aided Diagnosis Model Using Machine Learning for Brain Tumor Detection and Classification" in Computer Systems Science and Engineering with an **Impact Factor of 4.397**.

Dr. P. Selvaraj published a paper entitled, "Advance IoT Intelligent Healthcare System for Lung Disease Classification Using Ensemble Techniques" in Computer Systems Science and Engineering with an **Impact Factor of 4.397**.

Total Number of Papers  
published and indexed:



Total Number of SCI/  
Scopus papers published  
and indexed:





## RESEARCH VERTICALS

# VISUAL COMPUTING



The visual Computing Vertical has organized a 2 days Workshop on Artificial Intelligence for Disaster Management. Technology from 16.02.23 to 17.02.23 in collaboration with Earthquake Research Cell. This workshop is aimed to change the system of disaster management, especially if one can successfully integrate emerging technology with existing infrastructure. As technologies such as Artificial Intelligence, Internet of Things (IoT), Big Data and blockchain become even more sophisticated, they can help drastically improve disaster response and relief capabilities. When powerful ideas and sophisticated machinery come together, they create new advances in disaster management. The following experts shared their expertise and experience in the Disaster management

### External Experts

Dr. Kurian Joseph, Professor of Environmental Engineering, Anna University

Dr. Pradeep Kumar Garg, Professor, Civil Dept. IIT Roorkee,

Dr. S. Rajkumar, Associate Professor, School of Computer Science & Engineering, VIT, Vellore

### Internal Experts

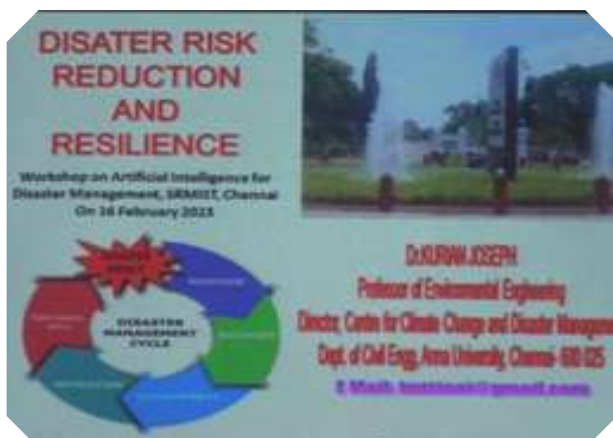
Dr. S.S. Sridhar, Professor, Computing Technologies, SRMIST

Dr. R. Sivakumar, Professor, Civil Engg, Coordinator EQRC, SRMIST

Dr. Snehasish Ghosh, Scientific Officer, EQRC, SRMIST

Dr. S. Sivakumar, Assistant Professor, Dept. of Computing Technologies, SRMIST

Dr. S. Ramamoorthy, Associate Professor, Dept. of Computing Technologies, SRMIST



# ACCELERATED COMPUTING



On February 6, 2023, 60 students in the High Performance Computing Professional Elective and faculty from the Accelerated Computing Vertical visited the HPC Lab at the SRMIST Data Center in Kattankulathur as a part of the subject. Students gained knowledge on HPC systems and their configuration.



## Bridge course on Cloud computing

Accelerated computing research group of Department of Computing Technologies organizes a four days "Bridge course on Cloud computing in connection with C-DAC from 20- 23 March 2023". This course will enable our students to be readily deployable in companies in a futuristic way.



It is a Bridge course for 100 hours including technical employability skills. Out of the total 100 hours of coaching by CDAC team, 25 hours will be handled in person. The team will come directly from CDAC and handle the offline coaching to a batch of 150 students of various disciplines viz., CSE, IT, Cloud, Big data Analytics, AI, The remaining 75 hours will be handled in online mode such as discussion, doubt clearance, assignments, minor problem solving and solution skills with different approaches.





# THEORETICAL COMPUTING



In collaboration with ACM India Council Theoretical Computer Science vertical organized a session on "Opportunities for a Research Career" for students who are interested in higher education on 31.1.2023.



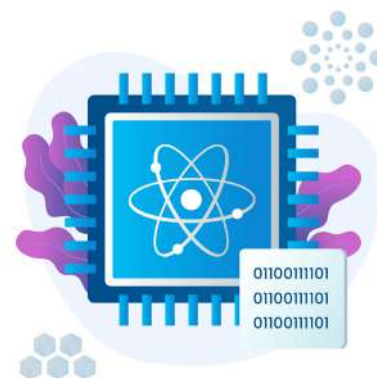
# ADVANCED MULTILINGUAL COMPUTING



Dr. E. Poovammal and Mrs. B. Sowmiya organized the six day STTP program on "Capacity building of women for health emergency and disaster management (CBW'23)" from Feb 6th -Feb 11, 2023.

Dr.Subalalitha C.N conducted Hands on session on "Building Android Mobile Application on Android Studio using Kotlin Language" for the department Lab programmers on 22.03.23

# QUANTUM COMPUTING



## ONLINE COURSE COMPLETED BY FACULTIES

·Dr. G.K. Sandhia from <SQ|QuIC> has completed a course on “ Introduction to Quantum Information” on coursera.

Dr. G. Usha, Dr. P.C .Karthick, Dr. R. Thilagavathy, Dr. S. Ramesh from < SQ|QuIC> have completed Introduction to quantum computing course on Udemy platform.

## STUDENT ACHIEVEMENT

Harishankar has completed Quantum Machine Learning Certification (With IBM Quantum Research) offered by openHPI. OpenHPI is the education platform of the Hasso Plattner Institute (HPI) for Digital Engineering. Together with the University of Potsdam, the Hasso Plattner Institute forms the Digital Engineering Faculty of the University of Potsdam. The university's teaching focuses on a variety of practical and engineering-oriented study programs. (January 2023).



Saaru Darshini ,B.Tech /CTECH / III YEAR has completed her Qubit by Qubits 2023 Quantum Winter School with Microsoft Azure Quantum.

## ***FACULTY ACHIEVEMENT IN QUANTUM COMPUTING***

Mutual Non-Disclosure Agreement was established between QRACE and SRMIST by Dr. Pushpalatha and Dr.G. Usha. The Objectives are to bring academic and research alliance such as student internship, research proposals, patent etc. in quantum domain. (MOU signed)

A paper titled "Lower bound on given rotation matrices, decomposition of quantum Fourier transform" was presented by P.C. Karthik, G. K. Sandhia and M.Gayathri @ Research colloquium 2023 (RSC 23) "Quantum computing and emerging Technologies " on 14th March 2023 organized by SSN college of Engineering.

A paper titled "Quantum computing: A threat to blockchain technology and potential solutions "was presented by L.Kavishankar @ Research colloquium 2023 (RSC 23) "Quantum computing and emerging Technologies " on 14th March 2023 organized by SSN college of Engineering.

A paper titled "Exploring the Revolutionary Potential of Quantum Technologies in the Fintech Industry" was presented by L.Kavishankar @ Research colloquium 2023 (RSC 23) "Quantum computing and emerging Technologies " on 14th March 2023 organized by SSN college of Engineering

From the Online live certification course of "Quantum computing for Managers", Consultancy fund raised for Rs 50,000 to the Department of Computing technologies from <SQ|QUIC> lab.

Devandar Rao B and Ramkumar Jayaraman published a paper " A Novel Quantum identity authentication protocol without entanglement and preserving pre shared key information" in the journal " Quantum Information Processing, Springer,22,Article no: 92,2023.

## ***<SQ| QUIC> WEBINAR: (INDUSTRY EXPERTS TALK)***

**QKRISHI SRMIST SQ**

**"QUANTUM MACHINE LEARNING IN FINANCE FOR CONTINUOUS VARIABLE PREDICTION"**

**SPEAKER**

**PRATEEK JAIN**  
LEAD RESEARCHER, ARCHITECT  
QUANTUM COMPUTING/AI/ML, FRACTAL. HE IS  
ALSO AN IBM QISKIT ADVOCATE AND EDUCATOR.

**TUESDAY JANUARY 31**  
**TIME 7.00 PM IST**

**REGISTER FOR FREE**

<https://qkrishi.com/seminar-series-1>

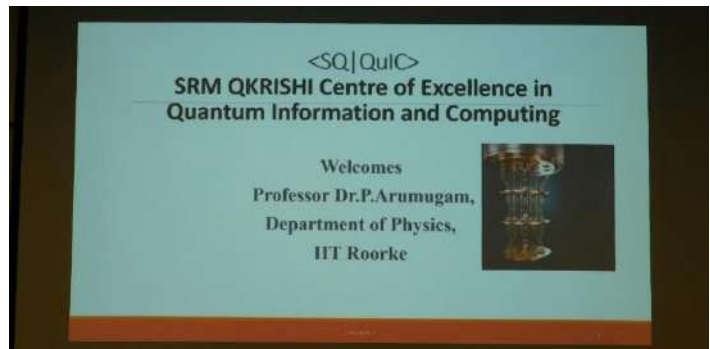
<https://qkrishi.com/> [contact@qkrishi.com](mailto:contact@qkrishi.com)

Prateek Jain,  
Quantum Architect (Fractal),  
Jan 31, 2023  
Topic: "Quantum Machine learning in Finance for continuous variable Prediction.



### Technical talk by Professor P.Arumugam,IIT Roorkee: ( Feb 10 2023)

SRM Qkrishi Center of Excellence in Quantum Information and Computing <SQ|QuIC>, have invited Dr.P. Arumugam, Professor, Department of Physics, IIT Roorkee, to our campus on 10-02-2023. His research interests include Theoretical Nuclear Physics, Hot and rotating nuclei, Proton emission, Neutron stars, Radio astronomy, Quantum effects in few-body systems and Quantum computing. He gave a talk on the research aspects of Quantum Computing. He gave inputs on the quantum projects demonstrated by quantum lab students.



### March 22 (Technical talk by BRIAN)

Brian is the founder of quantum startergy and author of quantum boost.



# ONLINE LIVE CERTIFICATION COURSE FOR INDUSTRY LEADERS ( 10 WEEKS) LAUNCHED ON 4<sup>th</sup> MARCH,2023 ) BY < SQ|QUIC>

Online Certification Course co-ordinator: Dr.M.Gayathri

## FACULTIES INVOLVED IN LIVE ONLINE COURSE:

- Dr. M. Gayathri (Live session on topic " Quantum Gates" was given on March 11 ,2023)
- Dr. P.C. Karthick ( Live session on topic " Quantum Computing" given on March 4 ,2023)
- Dr. G.K. Sandhia ( Live session on topic " Quantum Cryptography" given on March 18 ,2023)
- Dr.Kavisankar ( Live session on topic "Quantum use cases of Finance" will be in April 2023)
- Dr.Thilagavathy( Live session on topic " Quantum use cases on various Optimization problems "on March 25 2023)

## QUANTUM COMPUTING FOR MANAGERS

**Management Certification Course for Industry Leaders offered by Qkrishi and SRMIST**

**Starts on: March 4, 2023**

**CLASSES:**  
EVERY SATURDAY, 6-8 PM IST TILL MAY 6, 2023

**DURATION:**  
10 WEEKS WITH 2 HOURS OF WEEKLY LIVE ONLINE CLASSES

**ELIGIBILITY:**  
LEADER FROM INDUSTRY, GOVERNMENT AND ACADEMIA

**Qkrishi and SRMIST**



Quantum researchers and top-notch management faculty come together to offer a first-of-a-kind course in Quantum Computing

**Course Content**



- Introduction to Quantum Computing
- Hands on experience on actual quantum computers
- Quantum Computing Applications along with Case Studies
- Quantum Roadmap and Industry adoption (Getting your Organisation Ready for the Quantum Era)
- Capstone

**Get Quantum Skilled**



Build fundamental knowledge of Quantum Computing concepts and apply them in your company and industry

**Course For Leaders**



- Managers to create a Quantum Roadmap for their Organizations
- Technical Sales/Marketing Professionals to enter the Quantum Industry
- Government Leaders and Policy Makers to help them see the quantum agenda
- First-of-a-kind Management Development Program

**Business in the Quantum Era**



In 10 weeks gain a thorough understanding of how to use Quantum Computing in your business

**Taught by Experts**



- Top Quantum Research Faculty from Qkrishi
- Top Faculty from SRMIST
- World Leading Experts from Industry and academia



## EVENT SHOWCASE

### BUREAU OF INDIAN STANDARDS

06

JAN  
2023

#### *Bureau of Indian Standards foundation day celebration*

BIS conducted a quality connection programme. BIS officers trained the students and faculties on the procedures of the door-to-door campaign and the BIS CARF App. Volunteers who participated in the door-to-door campaign received T-shirts and caps. On successful completion of 25 houses near their location, they will be provided with a remuneration of Rs. 1500 by BIS.



17

FEB  
2023

#### *One-day training programme*

BIS conducted a one-day training programme for the resource person of BIS on February 17, 2023, in Hotel Turyaa, Perungudi, Chennai. The resource persons are shared with the various aspects of their roles and responsibilities



EVENT  
SHOWCASE



# PROFESSIONAL SOCIETIES

31

JAN  
2023

## ASI Student Chapter Inauguration

Analytics Society of India is the first and largest body of analytics professionals and organizations in India. It is a national level not-profit organization. The society was found by eminent personalities from Indian Institute of Management, Bangalore (IIMB) with an objective of promoting and propagating knowledge in the area of analytics. The members are from various blue-chip corporate organizations, educational institutions and individuals across the country. The inauguration of ASI student Chapter in SRMIST is a new journey for the students and faculties in the area of analytics



A faculty training session on data analytics was organized after the inauguration. Various faculty members from the university attended the session and gained the knowledge of understanding the latest developments and best practices in the field of data analytics. The session was initiated by Dr. S. Nagadevi, who introduced Dr. Dinesh Kumar and his achievements in the field of data analytics. It was an engaging and interactive session, and Dr. Kumar covered a wide range of topics and encouraged the faculty members to initiate the ideas in their teaching and research areas.



## IE(I) Student Chapter

30

JAN

2023

### Coding Contest

The coding contest aimed to provide a platform for participants to showcase their coding skills and enhance their problem-solving abilities. The questions were designed based on dynamic programming and greedy algorithms and the participants were given two hours to solve the problems. The participants were very energetic and vigorous in finding the solution. The problems were designed to test the participant's knowledge in programming languages, data structures, and algorithms.



### Short Film Contest

A Short film contest was conducted by the IE(I) students' chapter, Department of Computing Technologies, SRMIST on February 24, 2023 to identify the hidden talents of the students in audio and visual techniques. The competition enhanced the awareness and knowledge levels among the students which indeed reflects in the film as an end product.

24

FEB

2023



30

JAN

2023

### Hands on Session on "Machine Learning in Industry"

A session titled "HANDS ON SESSION ON ML IN INDUSTRY" was handled by Yenumula Harsha Vardhan Reddy, Senior Analyst, Strategy and Transformation, AB InBev, under the IE(I) student chapter. The agenda of the session was to give insights on how Machine Learning concepts are used in industry; also a hands-on session was provided by the resource person on the core part of Machine Learning. The main difference between theoretical learning and the industry perspective was covered in the session.





## Industrial Visit

The Institution of Engineers India (IEI) organized an industrial visit to Zoho Corporation, a leading software development company headquartered in Chennai, India. The IE(I) is coordinated by Dr. UmaDevi, Dr. Eliazer and Mrs. C. Jayapradha.

28

FEB

2023



01

MAR

2023

## Machine Learning Techniques for Healthcare Image Analysis with Hands-on

A 3 days hands-on session was organised in association with IEI & NVIDIA Deep Learning Institute. The event was convened by Prof. Dr.D.Malathy. Seventy three external and fifty four internal candidates actively participated in the training session. The main motive of this workshop is to acquire delegates, the fruitful knowledge on applying various ML techniques for analyzing medical images with demo and hands-on sessions.

Day 1 : The resource person, Dr. S. Pitchumani Angayarkanni, SRIHER, Chennai explained the impact of various machine learning techniques and Deep learning techniques .

Day 2 : The resource person, Mr. V. Chandran, Data science Consultant and NVIDIA Certified Instructor briefed about the pre-trained models like Data augmentation and deployment and described advanced Deep Learning Architectures and also showed a demo about the pertained model.

Day 3: The resource person, Mr. V. Chandran delivered the basics of Kernels and Convolution, Kernels and Neural Networks, other layers in the model.





# CTECH ASSOCIATION

ULTRON 6.0 - 2023 was conducted by CTECH Association and convened by Dr. M. Murali, Professor/ CTECH. The following events were conducted in ULTRON 6.0. Few events are listed below:

"Bringing the best of your Github" was conducted to our first year students on March 24, 2023 and it was coordinated by Dr. Sindhuja M, Assistant Professor/ CTECH, Dr. S. Ramesh, Assistant Professor/ CTECH and Sachin Gupta, II year/ J1 Section. The session was handled by our second year student speaker, Chinta Midhilesh V Sai Reddy from J1 Section. The first year students were made to explore the github.

An exciting event called "Roll- a- coaster" for the first, second and third years was conducted on March 24, 2023 and coordinated by Dr.B.Kanisha, Associate Professor/CTECH. The students explored themselves through this technical quiz. Our second Year students Kasi Viswanathan and Preethi from L2 section organised the session.

A gaming event, "Valorant Tournament" on March 23 2023 was convened by Dr. G. Ramya, Assistant Professor/CTech and coordinated by Ms. Ranjani M, Assistant Professor/ CTech. A preliminary event was conducted on 20-21 March 2023 and two teams got shortlisted for finals out of 8 registered teams. Final competition was conducted on March 23 2023 and cash prize was awarded for winner and runner up. The session was handled by our second year students Aniket Kumar and Sandesh Rajnath Rajbhar from M1 and D1 Section.



## CLUB ACTIVITIES

### *Liff- off Club*

The Liftoff club is proud to share some of its latest achievements with the university's community. Our club's mission is to help students build, ship, and capitalize on their side projects, and we are thrilled to report that we are making excellent progress in this area. Over the past few months, we have hired 25 people for various domains like Tech, Growth, Content, Design & Community.

The club taught the student cohort, different skills like Ideation, Product Management, Roadmaps, MVPs, No Code, Design, Growth in sessions over a course of 4 weeks. Currently, the club is moving ahead with 11 ongoing projects and 5 projects completed and launched. These projects grabbed an excellent response from users. One other project is "TrackSuite" to help people to make crystal clear fitness plans for their diets and exercise. We are excited to continue to help students in building their projects build and we look forward to sharing more of our successes and learnings in the future.



### *Proof of community 2023*

The Proof of community 2023 was a highly anticipated event in the decentralized technology community, attracting attendees from all over Chennai. The event enunciated the latest developments and advancements in the field of decentralized technology and its impact on various industries.

The Data Science Community, in collaboration with Prayasu from the Shardeum, organized a seminar and a hands-on session on the field of blockchain technologies.



## ***Research Club***

Two-day's workshop titled "FIRST DOCTORAL COMMITTEE TO VIVA VOCE DEFENSE" was held on 11th and 12th of January 2023. There was a diverse group of experts who provided the knowledge inputs exclusively for scholars. The workshop's primary goal is to facilitate a discussion of the entire process of conducting research in an efficient manner. The initial stage and most crucial part of any research project is coming up with a good idea for the study.

Dr. Subalalitha C.N. and Ms. Swathi Mirthika G.L, who opened the session with a more intellectual lecture, about where to begin and how to analyze the idea and its social value in the society.

Mr.Gowtham.R. conducted the second session and led a practical workshop covering the fundamentals of machine learning, from data preparation to classification and regression. He explained how to use Jupyter Notebook in Anaconda Navigator to implement the solution while using the diabetes dataset as an example. Towards the end, he covered many graphing options

Mr.Devendar Rao took over the next meeting as facilitator. He addressed the mathematical foundation behind machine learning models, as well as their numerous symbols, examples of partial derivatives, and what to expect when picking a model.

Ms. Janani K, following a lunch break, talked on bringing the Internet of Things into action with Tinker cad and Raspberry Pi. She introduced the topic of the Internet of Things and its practical implications briefly. There are a number of IoT phases, each with their own requirements. She then proceeded to introduce the embedded system and cutting-edge boards. She led an interactive workshop on Raspberry Pi and Tinker cad. At the end a handful of other simulation tools based on the Internet of Things.

Ms.Anusha T led the workshop's final session of day 1 on the topic "Applying research Concepts in IoT Wireless Networks". She delivered an interactive workshop on open source software and testing environments. She used IoT and its protocol stack in a real-world parking situation.

Dr. Anto Arockia Rosaline kicked off the second day of the workshop with a discussion of how to "Package your article into a Single Manuscript." She provided in-depth advice on composing a journal article, including what should be published, the qualities of a solid manuscript, the components of a research paper, and the many forms of journal writing along with the procedures used in proofreading

Dr.D.Vinod led the next discussion of the day on research methods and instruments. He talked about the value of tools and how the visualizations will look when a tool is employed. The SPSS tool, both in its data view and its variable view, have been addressed.

The next session was taken over by Ms.Sowmiya B, a complete discussion about the untold story in the journey of PhD. She gave more tips to the researches and the importance of maintaining Research Diary followed by Ms.Ida Seraphim, who provided a brief overview of the difficulties involved in deciding a new field of study. Additionally, she spoke about the importance of receiving technical direction from the supervisor as well as how to close skill gaps and find quick fixes technically.

The final session of the workshop was given by Dr.S.Saravanan, he gave a great session on data visualization. He discussed the different composition, grammar, rules of information design, and color choices. He also gave an introduction to the R language and its implementation



## *Insights of software Engineering and Project Management*

Dr. M. Suchithra, Ms.M.Ranjani, Dr.G.Ramya, and Mr. NAS Vinoth organised a one-day upskilling programme on software engineering and project management for faculty and students. Mr. Sivva Kannan, HCL, was the resource person and gave the best ideas on how to proceed with Agile methodology

31

JAN  
2023

## *IoT projects titled "IoT Project Expo"*

The department hosted an "IoT Project Expo" convened by Prof. Dr. G. Nirajana. Twelve projects were presented and evaluated by the Chief Guest, Dr. Fitri Yakub, of Universiti Teknologi Malaysia. A cash prize of Rs. 10,000 is bagged by the winners.

03

MAR  
2023

## *Webinar on "Women Empowerment Program on Women's Health"*

A workshop titled on "Women Empowerment Program on Women's Health" was conducted for Scholars and Programmers. The Speaker during her presentation / deliverables, focused on the various workouts and got a positive response from the

08

MAR  
2023

## Workshop on Mobile Application Development

21

MAR  
2023

A workshop on mobile application development was conducted on March 21, 2023, for non-teaching faculties. MS. Dhivya Soundarrajan, Senior Devops Architect, Advance Pro, handled sessions on Linux Containers and Python Scripts for the entire day.



## Project Expo 2023

23

MAR  
2023

On March 23, 2023, a one-day project expo was organised for the School of Computing students. Mr. Thamaraiselvam S, Faculty, Zoho Schools of Learning, Zoho Corporation Private Limited, Estancia IT Park, Guduvancherry, Tamil Nadu - 603202. Dr. P. Varalakshmi, Professor, Department of Computer Technology, Anna University-MIT Campus Dr. Shantanu Patil, Associate Director, IIEC, SRMIST, Kattankulathur, are the chief guests who visited the Expo and evaluated and appreciated the projects presented by the students. The students presented their model projects. Winner was rewarded with Rs. 25000/-, Second Prize and third prize winners were rewarded with Rs. 15000/-, and Rs. 10000/- respectively





## Bridge course on Cloud computing

20

MAR  
2023

The accelerated computing research group of the Department of Computing Technologies organised a four days "Bridge course on Cloud computing in connection with C-DAC from 20-23 March 2023". This course enabled our students to be readily deployable in companies in a futuristic way. It is a bridge course for 100 hours, including technical employability skills. The team visited directly from CDAC and handled the offline coaching for a batch of 150 students of various disciplines, viz., CSE, IT, Cloud, Big Data Analytics, AI.



## OUTREACH PROGRAMS

On February 10, 2023, Dr. B. Kanisha visited the State Institute of Rural Development (SIRD) in Maraimalai Nagar to deliver a crucial lecture on "Data Management and Security." The event aimed to help engineers from various Tamil Nadu Government departments better understand the security systems needed to handle confidential data. The lecture, attended by 30 government officials and engineers from around Tamil Nadu, provided valuable insights into the different aspects of data management and security. Dr. Kanisha's expertise ensured participants gained essential knowledge to effectively manage and protect sensitive information in their respective departments.





## ***Capacity Building Of Women For Health Emergency And Disaster Management***

Dr. E. Poovammal and Mrs. B. Sowmiya organized a six day STTP program on “Capacity building of women for health emergency and disaster management (CBW’23)”. Dr. Simon Lynch Associate Dean (International) from Teesside University, UK inaugurated the event. More than 60+ participants actively participated in the six days training program which includes live demo sessions for self-defense, emergency rescue, and women’s workouts. The special opportunity for the participants during the STTP was the field visit to Padur ecology park (EPIC) which is owned and maintained by Mrs. Santha Sheela Nair, Rtd. IAS officer. The overall outcome of the Six-day STTP is to discover what we are good at and where we need to improve.

As a part of the STTP (CAPACITY BUILDING OF WOMEN FOR HEALTH EMERGENCY AND DISASTER MANAGEMENT ) the participants visited an ecological park. Ecological Park, in particular is most valued for its tranquil setting. This Ecological Park owned and nurtured by Ms. Santha Sheela Nair, a retired IAS officer, is one of a kind. This park not only has varieties of native tree species but also create a dense canopy. “Any land, even a waste land can be revived with this type of planned plantation and conserved rain water,” says the Ex-IAS officer – Ms.Santha Sheela Nair. “We had these 30 cents of land with dry soil not fit to be cultivated anymore, the stagnant waters in this area have been irrigated by artificial means to bring them into this area. With few episodes of the process, we could see a magic of bloom in this parched land.” The park with all its bliss attracts the birds of more than 40 species in the mornings.



### ***Ecological Park Emphasizes Natural Cycles and Sustainable Solutions***

Sheela Nair highlights the importance of species interaction and natural cycles in ecological parks. The park promotes mushroom cultivation with homemade nutrients and utilizes waterless Ecosan toilets to recycle nutrients from excreta for agriculture.

### ***A Pioneer in Eco-Agriculture and Conservation***

Sheela Nair’s passion for conservation led her to establish an eco-park in Padur, complete with a fossil showcase, rainwater harvesting, and a serene space for meditation and education.

# 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 alumni:***

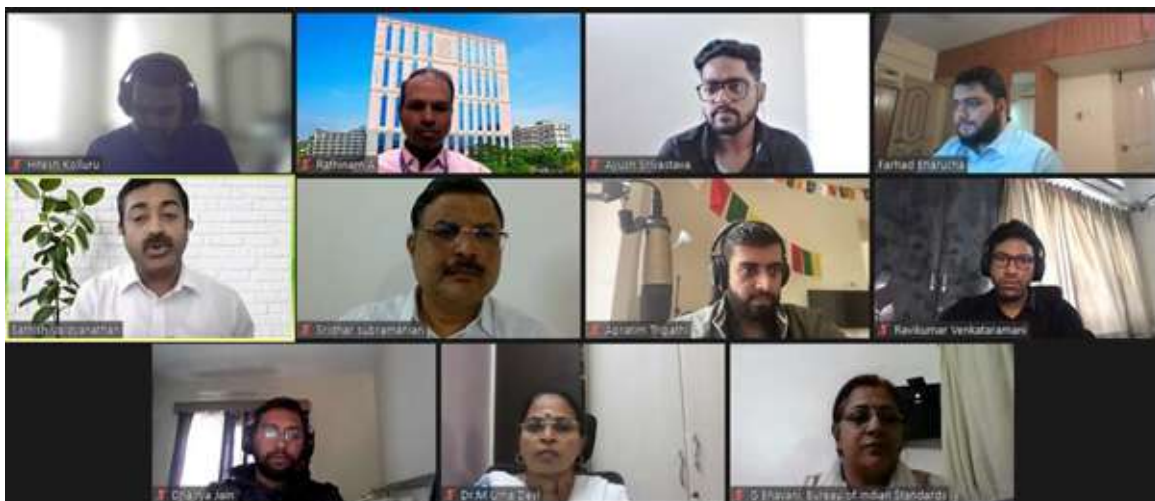
## Panel Discussion On "Industry Relevant Course Delivery and Teaching Approach"

07

JAN  
2023

The Department of Computing technologies conducted a panel discussion on "Industry Relevant Course Delivery and Teaching Approach". Mr Sathish Vaidyanathan, Senior Director, Paypal acted as the moderator. The Panelist were

Dr S S Sridhar	- Professor(CTech)
Dr Ratinam	- Director(DAA)
Mrs. Bhavani	- Scientist & Head(1991 – Civil)
Ravikumar Venkatramani	- Alumni(2007 – EEE)
Apratim Tripathi	- Alumni(2019 – CSE)
Ayush Srivastava	- Alumni(2020 – CSE)
Farhad Bharucha	- Alumni(2020 – CSE)
Hitesh Kolluru	- Alumni(2019 – CSE)
Dhairya Jain	- Alumni(2020 – CSE)
Rajewari Swaminathan	- Alumni(2019 – CSE)



## How To Build Your Career in AI

24

FEB  
2023

Mr. Tanmay Agarwal, Associate Software Engineer for KORE-AI, Hyderabad is a member of the AI team, Kore-AI working on imparting learning on machines. Tanmay spoke on the Topic "HOW TO BUILD YOUR CAREER IN AI". He spoke on the importance of placement and elaborated about various AI Algorithms, AI in industry and AI Career.



## Mock Interviews

25

FEB  
2023

Ms. Lavanya Krishnatra , Developer in Standard Chartered GBS, Bengaluru, Mr. Faizan Zargar, Security Engineer in OLA, Bengaluru and Mr Kausla Vamsi, Software development Engineer ,Amazon Web Services (AWS),Hyderabad interviewed 10 students related to both HR and Technical. After interviewing the students they briefed about the strengths and weakness of students , also advised them on how to overcome the deficiency.



28

MAR  
2023

## What next after bachelor's...!! How to tackle the World!

Mr. Jayanth Reddy Bogasamudram Software development Engineer working with Amazon Web Services (AWS), Redmond, Washington, United States also an alumini who passed out in the year 2020 explained about various job opportunities and how to apply for it and get placed.



## SATURDAY TALK

S NO	NAME	DATE	TOPIC
1	Janani k	21.01.2023	How to choose journals
2	Danu R	18.02.2023	A Methodology for Testing ML Models
3	P.Prema	25.02.2023	Satellite Image Processing using QGIS
4	Ashwini E	11.03.2023	Agricultural Maintenance System with Auto-matic Tools



# PONGAL CELEBRATION

The School celebrated Thai Pongal- a festival to remember all goodness and mercies and to look forward to a prosperous year, The students and faculties displayed themselves in traditional dhotis and sarees to mark the occasion. Our Students and staff dynamically performed through dances , skits, mimes, and songs. It was an ambience filled revelry, music, dance and the joyful faces reverberated with big smiles



## WOMEN'S DAY 2023

The Department of Computing Technologies celebrated Women's day on March 8th 2023. Dr. Revathi Venkatraman, Chairperson, SOC, felicitated the function with a cake cutting. The Department head , Dr. M. Pushpalatha, enlightened and encouraged the women faculties through her motivational speech and a wonderful song . Our Senior women professors also joined her which made us to lent our ears for a while .The hidden talents of our women faculties are explored through dances, games and songs. I Ms.Poorani, AEKA Herbal cosmetics pvt ltd, Entrepreneur & Motivational speaker facilitated the event





## Invitation

### FOURTH INTERNATIONAL CONFERENCE ON INTERNET OF THINGS (ICIOT' 2023)

**April 26<sup>th</sup> to 28<sup>th</sup> 2023**

*Organized by*

**Department of Computing Technologies  
SCHOOL OF COMPUTING  
SRM INSTITUTE OF SCIENCE AND TECHNOLOGY  
Kattankulathur - 603 203, Tamil Nadu, India**

**Date & Time: 26<sup>th</sup> April 2023, 09.30 am**

**Venue: Mini Hall I - Dr. T.P Ganesan Auditorium, SRM IST, Kattankulathur**

#### Chief Guest



### Dr. Sangeeta Maini K M

Chief Executive Officer  
I-HUB Quantum Technology Foundation (QTF), IISER, Pune

#### Guests of Honour



**Dr. Ling Tok Wang**  
Emeritus Professor  
National University of Singapore



**Dr. Khalid Elgazzar**  
Canada Research Chair in IoT  
Ontario Tech University, Canada



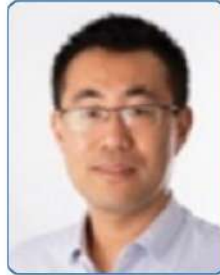
**Dato' Dr. Shamala Subramaniam**  
Professor  
University Putra Malaysia, Malaysia



## EMINENT SPEAKERS



**Dr. Lipo Wang**  
Professor, Nanyang Technological  
University, Singapore



**Dr. Shuai (Steven) Li**  
Professor, University of Oulu  
Finland



**Dr. Harilaos Koumaras**  
Research Assistant Professor  
IIT, Greece



**Dr. Anand Nayyar**  
Assistant Professor  
Duy Tan University, Vietnam



**Dr. Fitri Yakub**  
Senior Lecturer  
MJIT, Malaysia



**Mr. Senkathir Selvan Suriaprakasam**  
Business Owner- TCS DigiFleet



**Dr. Pradheep Kumar**  
Associate Professor, BITS, Chennai



**Mr. Karthikeyan**  
Product Security Leader, Logitech.



**Mr. Aravind Ramachandran**  
Senior Sales Manager - Didactics Initiative,  
JANATICS India Pvt. Ltd.,



## ICIoT' 2023 - Conference Keynote Speakers and Events

### 26<sup>th</sup> April 2023 (Day 1)

**09.30 AM - 10.10 AM**

11.00 AM – 12.00 PM

12.50 PM – 01.50 PM

12.50 PM – 01.50 PM

12.50 PM – 01.50 PM

12.50 PM – 01.50 PM

#### Conference Events

Time: 10.30 AM – 4.00PM

#### Conference –Workshop

#### Inaugural Function

**Dr. Sangeeta Maini K M**, CEO, I-HUB Quantum Technology Foundation (QTF), IISER, Pune

**Dr. Anand Nayar**, Assistant Professor, Duy Tan University, Vietnam

**Dr. Shuai (Steven) Li**, Professor on Autonomous Manufacturing, Robotics and AI, University of Oulu, Finland

**Dr. K. Pradheep Kumar**, Assistant Professor, BITS Pilani

**Dr. R. Ananth Kumar**, Chief Innovation Officer, IIEC

Start-up Expo & Open House Project Expo

**Forenoon:** Understanding and Introduction to RP/OS Installation on SD Card

**Afternoon:** OS Configuration / Network Setup / GPIO

### 27<sup>th</sup> April 2023 (Day 2)

09.15 AM – 10.15 AM

09.15 AM – 10.15 AM

09.15 AM – 10.15 AM

12.50 PM – 01.50 PM

12.50 PM – 01.50 PM

02.00 PM – 04.00 PM

05.00 PM – 06.30 PM

#### Conference Workshop

**Dr. Ling Tok Wang**, Emeritus Professor, Department of Computer Science, School of Computing, National University of Singapore

**Dr. Shamala Subramaniam**, Professor, Universiti Putra Malaysia, Malaysia

**Mr. Senkathir Selvan Suriaprakasam**, Business Owner – TCS DigiFleet

**Dr. Harilaos Koumaras**, Research Assistant Professor, IIT, Greece

**Dr. Fitri Yakub**, Senior Lecturer, MJIT, Malaysia

Panel Discussion

#### Cultural Fest

**Forenoon:** Understanding Linux / Understanding Python /

**Afternoon:** Project 1–5

### 28<sup>th</sup> April 2023 (Day 3)

09.15 AM – 10.15 AM

09.15 AM – 10.15 AM

09.15 AM – 10.15 AM

09.15 AM – 10.15 AM

#### Conference Workshop

02.30 PM - 04.00 PM

**Dr. Khalid Elgazzarr**, Canada Research Chair in IoT, Ontario Tech University, Canada

**Dr. Lipo Wang**, Professor, Nanyang Technological University, Singapore

**Mr. Karthikeyan**, Product Security Leader, Logitech.

**Mr. Aravind Ramachandran**, Senior Sales Manager – Didactics Initiative, JANATICS India Pvt. Ltd.\*

**Forenoon:** Project 6–14

**Valedictory Function**



**குறள் 795:** அழச்சொல்லி அல்லது இடித்து வழக்கறிய  
வல்லார்நடபு ஆய்ந்து கொளல்.

**Azhachcholli Alladhu Itiththu Vazhakkariya  
Vallaarnatapu Aaindhu Kolal**

You should examine and secure the friendship of those who can speak so as to make you weep over a crime (before its commission) or rebuke you severely (after you have done it) and are able to teach you (the ways of) the world.



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