

The Official Newsletter of Computing **Technologies**















SPRINKLERS

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EDITORIAL MESSAGE

Dear Readers! Greetings to All.

It gives me immense pride to retrospect on all our numerous achievements in the previous quarter through Computing SprinklersImbued in the high values of a well-rounded education at the department of Computing Technologies, we celebrate the achievements of our students, faculty and our beloved institution in this newsletter, a quarterly endeavor of SRMIST. This is a record of all our activities during the past quarter from April-June 2022, as well as the accolades and memorable moments that add colour and nostalgia to the multifaceted nature of life in this Department.

It has been an exceptionally challenging Quarter, but I commend the sheer hard work and enthusiasm of all CTech Team, who have joined hands with us to become act like companions and emerging winners. We have organized webinars, online events, debates and competitions, activities committees and conduct of conferences, Placements, project Expo's. Newsletter Coordinator We have maintained our belief in community outreach and selfless service through many activities of the department and Women's Day functions and celebrations.

Academia during the pandemic crisis has been sorted and continued with passion and fervor. We have already shifted to digital platforms and knowledge exchange has been consistent through interactive online classes and regular mentoring of students at every level. Success and achievements are to be celebrated. If you believe in yourself, you can do something extraordinary in life and 'make things happen' and live a life unshackled by fears.

"I believe that achievement, of whatever kind is, the crown of effort. With the aid of self-control, resolution, purity of purpose and well-directed thought, a person will excel, in spite of all odds"

"If you can dream it, you can do it." Walt Disney. Stay safe, stay connected.

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



Dr. B.Amutha Professor SCO Newsletter Head

NEWSLETTER TEAM



Dr. M.Suchithra



Dr. B.Kanisha Proof Reader



Dr. R. Renuka Devi Content Writer



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Dr. Shiny Irene Content Writer



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Mrs. M. Ranjani Content Writer



Mr. N.A.S Vinoth Content Writer



Ms. Veena Content Writer

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MESSAGE FROM VICE CHANCELLOR



Prof. C. Muthamizhchelvan, Ph.D Vice Chancellor



MESSAGE

It gives me immense pleasure to pen a note for the School of Computing's department newsletter. It is undoubtedly a perfect medium to cater to expressions, challenges, peer-to-peer influences, and many other activities executed at the department level. And when it comes from the School which houses today's trending technologies, it paves the way for a basket full of opportunities. The last three editions from all the four departments have considerably showcased their strengths and applied able attempts of both students and faculty members in many initiatives and research, which signifies that the team is gearing up towards an ambitious path.

Ever since the inception of SRM Engineering College in 1985, we have meticulously extended our services with utmost dedication and diligence. Therefore, as a result our institution has become one of the leading higher educational institutions in the country. This year's NIRF 2022 (National Institutional Ranking Framework, MoE) ranking is one such great achievement, where all the hard work and systematic team efforts have led us to the new heights of success.

In line with the National Education Policy 2020, I strongly feel that this is the time for us to reflect, modify, consolidate and reset our benchmarks so that we remain competitive as well as yet be mindful of being good human beings. Let us be meticulous in our pursuits and aim at excellence for self and the institution. Keeping an open mind, inviting fresh ideas, setting the direction and pacing to reach the next milestone of iconic excellence in the changing education space should be our aim. Let us unfold our vision for the institution and instil the desire to do better than yesterday. I wish the entire team to continue their good efforts in creating awareness, sharing their success stories to others.

Prof. C. Muthamizhchelvan

VICE CHANCELLOR SRM Institute of Science and Technology SRM Nagar, Kattankutathur - 603203 Chengalpattu Dist. Tamilnadu, India.

MESSAGE FROM REGISTRAR





Message bulletin from our Registrar Prof. S. Ponnusamy. Ph.D.

Registrar

"Winners are not those who never fail but those who never quit". --- Dr.APJ Abdul Kalam

SRMIST ceaselessly strives to ensure that its students become its ambassadors once they graduate, spreading knowledge, wisdom, fair play, morality, integrity and above all love, thus making the world a better place to live in. Being the best indicates providing outstanding education quality, underpinned by sound pedagogical principles and practices, industry research collaborations, national and international engagements, with practical and relevant education to students, so that we make every student shine in the industry relevant to them.

We truly believe in the provision of quality education. Emphasis is given to improve skills of learning and wholesome personality development. In this regard, SRMIST aims to provide its employees and students with appropriate training, learning opportunities, and create an environment that fosters their development.

SRMIST has readily adapted to the global demands and has spontaneously geared up to meet the global challenges by harnessing the latest technologies in education and research fronts. The School of Computing has been introducing many interesting specialization programmes and elective courses, which are in line with the trending technologies, with a view of supporting the possible cross discipline education and research. This is the need of the hour, where the world is running in the digital era. The School has indeed been in stride of upgrading its infrastructure to meet the industry needs. The move towards interdisciplinary studies, research based and interactive learning with technology integration have opened up several options as well as has created multiple challenges and opportunities towards innovation.

Our collective resilience yields powerful evidence of our progress in achieving the ambitious goals of Graduation for our budding professionals. The journey does not end here... for in the years to come, as we traverse the extra mile, we endeavour to make SRM a global reference in the academia and the industry. Let us continue this momentum to scale up further, though the competition is tougher and tighter as we move up.

Hearty congratulations to the newsletter team from School of Computing for showcasing what we have achieved in recent times. My Best Wishes to all!

Dr. S. PONNUSAMY, Ph.D.,

Registrar SRM Institute of Science and Technology

MESSAGE FROM DEAN



We are truly a vibrant community where aspiring students prepare themselves to be responsible leaders and lifelong learners through rigorous engineering education. With students in India seeking more interdisciplinary programs and flexibility in course curriculum, SRM IST provides a holistic learning environment and ample opportunities for leadership by developing their skill sets required for their career growth.

Collaboration across disciplines, between departments cum schools is what we are working on, to address global and multifaceted societal challenges. A multidimensional outlook is always necessary for dealing with complex issues and finding apt solutions for our professional development and progress. The School of Computing has been exceptionally doing good in this aspect. We can see the extended collaborative initiatives been taken to work across multi disciplines.

Our strong connections with alumni, industry and international institutes ensure that there is no latency between the industry expectations and the curriculum offering, making education and research at SRM the best in the league. The year has had a great leap in leveraging the funding opportunities from Government of India, international institutes and industries to set up latest technology equipped laboratories and courses on emerging technologies. One such, for us to be delightedly proud is to have funds sanctioned under the Promotion of University Research and Scientific Excellence (PURSE) Scheme, DST with a total outlay of Rs. 14 Crores for developing electric mobility infrastructure and supporting networks. The PURSE project is very rarely sanctioned for the private universities and institutions.

We have initiated the students' counseling cell, department wise. The motto is to suggest and make the students understand and realize the need for their well-being, which will empower them with life skills needed to face the challenges in this dynamic world. The cell will dedicatedly motivate the students to identify their inner strength for their holistic development.

As I look back at a very successful year, I cannot help but beam with pride at the hard work and fantastic learning taking place every single day. The newsletters from the School of Computing have successfully done their best in providing the jist of departmental activities quarterly. I am honoured to be part of a team of people who are committed, compassionate and keep SRM flag flying high.

It's time now for me to wish you all a very productive academic year ahead with promises that are to be an even more action-packed.

All the best!

Prof. T. V. Gopal Ph.D

College of Engineering and Technology

MESSAGE FROM CHAIRPERSON'S DESK



Warm Greetings!

We have successfully stepped into the new academic year, after a year of blended expected and unexpected experiences. The year that started with the enormous challenge of online teaching and learning, saw its gradual transformation to physical mode of education.

This time our school has had a visionary focus towards many initiatives in introducing the emerging technologies to our students. Industry supported courses in Augmented and Virtual Reality technologies, Distributed Computing, Data Science, Full stack, Information visualization were offered as professional electives to the undergraduate students across the school. Integrated post-graduation courses were rolled in Cyber Security and Data Science domains.

We are proud to see our students this year being placed in top notch companies, with a remarkable placement record of 97.58% despite the global situation. While some students have well nurtured their entrepreneurial skills and have grabbed the opportunities to own and lead their start-ups, the rest have chosen to extend their academic journey abroad.

The year was successful for many faculty members who have tried their hands in consultancy ventures. Technical and academic research has taken its heads up with notable government-industry-international tie-ups and collaborative activities. This academic year our top priority lies in procuring external funded research grants.

Looking to the future, the school's vision is to address and work towards the NEP 2020 and UN's Sustainable Development Goals. We are sure of getting there by fuelling initiatives by growing our faculty-student breadth and talent, and augmenting our infrastructure to support state-of-the-art education, learning and research.

SRM's School of Computing strives to fulfill the dreams of its students as Meritorious Professionals of the future!

Dr. Revathi Venkataraman
Professor & Chairperson
School of Computing

MESSAGE FROM HEAD OF DEPARTMENT



Greetings !!!.

Technology at the pace with which it is changing, demands a mix of creative and innovative skill set for an Engineer to be successful. Creativity has been pegged to conducive environments, perfectcollaborators and personality traits. The faculty and student community were prompt in upgrading themselves to new platforms and was experimenting new avenues for sharing information. One such step to harness and promote the contributions of our students and faculty is SMART SPRINKLERS, the departmental newsletter which offers a platform for the faculty and students to spotlight their talents in various technical and non-technical domains. I congratulate the faculty and student of the department who overwhelmingly responded with contributions in various fields. All the very best and keep up the good works.

Dr.M.Pushpalatha
Professor and Head
Department of Compuiting Technologies



Be the critical thinker to take challenges in the professional world with ease

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.

New Joiners

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

Dr. B. PrakashAssistant Professor

Dr. C. Ashok KumarAssistant Professor

Dr. R. Thamizhamuthu *Assistant Professor*

Dr. K. AnithaAssistant Professor

Dr. P. NancyAssistant Professor

Dr. M. Suresh AnandAssistant Professor

Dr. A. DevipriyaAssistant Professor

Dr. M. SuganiyaAssistant Professor

Dr. L. SathyapriyaAssistant Professor

Dr. J. Nithyashri *Assistant Professor*

Dr. M. KandanAssistant Professor



"A promotion is a sign of the three critical S's-Sincerity Sacrifice and Success."

Dr.M. Murali, Professor

Dr.G.Niranjana, Professor

Dr.R.I.Minu, Professor

CONGRATULATIONS

"Success is where preparation and opportunity meet."



Hearty congratulations to **Dr.K.Deepa** for making a successful entry in the global e-Learning platform UDEMY with the course "Introduction to Computational Logic". This was first of its kind in the arena and entire CTECH team proudly honour the achievement.



Malavika Bansod II year

Department of CTECH takes immense pride to appreciate our budding champion

Malvika breaks into Top-50

We shall be shall be

CONGRATULATIONS



ANSHUMAN SINGH (RA1811003010460) Section:H1

IV Year [2018-2022]

Company Name:

Amazon

Salary:

1 Crore 15 Lakhs per Annum

Faculty Advisor:

Dr. L. N.B. Srinivas

II Year [2020-2024]

Company Name:

D.E. Shaw

Salary:

40 to 45 Lakhs per Annum

Faculty Advisor:

Dr Ramkumar J



AADIT BHARGVA (RA2011003010920) Section:D2



Aditya Singhal - RA2011003011090 Second year CSE, Got excellence certificate by coding ninjas course of DSA with c++. Completed 100 level1 questions in OODP Elab and got the certificate from Directorate of learning and development, SRMIST. Completed self-paced online course on git and github from GeeksforGeekscourse.



Tanishq Kashyap (RA2011003011104) II year CSE, Got participated in Smart India Hackathon 2022 conducted by SRM Innovation Incubation and Entrepreneurship Centre.



ABHAY LAL - RA2011003010014, offered a collaborative learning experience in Data Analytics using Deep Learning, with "The Global Academic Internship Programme (GAIP)", by National University of Singapore (NUS) and Hewlett Packard Enterprise (HPE) during 02-June-2022 to 02-July-2022.



Shubham Gupta - RA2011003011115, Second year CSE, got certified titled "Getting started with AI on Jetson Nano" from NVID-IA Deep Learning Institute and also got certified for an online course on "Frontend Development – HTML" from Great Learning Academy.



Team DOPEFAM, with NIKHIL KUMAR - RA2111003011723, KISHAN PANDEY - RA2111003011759, PARAMPREET SINGH-RA2111003011763, ABHILAKSHYA ANAND - RA2111003011737, Participated in Ultron 5.0 BGMI Event and got third prize

PRIYANKUSH KASHYAP (RA2011003011110) Second year CSE, certified for completion in online course titled "Beginning C++ Programming — From Beginner to Beyond" from Udemy, "Foundations of User Experience (UX) Design" offered by Google through coursera, participated in Smart India Hackathon 2022 conducted by SRM Innovation Incubation and Entrepreneurship Centre and also he designed the department handout for the year 2022.



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Akshay Narisetti has achieved AWS CERTIFIED SOLUTIONS ARCHITECT ASSOCIATE. The achievement comes after AWS CERTIFIED CLOUD PRACTITIONER both of which were achieved in a duration of one month. He has Gained enormous knowledge in both hybrid and Cloud native environments.

Akshay Narisetti, Yazid Marzuk, Parth Sundarka, Vaibhav Jajodia have been awarded hardware, namely two Robotics kits by Eyantra Cell IIT Bombay for qualifying into the final stage of Eyantra International Robotics Competition. The Team worked on the theme Functional Weeder, which involved functional programming. The team has worked on various path planning algorithms, Communication Systems and Producer Consumer based Publisher Subscriber Model.

Shreeroop Nilakhe, First Year CSE, built a Robot which solved the challenges given by the Team in FIRST Tech Challenge (FTC) and won a Motivate award and Ranked 12 in robot games all over India.

Amokh G Nair - RA2111003010913, First Year CSE, Won Gold Medal, in Table Tennis at AIU SOUTH ZONE UNIVERSITY TOURNAMENT.

Allen Jerome - RA2011003011167 and Jeyanth prakash - RA2011003011166, Second year, has organized the CTECH SPORTS TECH EVENT conducted by Department of Computing Technologies from 19/05/2022 and 21/05/2022.

A team of 4 students include Chetas Shree Madhusudhan - RA2011003011120 Won Defense Innovation Hackathon - 2022, with Team Code - SRMSW013, Team name - RUBIX, titled "Tracking to and fro motion of fishermen" that was held on 20 & 21st May 2022 organized by SIIEC and also exhibited their work in 3 days Defense and Technology Expo at Chennai Trade Centre, Nandambakkam from 26th to 28th 2022.

Sahana Bharatwaj - RA2111003010915, First Year CSE, Got Second Place in Mono-acting.



Ganesh Chappi - RA2011003011170, Second year CSE, has participated in the singing competition conducted by Sri Venkateshwara Bhakthi Channel, Tirumala Tirupati devasthanams on 06/06/2022 and crossed the quarter finals round.



Kondapalli Abhiram, G Ashwin, Jeyanth Prakash P, V Allen Jerome of Second year CSE, acted as Student Organizers of CTECH SPORTS 2022 held during 19th - 21st May 2022.



Kavin Chandar Arthanari Eswaran, Akshat Prakash Srivastava students of Final Year CSE, along with Gayathri M, Assistant Professor got Best Paper award "International Conference on Deep Sciences for Computing and Communications-2022" organized by Department of Computational Intelligence, School of Computing, SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu, India during 17th & 18th March 2022.

Aadit Bhargava (RA2011003010920), Muhammad Waseem (RA2011003010905), Sumanshu Anand (RA2011003010928), Satvik Kumar (RA2011003010968), Priyal Mittal (RA2011003010933), Sakshi Shruti (RA2011003010924), Arpita Singh (RA2011003010937), Abhinav (RA2011003010940), Aastik Sharma (RA2011003010718), Jai Sinha (RA2011026010395), Mohnaa Ghosh (RA2011003010108) participated in an online coding event — "Return 0". The event took place on April 29th April 9PM—11PM on the platform "HackerRank" where participants were required to solve 6 algorithmic questions in a short time frame of 2 hours. Over 100 people registered for the event, making it the first event conducted by the club quite popular. The event was a huge success, with over 220 code submissions and 29 active participants, with 5 of those participants being able to solve all 6 problems in the stipulated amount of time. A congratulatory email and a certificate were sent to the participants after the event took place and the winners were declared.



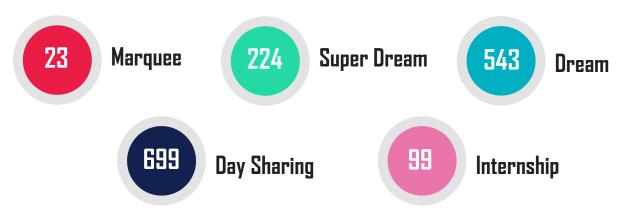


Amokh G Nair, I year CSE, got 1st Runner up in Table Tennis and Won silver medal in Khelo India University Games.

Campus Placement

Batch: 2018-2022

The campus placement scenario for the Batch 2018-2022 has been very encouraging. A total of 216 companies from various sectors have already participated in the recruitment process. A total of 946 students of which 753 students are taking part in the campus placement. The feedback on the performance of the students received from the recruiters is excellent.



Multiple Offers:

In Total 725 students got multiple offers, out of which 1 student got 6 offers, 5 students got 13 offers, 64 students got 4 offers, 167 students got 3 offers and 253 students got 2 offers.

Internships Opportunities:

During the internship program, many top-notch companies visited the campus. Students, got an opportunity to work as an intern in such prestigious companies and many students also received pre-placement offers during the internship program.

Batch: 2019-2023

The placement season for the batch: 2019-23 is started and successfully moving on for the 17 sections of UG students. 782 students enrolled for campus placement, 186 students opted for higher studies and 1 student is interested in entrepreneurship. Two companies named; UIDAI and Hexagon provided 4 and 1 internship offer respectively. Till date, 40 companies visited SRMIST for recruitment process and 32 companies has offered the placement opportunity. As on date, 5 students from PG got placed with an average of 10.4 lpa.



SUCCESSFUL AND UNSUCCESSFUL PEOPLE DO NOT VARY GREATLY IN THEIR ABILITIES. THEY VARY IN THEIR DESIRES TO REACH THEIR POTENTIAL

Government Internship

Sarvottam Kumar Mishra, received an Internship opportunity in Web 3.0 Projects with FinTech Division at International Financial Services Authority, **Government of India**, which commences on 01.08.2022.





Dated: 1st June 2022

Dear Mr. Sarvottam Kumar Mishra,

Ref: Your discussions for Internship opportunity with FinTech Division at International Financial Services Centres Authority(IFSCA) in connection with the 'Call for Action Segment' of the InFinity Forum 2021.

 With reference to the above, the International Financial Services Centres Authority (IFSCA) is pleased to offer you an internship for a period of two months commencing on 01.08.2022, subject to monthly review.

Some of our top Recruiters



CONGRATULATIONS

MARQUEE PLACEMENT

Aditi Khaitri Microsoft



Krishna Teja -Intel Technologies



Bidyut Biswas -Reverse Labz



Aditya Shukla -Paypal



Rohan Sachdeva -Commvault



Rishabh Sharma -ARM Embedded



Harshit Raj -Play Simple



Sanskriti Khare -Adobe



Siva Gowtham Reddy - Pay Pal



Swarnabha Das -Reverse Labz



Tapish Sharma -Pay Pal

Alumni Corner

Future Possibilities after college Higher education or jobs

Ms. Binti Deka is a Google cloud marketing strategist at Evonence. She graduated from SRM in the year 2017 and is currently pursuing her Masters of Business Administration Degree from IIM Kozhikode. She worked as a senior associate manager in Onco.com for 2 years. She gave through knowledge about the Future Possibilities after college Higher education or jobs. Students had a clear idea how to proceed after the college.





Hackathons & Higher Studies

Mr. Sumanth gave an excellent talk on the higher studies and hackathons. He has given insights and importance of participating in Hackathons and higher studies. Sumanth have done his masters in University of Illinois at Chicago. He has attended 21 hackathons and won at some bigname hackathons like Facebook Global Hackathon, TechCrunch etc. He is currently working as a Technical Architect at Vitech Systems Group, New York, US.

Frontiers Of Artificial Intelligence in Medical Diagnosis

Dr. Rohini. P is currently serving as an Assistant professor in the Department of Electronics and Communication Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram (IIITDM Kancheepuram), an institute of National importance. Dr. Rohini was trained in advanced image processing algorithms, brain imaging toolboxes such BSE, BET, Brain suite, SPM12, and coding platform like MATLAB python during this tenure. Post Ph.D, Dr. Rohini received a predoctoral fellowship offered by IIT Madras to continue the research work at NIID lab. In 2021, Dr. Rohini received the opportunity to join as Assistant Professor in IIITDM Kancheepuram. Dr. ROhini gave an excellent talk on the FRONTIERS Of Artificial Intelligence in Medical Diagnosis.



Alumni Corner



Mr. R.Madan Mohan, started his own start-ups in 2021 named "Takshashila and Rinex". He is an Director and Head of Sales@ Takshashila and Business Development Manager @ Rinex.He has an authorized Certification Partners from IIT Kharagpur Ecell, IEEE, and Microsoft MTA. Takshashila and Rinex is an edutech platform which is meant for the growth of all Engineering Students where they are able to upskill their technical knowledge in their respective domain. Mr.Madan Mohan recruited 4 students in oncampus at 8LPA CTC for his startup Rinex. The tie up and collaboration with Rinex was initiated by Mrs. Jayapradha.], Assistant professor, Computing Technologies.

Job or Higher Studies ? After Graduation

Mr. Pranay Prakash is an experienced Operations Executive with a demonstrated history of working in the e-learning industry. Skilled in Operations Management, Training Delivery, English, Teamwork, and Team Leadership. Strong operations professional with a Bachelor of Technology - BTech focused in Computer Science from SRM University. Mr. Pranay clarified the doubts of many students and gave them better idea how to proceed after graduation.



GRE Preparation strategies for test takers

Mr.Angad Singh is an expert in Product development, working with Volante Technologies for the last two years as Associate Software Engineer. He worked as a software designer in various Volante Designs and projects. He worked on enhancing Report Generation in Volante Designer, including new formats, styling options, and Ant/Maven/Gradle support. He passed out of SRM Institute in the year 2020. Angad Singh spoke about all the aspects of preparation for GRE exam. He also clarified all the doubts raised by the students.

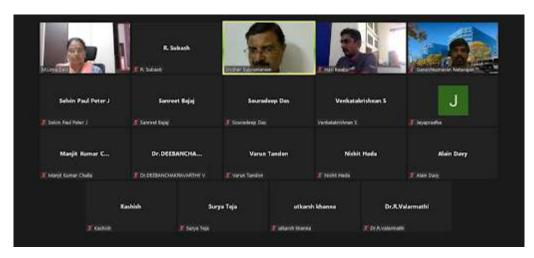
Automative Electronics - An other Side of placement oppurtunities

Mr. Hemamadav is an Embedded Software Engineer Brigosha Technologies, Bengaluru. He was pursuing B.tech CSE in SRMIST. He gave an excellent talk and insights on the other side of placement opportunities. He paved the way to think in different angle of the placement opportunities.



A day with our Alumni

The department of Computing Technologies planned a day with our alumni's. There was a discussion on the enhancement and improvement for the curriculum. The Team had 20 alumni's along with Dr. Revathy Venkatraman, chairperson, school of computing, Dr.M Pushpalatha, Head of the computing technologies, Dr. Sridhar S.S., professor, computing technologies and the Alumni coordinators Mrs. Jayapradha, Dr. Uma Devi, Dr. Selvin paul, Dr. Deeban Chakravarthy and Dr. Subash. The alumni's present in the discussion are Mr VenkataKrishnan(1995), Subha Vani Priyadarshini(1996), Valarmathi (1999), Hari Babu V(2011), Ganeshkumaran Natarajan(2011), Kiruthika(2011), Manjit(2011), Srikanth Vadduri(2011), Nishit Hada(2019), Apratim Tripathi(2019), Ritik Jain(2019), Utkarsh Khanna(2019), Ayush Chowdry(2019), Varun Tandon(2020), Shivam Saraswat(2020), Kashish Mukheja(2020), Sampanna Purshottam Bhutada(2020), Sanreet Balaji(2020), Pragati Singh(2020), Surya Teja(2020), Aayush tripathi (2020), Sourav Singh(2020).



Various suggestions were given by the alumni's regarding the improvement of the curriculum. The few suggestions are

- 1. From a perspective of an Analyst, the importance of Analytical tools and languages in the IT industry like MS Excel, R, Python, Tableau, Power BI are highlighted.
- 2. It is really important for a fresher to understand how you can extract data, analyse and then using the visualization tools, one can come up with the dashboards using Tableau to help deliver the results.
- 3. Cloud computing and various cloud provider should be included in the curriculum as it plays a major role in the IT industry.
- 4. More practical sessions should be incorporated in the curriculum.
- 5. One of the easiest language as a beginner you can learn without difficulty is python which does not required extra fee or any previous courses because it is also available online for free.
- 6. Accumulated lab work during lab sessions strengthen the student to achieve more of his capabilities for example if they are working on a project about cloud technology which is a very complex system such as cloud malware project management.

Alumni coordinators: Mrs. Jayapradha J, Dr. UmaDevi M, Dr. Deeban Chankravarthy V, Dr. Selvin Paul Peter J, Mr. Subash R. Student Editorial Team: Pratham Garg and Shreeroop Nilakhe

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

Mr. A.M.J Muthu Kumaran

Title: Dynamically Weighted Combination Reliability Models for Multi-Release Software

Products.

Research Supervisor: Dr.R.Subbraj

Mr.B.Jothi

Title: Enhanced Intrusion Detection Models for IOT Network via Deep Learning Approaches.

Research Supervisor: Dr.M.Pushpalatha

Ms.S.Aruna

Title: Intelligent Learning Algorithm for Counterfeiting Side-Channel Attack Using Adaptive

Chaotic S-Boxes For AES.

Research Supervisor: Dr.G.Usha

Ms. C.Fancy

Title: Improvised Load Balancing Approach For Efficient Resource Utilization In Software

Defined Networks.

Research Supervisor: Dr.M.Pushpalatha

Mrs. R.M.Rani

Title: Enhanced Approach For Mining Sensor Epochs To Predict The Sensor Failures And

Non-Occurrences Of Event In IOT.

Research Supervisor: Dr.M.Pushpalatha

Mrs. M Gayathri

Title: Novel Framework for Multimodal Biometric Image Authentication.

Research Supervisor: Dr. C Malathi

**Learning never exhausts the mind.

-Leonardo da Vinci

Placement Excellence Awards

A placement award ceremony was held on April 29th, 2022 to recognise the hard work of the faculty advisor for the students' batch 2018–22. The event was presided over by Dr. T.V. Gopal, Dean, CET; Mr. N. Venakatasastry, Director CDC, delivered a felicitation address; and the event was convened by Chairperson Dr. Revathi Venkatraman and Head of the Department, Dr. M. Pushpalatha. The event was coordinated by Mr. C. Prabhu Shankar and Mr. U.M. Prakash.

Congratulations to the faculty advisors for the achievement of 100% placement.

Mr. U.M. Prakash, A1-Section

Dr.B.Arthi, 11 Section

We are Proud to Congratulate the following faculty Advisors for receiving Placement Achievers Award.

Dr. P. Saranya- B2 Section

Dr. C. Jothikumar-D1 Section

Dr.S.Poornima- E1 Section

Dr.V.V.Ramalingam-F2 Section

Dr.B.Kanisha- G1 Section

Dr.M.Suchithra-J1 Section

Mr.K.C.Prabu Shankar-N1 Section









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Faculty Appreciation Awards

Faculty Appreciation Award 2022 ceremony was held on 17th May 2022 at Dr.T.P.Ganesan Auditorium. The event was organised for School of Computing faculty members to highlight and appreciate the contribution and achievements in the career path. The event was presided by Dr.T.V.Gopal, Dean CET, SRMIST. Dr.Revathi Venkatraman, Chairperson, School of Computing, SRMIST-KTR delivered the special address. The faculty recognition was based on different categories viz. Projects(Consultancy, Multidisciplinary, Collaborative), Publication(Journal, Books) and Awards received.

Highest Impact Publication

Faculty Name	Paper Title	Journal Name	Impact Factor
Ms.Rajalakshmi M	A multimodal architecture using Adapt-HKFCT segmentation and feature-based chaos integrated deep neural networks (Chaos-DNN-SPOA) for contactless biometricpalm vein recognition system	International Journal of Intelligent Systems	If 8.709
Ms. Briskilal J , Dr Subhalalitha C N	An ensemble model for classify- ing idioms and literal texts using BERT and RoBERTa	Information Process- ing and Management	IF 6.22
Dr. Umama- heswari K M	Brain tumor identification and classification of MRI images using data augmented support vector machine	Cognitive Neuro dynamics	IF 5.08
Dr.R I Minu	Edge computing security: Layered classification of attacks and possible countermeasures.	Advances in Computers	SNIP 10.868

Patent Granted

Patent Title	Agency	Faculty Name
IOT and ML driven Controlled Environment Agriculture in Greenhouse	Government of India	Dr.Rajkamal R
An Automated Irrigation System	Indian Patent Office (Granted)	Dr. Muruganantham B

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Consultancy Project

Name	Amount	Comapany Name	
Dr. M. Baskar	22000	Wingz Technologies	
Dr.S.Babu	60000	EazyThings Technology Private Limited	
Dr.D.Shiny Irene	55000	Solverines Technology Solutions Private Limited	
Dr.G.Usha	55000	Solverines Technology Solutions PVT LTD	
Mrs.Sowmiya B	20000	Athi solutions private limited	
Mrs.M.Vijayalakshmi	20000	Athi solutions private limited	
Dr.B.Arthi	15000	Kartan Technologies, Coimbatore	
Dr. M. Aruna	15000	KARTAN TECHNOLOGIES PVT LTD, CO- IMBATORE	
Dr. M. Kowsigan	60000	Eazythings Technology Private Limited	
Dr.G.Niranjana	11800	shanmuga electric company	
Dr. R. Thenmozhi	17700	Signage Monster	
Dr. R. Renuka Devi	9000	CFD Technologies- Rs.18,000	
Dr. P. Madhavan	35400	Chennai Engineering Software Sales Company(CESSCO)	
Dr. G. Abirami	35400	CESSCO (Chennai Engineering Software Sales Company)	
Mr. Vinoth NAS	18000	CFD Technologies Pvt Ltd.	
Dr M Suchithra	11360	NewGen IEDC SRM	
Dr. Umamaheswari KM	17700	signage monster	
Dr.M.Pushpalatha			
Dr. Akilandeswari			
Dr.T.Sabhanayagam			
Dr.Eliazer			
Dr. M. Gayathri			
Dr. R. Srinivasan			
Dr.Subalalitha C.N		Sameuna Projects	
Ms.Anita R		Samsung Projects	
Ms.Briskilal J			
Dr. Ramkumar Jayaraman			
Dr. M. Baskar			
Dr. B. Muruganantham			
Dr.T. Senthil Kumar			
Dr.J.Kalaivani			
Dr.M.Uma Devi			
Dr.K.Sreekumar			
Dr. P. Selvaraj			

Industry collaboration

Name	Comapany Name	
Dr. G.Niranjana	Cubedifference alter narative solutions	
Mrs. Jayapradha J	Scholaa	
Dr.B.Baranidharan	HugoByte AI Labs Pvt Ltd	
Dr. R. Renuka Devi	UI PATH Academic Alliance, Bangalore	
Dr. Gayathri M	LHS HOSPITAL UK	

Awards/Recognition

Name	Comapany Name	
Dr.Subalalitha C.N	University Ambassador by NVIDIA	
Dr. K. Sreekumar	Best Teacher National Award	
Dr.R I Minu	Dr SarvapalliRadhakrishanan Teachers Award	

Multidisciplinary in-house projects

Name	Comapany Name
Mrs. Sowmiya B	Department of Public Health Science
Dr. Akilandeswari,P	Department of Mechatronics, SRM IST, KTR
Dr.B.Arthi	Flood depth estimation through the Simulation model for various rainfall intensities. In Collaboration with Earthquake Research Cell, Department of Civil Engineering
Dr. M. Aruna	Earthquake Research Cell, Department of Civil Engineering
Dr.Subalalitha C.N	Mechatronics
Dr.S.Poornima	SRM College of Agricultural Sciences
Dr. P. Madhavan	Earthquake Research Cell, Department of Civil Engineering
Dr. Gayathri M	Dental college(ICMR GRANT WORTH 6 LAKHS)

Funding projects

Title	Agency	Faculty Name
Performance Improvement and GUI Devlopement of PINAK CODE	Department of Atomic Energy, BARC- Mumbai under BRNS-Scheme	Dr. E. Poovammal
Performance Improvement and GUI Devlopement of PINAK CODE	Department of Atomic Energy, BARC- Mumbai under BRNS-Scheme	Dr. Pradeep S
Development of Smart spectacles to monitor and modify myopia related health behavior in children	SERB	Dr A Pandian

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Books Published

Title	Agency	Faculty Name
Energy Efficient Techniques to improve the lifetime of Wireless Networks	ELIVA PRESS	Dr. Sindhuja M
Linked List Demystified A Placement Perspective	Charulatha Publication	Dr.G.Usha
Compiler Design, Linked List Demy- stified A Placement Perspective	Charulatha Publications	Dr.D.Shiny Irene
Compiler Design	Charulatha Publications	Dr.J Rene Beulah
Machine Learning Techniques	Scientific International Pub- lishing House	Dr.Sindhu C
Internet of things and Big Daya Analytics towards next generation	Scientific International Publishing House	Ms.R.Lavanya
DATA MINING Fundamentals Concepts and Techniques	Jayalakshmi Publications , Madurai	Dr M Suchithra
Applied Edge AI: Concepts, Platforms and Industry usecases.	Taylor & Francis group	Dr.R.I.Minu

Placement Initiatives

Name	Company for placement initiated	No of students placed
Dr.R.RenukaDevi	Gavs technologies	3
Ms.J.Jeya Pradha	SCHOLAA	6

International Collaboration

Name	Collaborated Partner
Dr. Gayathri M	Colloboration With Uk Doctor Vineet Bhatta









International Conference

on Internet of Things (ICIoT 2022)

The 3rd edition of the International Conference on Internet of Things (ICIoT 2022) was organised on April 5th, 2022 to 7th April, 2022. The preseidential address was delivered by Dr.T.V.Gopal Dean, CET, and Dr. Sivaji Chadaram, Director, DST, Ministry of Science and Technolgy, Government of India. Mr. Shailesh R. Chansarkar, Scientist F, Center for Artificial Intelligeceand Robotics, DRDO Bangalore presented the specal address. Dr.Revathi Venkatraman, Chairperson, SCO, and Dr.M.Pushpalatha, Head of the Depatment convened the event. Around 300 papers were received, which were double blind reviewed, and 102 papers were shortlisted for presentation during the conference under 13 tracks.

Each track had a domain specific invited lecture, 7 among them are international persons from countries like USA, Canada, Singapore, Australia, Ireland, followed by a paper presentation. From each track one paper had been identified to be the best among the presented and rewarded with a cash prize of Rs. 3000.

The gist of topics discussed by the invited speakers are how IoT could be used in the Pharma sector, to shape the future of Healthcare, leveraged to create smart cities and sustainable environment, Security and privacy issues. Business opportunities in IoT and its alignment with Curriculum, Manufacturing cost-effective robotic arm with aid of IoT and Web of things. IoT based vehicles with Edge computing and Fog computing.

A panel discussion led by Dr. Baskaran Kesavan of Kriyatec with Pons Mudivai Arun, M. Ravichandran and Mrs. Panchi Subramanian as panel members discussed "Impact of IoT on Human Life".

Dr. Baskaran Kesavan, the Moderator had elaborated about the importance of IoT and its impact on human life. He invited the Panel experts for discussion towards the New technologies, Future Trends and the relevance of IoT in Indian context.

Mr. M. Ravichandran spoke about the role of IoT in implementing Smart City Projects including Smart street lights, smart waste management, Smart Metering and Smart Grid and Intelligent Public Transport. He has briefed about Office management using IoT and also about reduction of electricity bills and smart Bin checking using IoT sensors as opportunities of IoT.

International Conference

on Internet of Things (ICloT 2022)

Mr. Pons Mudivai Arun gave his views on IoT based Security breaches and vulnerabilities in a global context. He added that the problem is due to the ignorance of fundamentals. He also highlighted the security add-ons that are needed for critical gadgets used in health care. And concluded by stating volume of data is an important feature to look for as opportunities of IoT.

Ms. Panchi Subramanian listed the use cases in Payment system in a global context with an example of interconnecting an IoT device with Gmail so as to access account balance and mini statement etc through google assistant. She mentioned the Banking use cases in Indian context, say placing an IoT board between customer and cashier to alert Bank manager about any abnormality. She indicated the opportunities of using IoT devices in Petrol bunks, Automatic Printer cartridge filling, Refrigerators and payments.

During the valedictory session Dean Research Dr. B. Neppolian shared his views regarding writing proposals. He requested faculty members and scholars not to compromise on the quality of the journal to which they submit their work for being published.









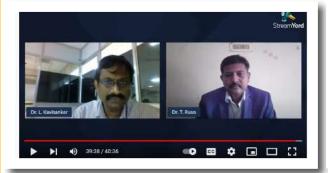




Faculty Augmented Activity

Deep Learning and Its Applications using TensorFlow

The event titled "DEEP LEARNING AND ITS APPLICATIONS USING TENSORFLOW" for the course 18CSC305J-Artificial intelligence was conducted on 07/04/2022 during the time 2.30 pm to 4 pm. The resource person for the event is Dr. T. Ruso, Advisory System Analyst IBM India Private Limited, Chennai. The session had full of insights on the Tensorflow used for the building of the deep learning applications with hands-on session. We had 768 participants from the School of computing for the event.





POSH law and Role of Internal committee

An awareness talk on "POSH Law and Role of Internal Committee" has been conducted for the faculty members of the school of computing. Dr.M.Pushpalatha, HOD- Department of Computing Technologies welcome the gathering, and Mrs.B.Sowmiya, Assistant Professor, Department of Computing Technologies introduced the guest speaker. Ms.K.Raghavi Senthilkumar, Founder, The Headway Foundations gave an awareness talk. She addressed Prevention, Prohibition, and Redressal of Sexual Harassment. She addressed the complaints committee, the policy, and the inquiry process. Mrs.B.Ida Seraphim, Assistant Professor, Department of Computing Technologies gave the vote of thanks.





Orientation Program on SRM SIIC Opportunities and Funding

The objective of the session is to explore the opportunities and funding in SRM SIIC. The key highlights are

- SRM SIIC Infrastructure
- SRM SIIC Funding
- Key steps to generate innovative ideas
- · Research areas
- · Entrepreneurship Ecosystem







Ms.S.Nagadevi has visited IIM Bangalore as part of a faculty development program to attend a workshop on "Machine Learning with Business Applications" from 23.05.2022 to 28.05.2022. She gained knowledge on various machine learning techniques and its applications in industries

Dr. V. Deeban Chakravarthy is currently undergoing 3 months training on devops which includes aws, terraform, ansible, dockers& Kubernetes @ Epam, an u.s public share company located across 55 countries, offering various IT services from 11th May to 13th Aug. 2022.





Our faculty members Dr. Rajkamal. R and Mr. Srinivasan. R are currently being trained for 200+ hours of face to face training by Apple Certified trainers and Infosys team. Sessions on niche areas like Design Thinking, Agile Development, Advance Development skills from Global Apple Certified trainers and Infosys.

Research Publications

April - June 2022

Papers Published		SCI Indexed	
75		16	
	Web of Science		Scopus Indexed
	05		54

Highest Impact Publication

Faculty Name	Paper Title	Journal Name	Impact Factor
Dr.Rajkamal, R	Diabetes Prediction Using Derived Features and Ensembling of Boosting Classifiers	Computers Materials and Continua	3.772
Dr Pradeep Mohan	Bird Swarm Algorithm with Fuzzy Min-Max Neural Network for Financial Crisis Prediction	Computers Materials and Continua	3.772
Mrs.Vijayalakshmi M, R I Minu	Dynamic multi-variant relational scheme-based intelligent ETL framework for healthcare management	Soft Computing	3.643
Dr.R.MANJULA	Chaotic Search-and-Rescue-Optimization-Based Multi-Hop Data Transmission Protocol for Underwater Wireless Sensor Networks	Sensors	3.576
Dr.Kavisankar	Improved Artificial Neural Network with State Order Dataset Estimation for Brain Cancer Cell Diagnosis	BioMed Research International	3.411

SCI - Indexed Journal

Minu, R. I., Nagarajan, G., Mary, A., Selvan, M. P., & Saravanan, T. R. (2022). Empirical evidence of effects of stringency amid Covid-19 pandemic spread. Soft Computing, 1-9.

Anuradha, D., Subramani, N., Khalaf, O. I., Alotaibi, Y., Alghamdi, S., & Rajagopal, M. (2022). Chaotic search-and-rescue-optimization-based multi-hop data transmission protocol for underwater wireless sensor networks. Sensors, 22(8), 2867.

Shruti Aggarwal, M. Suchithra, N. Chandramouli, Macha Sarada, Amit Verma, D. Vetrithangam, Bhaskar Pant, Biruk Ambachew Adugna, "Rice Disease Detection Using Artificial Intelligence and Machine Learning Techniques to Improvise Agro-Business", Scientific Programming, vol. 2022, Article ID 1757888, 13 pages, 2022.

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Sampath, R., & Baskar, M. 3D brain image-based Alzheimer's disease detection techniques using fish swarm optimizer's deep convolution Siamese neural network. Expert Systems, e12963.

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Kumar, K., Mohan, P., Dhanasekaran, S., Punithavathi, I. S., Duraipandy, P., Dutta, A. K., ... & Pustokhin, D. A. (2022). Bird Swarm Algorithm with Fuzzy Min-Max Neural Network for Financial Crisis Prediction. CMC-COMPUTERS MATERIALS & CONTINUA, 73(1), 1541-1555.

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Saravanan, T. R., Nagarajan, G., Minu, R. I., Borah, S., & Mishra, D. (2022). Efficient Peer-to-Peer Content Dispersal by Spontaneously Newly Combined Fingerprints. In Intelligent and Cloud Computing (pp. 65-75). Springer, Singapore.

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Saranya, P., Devi, S. K., & Bharanidharan, B. (2022, March). Detection of Diabetic Retinopathy in Retinal Fundus Images using DenseNet based Deep Learning Model. In 2022 International Mobile and Embedded Technology Conference (MECON) (pp. 268-272). IEEE.

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Research is seeing what everybody else has seen and thinking what nobody else has thought."

- Albert Szent-Györgyi

Saksham, P., Samanta, A., & Minu, R. I. (2022, February). Review of recent techniques used for Aerial Image Segmentation. In 2021 4th International Conference on Recent Trends in Computer Science and Technology (ICRTCST) (pp. 23-26). IEEE.

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Nagarajan, G., Minu, R. I., Borah, S., & Mishra, D. (2022). Intelligent Blockchain Services for Smart City Economy Using Emotion Analysis. In Electronic Systems and Intelligent Computing (pp. 359-367). Springer, Singapore.

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Web of Science Indexed Journal

Akilandeswari. P Mr.M.Eliazer,,Rohan Patil,Performance Analysis Of Major Traditional Routing Wavelength Assignment Techniques,International Journal Of Early Childhood Special Education (INT-JECS),March 2022

Mr.M.Eliazer, Akilandeswari. Uma Devi, Explainable Ai - Reducing Costs, Finding The Optimal Path Between Graphical Locations, International Journal Of Early Childhood Special Education (INT-JECS), March 2022.

- C. Rajesh Babu, V. Deeban Chakravarthy, R. Jeya "Stratified Cognitive Power Allocation Specification For Ue And Bs In 5g" International Journal Of Early Childhood Special Education (INT-JECS), March 2022.
- C. Rajesh Babu, R. Jeya "Traffic Sign Classification And Recognition Using LE-NET Technique" International Journal Of Early Childhood Special Education (INT-JECS), March 2022
- B. Priya Esthera, J.Selvin Paul Peterb, Shivam Sunil Bhosalec, Shubham Pandeyc "Detection Of Diseases In Plant Leaf Using CNN Technique", International Journal Of Early Childhood Special Education (INT-JECS), March 2022.

Vanusha, B Amutha, Diabetic Retinopathy Image Segmentation using Region based convolution Neural Network, Springer Book Series, Adv. in Intelligent systems and Computing, AISC Volume, 1396.

Babu ,Rajesh Babu,Amutha B ,Kadiyala Ramana,Saurabh Singh, and In-Ho Ra 2022 "Elite-CAM: An Elite channel Allocation and Mapping for Policy Engine over Cognitive Radio Technologies in 5G"Sensors 22, no.13:5011

VD Chakravarthy,B Amutha ,"A novel software-defined networking approach for oad balancing in data center networks,International Journal of Communcation Syems 35(2),e-4213

Consultancy Project

Dr. P.Saranya and Mrs.K. Kiruthika Devi was awarded a consultancy project from Geosensing and Imaging Consultancy for the project titled," Object Detection from the Remote Sensing Images" for a value of Rs. 35,000 /- (Rupees Thirty five thousand and four hundred only) to our prestigious organization SRM Institute of Science and Technology from Computing Technologies Department, School of Computing.

Dr.B.Baranidharan has initiated and received an Industry sponsorship of Rs 10000 (Rupees Ten thousand only) from 3 Analytics Pvt Ltd for the STTP on Artificial Intelligence for Computer Vision Applications going to be conducted by Department of Computing Tech-nogies, SRM Institute of Science and Technology, School of Computing.

Dr.B.Baranidharan has initiated and received an Industry sponsorship of Rs 10000 (Rupees Ten thousand only) from ALAMANHAD Electro Mechanical LLC, UAE for the STTP on Artificial Intelligence for Computer Vision Applications going to be conducted by Department of Computing Technogies, SRM Institute of Science and Technology, School of Computing.

Dr.G.Niranjana worked on a Marketing Automation Project code named "Personalized Podcast Publisher", or PCUBE. PCUBE is defined as an extension to Text-to-Speech (TTS) engines available in the market to provide a feature to allow the user to clone their voice and publish it as a podcast. She has developed a Minimum Viable Product for PCUBE using Python, TensorFlow and Tacotron for End-to-end speech synthesis. The application was deployed in an AWS environment to test and train the AI models.









Research is seeing what everybody else has seen and thinking what nobody else has thought."

- Albert Szent-Györgyi

Patent Grant

B Manickavasagam, B Amutha," Health Monitoring Systems Using Wireless Body Area Network and the Method thereof", Indian Patent Granted, 2022.

Dr.J.Kalaivani received Patent Design Grant in India titled, "A System and Method For Scheming Water Sustainability Index of Water Bodies through Satellite Imagery" in the month of April 2022.

Dr.Ramalingam V V and Dr.Pandian received Patent Design Grant in India titled, "Smart Walking Stick" in the month of May 2022.

Dr.T. R. Saravanan, Dr. R. I.Minu and Dr. J. Kalaivani received a Patent Design Grant in India titled, "Digital Saline Liquid level Monitoring and alerting device with dual side saline bag hanging hook" in the month of June 2022.

Patent Published

Dr.C.Jothi Kumar and Dr.V.Deeban Chakravarthy published a patent in India titled, "An Optimal Chain based Routing System for Energy Efficient Routing in Wireless Sensor Network" in the month of April 2022.

Dr.Pradeep Mohan Kumar published a patent in India titled, "Self-Learning Smart Babysit Monitoring System To Monitor Infant Using IoT" in the month of April 2022.

Dr.Ragunthar Thangavelu published a patent in India titled, "Performance of Intrusion Detection Systematic Approach Based on Machine Learning Via Big Data Analytics" in the month of April 2022.

Dr.Geetha. K published a patent in India titled, "New IoT-Enabled Technology for Online Education System" in the month of May 2022.

Dr.M.Suchithra and Dr.B.Kanisha published a patent in India titled, "Cyber security with cloud based Automated Payroll with GPS Tracking system using Image Processing Technique" in the month of May 2022.

Dr.C.Pretty Diana Cyril published a patent in India titled, "Predicting Autonomous Vehicle Behaviour using Computer Vision And a Cloud-Based Web Service" in the month of May 2022.

Dr.Kirubanantham P published a patent in India titled, "An Intelligent VR Headset for Reducing Stress of Bedridden Patient" in the month of May 2022.

Dr. Sindhu C published a patent in India titled," Internet of Things and block chain based Digital Twin management system" in the month of May 2022.

Dr.R.Renuka Devi published a patent in India titled, "The embedded security framework for the industrial IOT and cybersecurity" in the month of June 2022.

Mr. Sibi Amaran published a patent in India titled, "IOT Driven Water Quality Monitoring System and removal of Foul Smell from Wastewater" in the month of May 2022.

Faculty External Activities

Dr. M. Uma Devi, Associate Professor, has been deputed as Doctoral Committee Member for the Scholar Ms.Maheswari B, whose provisional registration is under Anna University.

Dr. M. Aruna and Dr. B. Arthi, Associate Professors, acted as Session Chair in the "In-ternational E-Conference on Computational Intelligent & Communication Network (IC-CICN 2022)" organised by Easwari Engineering College, Chennai on 30/4/2022.

Dr. R. S. Ponmagal, Associate Professor, delivered the keynote speech at the AICTE sponsored "International Conference on Emerging Techniques in Electronics, Communications and Computational Intelligence (ICETECCI-2022)" on 13/5/22 at SVCE, Tirupati.

Dr. M. Uma Devi, Associate Professor, was appointed as the Author of the Question Paper for the End-Semester Examinations held in MAY 2022 un- der the K.S.R. College of Engineering's Autonomous Scheme. Tiruchengode

Dr. S. Gnanavel, Associate Professor, delivered a guest lecture on "Decoding the Cryptography for Blockchain" at SIMATS School of Engineering, Chennai on 16 June 2022.

Dr. R. S. Ponmagal, Associate Professor, acted as DC member at AMC Engineering College under Visvesvaraya Technological University, Bangalore on 18.6.2022.

Dr. Subalalitha C.N., Associate Professor, has given 3 hands-on sessions on the following topics in the online 6-day "FDP on Emerging Technology Trends in Disaster Management with Applications" from 23.05.2022 to 28.05.2022, conducted by the Department of Computing Technologies, SRM IST.

- 1. Introduction to Python from the Perspective of Machine Learning on 23.05.2022
- 2. Introduction to Natural Language Processing on 26.05.2022
- 3. Application of NLP in Disaster Management on 26.05.2022

Dr. R. S. Ponmagal, Associate Professor, was the keynote speaker and session chair for the National Conference on Trends in Computing Technologies (NCTCT'22), conducted by the Department of Computer Science and Engineering in association with the Computer Society of India, at Meenakshi Sundararajan Engineering College on June 25, 2022.

Dr.Subalalitha C.N., Associate Professor, has been selected as the University Brand Ambassador of NVIDIA Deep Learning Institute for the course, Building Transformer-Based Natural Language Processing Applications.

Dr. G. Usha acted as a resource person for the INSA sponsored FDP entitled "Applications of Machine Leaning & Data sciences in Cognitive Era" in Reva University.

Dr. K. Vijaya handled a session on "Exploratory Data Analysis" at Anna University Sponsored FDTP on Fundamental of Data Science. She also acted as one on the panel member to discuss about project-based learning during a panel discussion held during the FDTP.

Dr. K. Vijaya handled a session on "Al and Healthcare 4.0" at an FDP on Artificial Intelligence and its Applications at JNN Institute of Engineering on 25-4-22.

Dr. S.S.Sridhar, Professor of Computing Technologies department has organized Six Days FDP on Emerging Technology Trends in Disaster Management with Application.

Dr. V. Deeban Chakravarthy was appointed as author of the question paper for the End Semester Examinations under Chaitanya Bharathi Institute of Technology, Hyderabad.

Dr. R.I.Minu given a Tech-Talk (online) to LGSI Employees, Bangalore on May 27th 2022, on topic "Metaverse and Digital Twin"

Dr. B Amutha acted as the Expert DC member for Anna University Research Scholar ,Mr. Yoganand in 2022 .



Dr.K. Deeba, Assistant Professor in Computing Technologies, published the first course titled"Introduction to Computational Logic", on Udemy. This course is offered as four main sessions, with recorded video lectures, written materials, and quizzes at the end of each session. This course details propositional logic, natural deduction rules, and derived rules for propositional logic, followed by predicate logic. With 4.8 ratings, this course is labelled as the highest rated course on the Udemy platform.

Dr. K. Deeba, Assistant Professor in Computing Technology, started an educational channel on YouTube with the name "Deeba Kannan" in 2017. This channel offers online lectures for various computer science engineering subjects like Theory of Computation, Compile Design, Artificial Intelligence, and Computational Logic. With 200 video lectures, this channel recently reached 5 million views and 18 thousand subscribers. In 2019, Dr. K. Deeba also started another educational channel in Tamil to help regional students. This channel has 150 video lectures related to CSE subjects specifically recorded in Tamil.



Faculty Upskilling

Upskilling allows organisations to fill the digital talent gap and maintain their current workforce. It also expedites creating employee strengthening and in learning opportunities.

- Dr. M. Aruna, Dr. C. Vijayakumaran, and Dr. B. Arthi completed a 12-day Certification Course on "Artificial Intelligence (AI) for Earth Observation (EO) and Geodata Handling and Pro-cessing" sponsored by SRM from 2/05/2022 to 13/05/2022.
- Dr. G. Abirami has completed a 6-day certification course on "Data Analytics with Python" from 21/06/2022 to 26/06/2022.
- Dr. S. Babu, P. Madhavan, Mr. Prabu Shankar K. C, and Dr. G. Usha have completed a 140-day certification course on "Effective Teaching of Computer Networks" sponsored by SRM from 03/01/2022 to 31/05/2022.
- Ms. M. Vaidhehi, Dr. P. Renukadevi, Ms. R. Brindha, Ms. Sindhu, Mr. C. Sibi Amaran, Dr. V. Deeban Chakravarthy, and Ms. C. Pretty Diana Cyril completed a 112-day certification course on "Effective Teaching of Data Structure" sponsored by SRM from 17/01/2022 to 02/05/2022.
- Dr. C. Ashokkumar, Dr. B. Prakash, Dr. Bibin Christopher, and Dr. P. Kirubanantham have attended the "Faculty Refresher and Assimilation Programme" sponsored by SRM.
- Dr. M. Kanchana has completed two NPTEL Online Certification Courses on "Computer Vision and Image Processing-Fundamentals and Applications" and "Deep Learning for Visual Computing".
- Dr. K. Pradeep Mohan Kumar has completed certification in "Oracle Academy (Database Foundations)" after attending a 30-day course from 20/03/2022 to 22/04/2022.
- Dr. P. Saranya and Dr. Viji attended a 110-day certification course on "Effective Teaching of Machine Learning" from 27/01/2022 to 14/05/2022.
- Ms. Nithiya has completed certification on "Introduction to Computational Logic".
- Dr. B. Kanisha completed an NPTEL Certification course on "Cloud Computing and Distributed Systems."
- Dr. G. Abirami has completed a 6-days certification course on "Data Analytics with Python" from 21/06/2022 to 26/06/2022.
- Ms. S. Veena has completed an UDEMY Certification course on "Applied Machine Learning in Health Care".
- Mr. Vinoth N.A.S has completed an UDEMY Certification course on "Hyper Parameter Optimization for Machine Learning".

Google Cloud Computing Foundations is a 10 module, 40 hour curriculum course designed to give knowledge about the tools to teach critical concepts like infrastructure, application development, data, and machine learning. Our faculty members Dr. Amutha B, K. R. Jansi, Dr. G. Niranjana, Dr. M. Eliazer, Dr. V. Deeban Chakravarthy, Dr. G. K. Sandhia, Nagadevi. S, Dr. R. Vidhya, S. S. Saranya, Dr. Sindhu. C, R. Anita, A. Maria Nancy, Viji. D, Sibi Amaran, R..Lavanya, D. J. Selvin Paul Peter, G. Malarselvi, C. Vijayakumaran, Ramaprabha. J, M. Hema, Briskilal. J, Prakash Um, M. Vijayalakshmi, Prabu Shankar K. C, Dr. R. Renuka Devi, Dr. J. Kalaivani, Dr. M. Suchithra, Dr. L. Kavisankar, Dr. P. Velmurugan, Dr. R. Manjula, Dr. Geetha. K, Dr. B. Kanisha, Dr. Sindhuja. M, Dr. B. Pandeeswari, Dr. K. Alice, Dr. D. Shiny Irene, Dr. R. Thilagavathy completed the course and obtained 12 badges.

Dr.K.Alice attended "UHV FDP" from 06/06/2022 to 10/06/2022 Organized by AICTE.

Dr. C. Jothi kumar attended FDP on Academic Leadership & Motivation from 13/6/22 to 17/6/22 at NITTR

Dr. Geetha. K participated in a 6 days Faculty Development Program on, "Recent Trends On Healthcare Applications using Machine Learning", 13th to 18th June 2022, Department of Information Technology, Kings Engineering College, Chennai.

Dr. Geetha. K attended FDP on "UHV" from 06/06/2022 to 10/06/2022 Organized by AICTE Dr.M.Kanchana attended 12 weeks NPTEL FDP on," Computer Vision and Image Processing - Fundamentals and Applications", during Jan 2022 -April 2022.

Dr. M. Kanchana attended 12 weeks NPTEL FDP on, "Deep Learning for Visual Computing", during Jan 2022 - April 2022.

Dr. M. Kanchana attended 4 weeks NPTEL FDP on, "Medical Image Analysis", during Feb-March 2022

Mrs. Maria Nancy, Ms. S. Veena, Ms.M.Vaidhehiand Mr.Vinoth. N.A.S have attended 6 days FDP on "Machine Learning and Optimization Techniques using MatLab" from 23/05/2022 to 28/05/2022

Dr.G.Usha, Dr.M.Aruna, Dr.B.Arthi, P.Renukadevi, R.Brindha, Dr. P.Madhavan, Dr.K.Pradeep Moha Kumar and Ms. M.Vaidhehi have participated in the National Level Online Six Days FDP on "Emerging Technology Trends in Disaster Management with Applications" from 23-5-2022 to 28-5-2022, organized by Visual Computing Research Group, Department of Computing Technologies, SRM Institute of Science and Technology, Kattankulathur.

Ms.M.Vaidhehi, Assistant has attended the 3 Days online FDP on "Intelligent Computing With IoT in Healthcare", organized by Department of Information Technology of our College from 09 - 11,May2022

Dr M Pushpalatha, Dr R I Minu, Dr Vijaya, Dr Godfrey Winster, Dr Jeya, Dr Selvin Paul, Dr Poornima, Dr B Kanisha, Dr Subalalitha, Dr Ponmagal "Holistic Development and Outcome Based Education in the light of NEP-2020", from 13th to 19th June 2022, organized by University of Engineering and Management (UEM), Jaipur

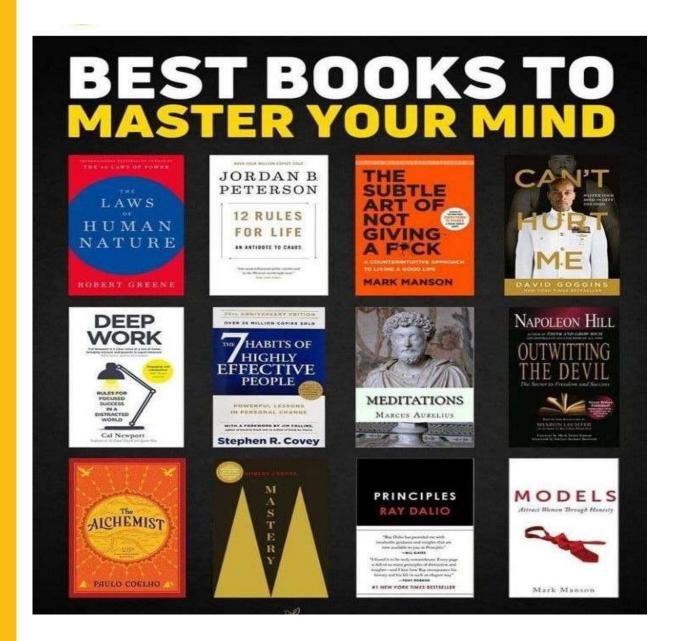
Non-Teaching Faculty

A skill development programme was conducted for programmers for 6 days from 30/5/2022 to 04/06/22 to inculcate knowledge in the areas of Android, Python, MYSQL, and PHP.

A workshop was conducted on the topic, "Experience the Power of Mac" on 02/06/2022.

Ms.G.Surya has successfully completed six days In House Skills Developement Program on Communcation in English, conducted by the department of English and Foreign Languages.

Ms.G.Surya has successfully completed five days Training Programme on MS- Office, organized by the School of Computing.



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Research Vertical



Domain In charge: Dr. B Amutha

Domain Initiatives:

Dr B Amutha received the grant under the scheme of SATU as Principal investigator for 2 projects and as Co-Principal Investigator for 4 projects.

One of the project titled as "Virtual Eye-Design and Development of GPS/Zigbee based Virtual Eye for the virtually impaired persons.

A visit to IIT Madras, was planned so as to involve the eminent professors of IIT Madras Dr.Madhu Mutyam to initiate the Centre of activities of Accelerated Computing. As a follow up, a team of four faculty members, Dr.R.S.Ponmagal, Dr. R.Jeya, Dr. Jagadesan and Dr.B.Amutha went to IIT Madras and met Dr.Kameswran and Ms.Gayathri. They visited the Cluster Computing laboratory and the facilities available there. The power distribution sector and the blade servers and the usage facilities have been explained by Ms. Gayathri who was the In-charge of cluster computing laboratory.

IIT Madras has assured to extend their support in establishing the Centre of Excellence at our premises and ready to offer training programmes for Faculty in High Performance Computing, being a part of Board of Studies for new programmes in the domain, and will help us to seek expertise from NSM. As it is a 1 credit course and also it is for the UG students of school of computing. The syllabus could be as follows for a 1 credit course. The syllabus suggested by the Expert from IIT contains,

- 1. Introduction to High Performance Computing.
- 2. Shared memory programming (Open-MP)
- 3. Distributed memory programming (MPI)
- 4. GPU programming
- 5. A few application programs that can be solved using all the three parallelization strategies above.

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A syllabus for parallel scientific computing course offered could be a valid suggestion from the IIT professors. As per the suggestion given by HoD/ CTECH, a 3 credit course from the umbrella of IIT will be of better option. From IIT Madras, there is a suggestion stating that, a 10 credit course could be offered as elective for senior UG and PG students as it is offered in IIT Madras and, the focus is on numerical methods and parallelization. We may progress with parallelization of simple tasks and sample programs rather than all the numerical methods.

A Faculty visit to CDAC has been planned and executed with a faculty team of four on 16th February. C-DAC, Chennai has assured to set up a centre of Excellence at our premises, after visiting our infrastructure and training programmes for Faculty and internship offers for students in the domain of Cloud computing, IoT and Data analytics, comprising the Accelerated Computing Architecture. Discussed with Scientist Dr.Sridharan about the ongoing projects and the way they are helping colleges to establish centre of excellences. Mr.Vimal has been assigned to initiate the activities of CoE for Cloud Computing and IoT and Big data Analytics in various domains. There was a follow up visit by Mr. Vimal and his crew on 25TH April. We received a draft copy of the MoU and in the process of customizing it.



IIITDM, Kancheepuram has assured to provide expertise in setting up a CoE with a small scale and will support to conduct training programmes to understand basics and applicability of High Performance Computing in projects and in consultancy works. Dr. Noor Mohamed who is the faculty handling numerous projects in cluster and Grid computing also running a cluster at IIITDM, Kancheepuram has accepted to handle a STTP on High performance Computing, CUDA programming and parallel processing tasks. This will be planned in the month of June 2022.



A skill development program for the non-teaching faculty of CTECH has been planned as per the advice of HoD/CTECH, and it is approved. The title for the program is "Skill Development Program for Android Applications:" which is being scheduled from May 30th to June 4th, 2022. The Accelerated Computing faculty members have been involved to conduct the program successfully.



The faculty members B.Amutha, G.Niranjana, R.Vidhya acted as panelists for the TGT,PGT Interview panel for Kendriya Vidhyala, Air Force station, Tambaram on 18th March 2022.



Domain In charge: Dr. K. Vijaya

Introduction about the vertical:

Domain Objective: To collaborate with Leading Universities and perform research in the core aspects of Computer Science and Engineering, like Algorithms, Programming, Compilers, Computation and Logics. Establish a research facility within the department to carry out fundamental research in the domain of theoretical computer science. Identify students and enhance their ability to solve problems using dynamic programming. Introduce certificate courses and special electives for enhancing the ability of students to carry out fundamental research.

Team Members:

Dr. R. Rajkamal, Dr. R. Yamini, Dr. K. Anitha Dr. S. Godfrey Winster, Dr. J. Kalaivani, Dr. P. Nancy

Dr. J. Selvin Paul Peter, Dr. Ramkumar Jeyaram, Dr. M. Kowsigan, Dr. J. Reni Beulah,

Dr. M. Baskar, Dr. C. Pretty Diana Cyril, Dr. K. Senthil Kumar, Dr. N. Arunachalam,

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Outcome as on date (Pertaining to Domain specific): Couple of domain specific talks were organized for the faculty members of the domain.

Successfully completed a 1 additional credit course on Probability and Computing for a batch of third year students.

A batch of 97 students were offered a Design and Analysis of Algorithm Course with a co-teacher from Institute of Mathematical Sciences as part of the Teaching Partnership Program of ACM.

A Technical talk by, Dr. John Augustine of IIT Madras, on "The Power of Randomization in Algorithm Design" was organized for second year students.



dvanced Multilingual Computing

Domain In charge: Dr. E.Poovammal

Domain Objective:

- •To take advantage of the NLP domain and deliver it to the student community and to the society.
- ·To design more industry and Research compatible courses.
- ·To deliver more products, patents and quality publications.

Team Members:

Outcome as on date (Pertaining to Domain specific):

Dr. M.Murali

Dr. V.V.Ramalingam

Dr. A Pandian

Dr. Subalalitha C.N

Dr. Akilandeswari.P

Dr. Abirami G

Mrs. G.Malarselvi

Dr. Pradeep S

Dr. Ramkumar Jeyaram,

Dr. Eliazer M

Mrs.Priya S

Mr. Saminathan S

Mrs. B. Ida Seraphim

Mrs. Sowmiya B

Dr. S. Poornima

Dr. M. Uma Devi

Mr. R. Srinivasan

Mr. G Manoj Kumar

Mrs. Jayapradha J

Mrs. Briskilal |

Dr. Sindhu C

Mrs. R Lavanya Mrs. D.Viji

Mrs. R.Anita

The website dedicated created for the Advanced Multilingual computing research group has been successfully hosted in three different languages. The achievements of the team members and regular update about the activities carried out by the vertical can be viewed in the website.

NLP PROJECT EXPO'22

Date of event: 13-4-2022

Venue of the event: Tech Park lobby

Organizing Committee:

Convener:

Dr. Revathy Venkataraman, Professor and chair, School of Computing.

Dr. M. Pushpalatha, Professor and Head, Dept. of Computing Technologies.

Co-convener:

Dr. E. Poovammal, Professor, Dept. of Computing Technologies.

Faculty Co-ordinators:

B. Sowmiya, Asst. Prof., C.Tech.

B. Ida Seraphim, Asst. Prof., C.Tech

About the expert member:

Mr. Selvakumar Murugan, Research Engineer, Saama Technologies, Chennai.

Internal Member: Dr. Subalalitha, Associate Professor, C.Tech.

Winners Name list

Place	Student Name`	Register Number	Department
1st Place	Sarthak Tyagi	RA2011003010215	CTECH
	Hardik Khandelwal	RA2011003010227	CTECH
2nd Place	Roshana S V	RA2011027010074	DSBS
	Vijay Chandar	RA2011027010083	DSBS
	Reeba Sebastian	RA2011027010072	DSBS
3rd Place	Abhirup Mandal	RA2011003011105	CTECH
	Ashutosh Sharma	RA2011003011084	CTECH













Domain In charge: Prof.S.Sridhar

Visual Computing organized "Six Days FDP on Emerging Technology Trends in Disaster Management with Applications"

Technology has the ability to change 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. In this faculty development program, experts and researchers in the fields of Disaster Management, IoT, and smart cities deliberate on various technologies with potential applications and research domains. It also creates a forum for students, faculty, and Industry experts to connect with each other and share their experiences.

During this FDP participants can understand introduction about python and had a hands on session with google co-lab. Participants can understand how to install python libraries and explained how python using for FDP.





"I believe in innovation and that the way you get innovation is you fund research and you learn the basic facts."

~ Bill Gates

Association Activities

ULTRON 5.0

The fifth edition of ULTRON was conducted by Ctech Association from April 11 - 13, 2022 in our department. The following events are conducted:

Hackathon - with the theme, "Smart Innovations in EdTech Sphere" organized by Third Year students in association with "Tech-Analogy"

Flutter - app development workshop Conducted by Third Year students.

Techlance - Project development (in association with IMARTICUS) conducted by Second year students.

DEPARTMENT OF

ASSOCIATION

TECHNOLOGY

Gaming Event - Conducted by First Year students.

ROLL-A-COASTER - Conducted by the second and third year students.



The objective of the HACK-ATHON event was to motivate young minds to generate high-value actionable business ideas and product concepts. It also boosts the innovation culture and further establishes the idea-sharing, effective collaboration and creativeness driven by enthusiasm towards a shared goal. There were 45 participants for this event which was held during 11th April 2022 – 13th April 2022.



The objective ROLL_A_COASTER event was to enhance problem solving skills among students and also it provides a significant technical edge during iob interviews. There were 50 participants.



The objective of this event was to educate students to develop applications for Android and iOS from a single codebase, being the primary method of

BGMI



BGMI is an online gaming event where the objective was to give space to students for productive entertainment. There were around 20 participants in the final stage.

ULTRON 5.0 Valedictory was held on May 5, 2022 11.00 AM under Dr. M. Pushpalatha, Professor and Head, Department of Computing Technologies. The event was presided by Dr. RevathiVenkatraman, Chairperson, School of Computing. Cash Prizes and Certificates were distributed to winners and also the organizers were awarded with certificates.



Sports Events by Association:

The CTECH association has organized sports events, Football and Badminton — Men Singles, Doubles, Women Singles and Mixed. The events were conducted to motivate the students to participate in extracurricular activities and also to showcase their talents in sports. Nearly 44 teams registered for football with each team of 5 players and with 2 substitutes. 15 teams registered for badminton under various categories. The winners and runners are awarded with a cash prize by the Head of the Department. The event was organized by Dr.Murali M, Professor, Department of Computing Technologies.









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Counselling Activities

Student counselling cell of department of Computing Technologies was inaugurated on 7th June 2022, addressed by Dr.T.V.Gopal, Dean, College of Engineering and Technology, S-RMIST, followed by a session on "Importance of Emotional First Aid for Holistic Well-Being", by Chief Guest Smt. Hema V Iyer, Teacher and coordinatorBhavansRajajiVidyashram, Kilpauk, Chennai. Students counselling cell started to operate on TP210, all working days from 2.00pm to 5.00pm. Five faculties from C-Tech department are selected as student Counselling cellmembers.

- 1. Dr. Dorathijayaseeli D, Assistant Professor, SRM IST, KTR.
- 2. Mr.K.C.Prabu Shankar, Assistant Professor, SRM IST, KTR.
- 3. Dr.K.Deeba, Assistant Professor, SRM IST, KTR.
- 4. Mrs.S.Priya, Assistant Professor, SRM IST, KTR.
- 5. Dr.U.Karthikeyan, Assistant Professor, SRM IST, KTR.

All these five faculty members along with Ms.Hema, Dr.B.Pandeeswari, Dr.Sindhu.C, Dr.J.Rene Beulah and Dr.Sindhuja M, undergone Six days Faculty Enablement Program in course of Counselling named "Barefoot Counselling Certification Training Course", and certified as "Barefoot Counsellors".



Activities:

Session on, "Creating Awareness and Prevention of Suicide", was conducted to Secondyear B.Tech students on May 13th 2022, addressed by **Dr.BhasiSukumaran**, Professor& Head, Department of Clinical Psychology, and Dr.PrinceKalyanasundaram, Dy.Director - Student Affairs.

Session on, "Time and Stress Management", was conducted to Second year B.Techstudents on May 24th 2022, addressed by **Dr.BhasiSukumaran** (Professor & Head), Mrs. Pangajam P, Ms.Nayanthara. O, Jennifer S from Department of ClinicalPsychology, and Dr. D I Ravindran from Directorate of student affairs.

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Six days Faculty Enablement Program in course of Counselling named "BarefootCounselling Certification Training Course", was conducted from 18thApril 2022 – 26th April 2022,organized by department of Computing Technologies,addressed by Dr. VasukiMathivanan an accomplished Psychologist with over two decades of experience in mental health with extensive experience in Training, Teaching, Counselling and Clinical Supervision and Ms. SayeeBhuvaneswari an Entrepreneur, Life Coach and a Counselling Psychologist. 25 faculty members from school of computing attended this training session and certified as "Barefoot Counsellors".









Once you start making the effort to 'wake yourself up' that is, be more mindful in your activities—you suddenly start appreciating life a lot more."

– Robert Biswas-Diener

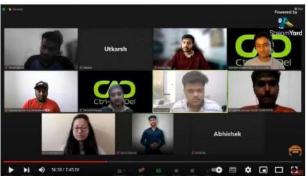
Club Activities

Ctrl+Alt+Del Event:

The Event was conducted by SRMIST Coding Ninjas. It is a national Level Hackathon for aspiring Developers to showcase their skills and collaborate with each other in teams of 2-6 and build real-world applications on 8 unique tracks that will be gauged on several factors by a panel of qualified and reputable judges

The Hackathon was featured by two hard-fought rounds, the "qualifiers" and the "finale". More than 150 teams participated in the "qualifiers" and 15 teams were selected for the finale.





Runtime Terror Event:

Runtime Terror-a hands-on workshop for all the competitive programming minds was conducted by CTech student Aadit

GCC Club recruitment

GCC kick started its recruitment in the domains of technical, creative, content, sponsorship and marketing on 5&6 May 2022. The entire recruitment process lasted for 2 days where interviews and mock tests were conducted for all the applicants and based on their performance, they were recruited to the club.

GCC induction program

A full offline meet and an induction program were conducted on 20 May 2022 in 402 &403 hall 'Technology park'. The team members have shared the past experiences with the participants.





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E-Cell, SRMIST development

E-Cell, SRMIST's official website is created and about to launch. It will act as an effective tool for students to express their ideas 24/7 and to be mentored by experienced personnel who would help their ventures maximize its potential and grow as a start-up. Students and faculty can even join the community by registering through the "Become a Member" feature. The website will contain all the information regarding previous and future events so that interested students can get notified well in advance and do not miss any opportunity. The website is equipped with a Blog feature where people from the entire E-Cell community can share their knowledge, educate themselves and get their doubts cleared making it a place where constructive discussions take place.

The entire team of E-Cell, SRMIST would like to express their gratitude towards the C.Tech department for providing us with the required facilities and resources in order to develop the platform.

Technical Talk on the "Role of IoT in Building Smart Cities"

The technical talk on the "Role of IoT in Building Smart Cities" was held on 19th of May 2022, by our chief guest Mr. KUMAR MAHALINGAM, Director-Chief Architect-At Cognizant Technology Solution. He casted light on the Evolution and history of computers and IoT from punched cards to quantum computation. He highlighted on Hardware Platforms related to IOT like Arduino and Raspberry pi and implementation of the concepts of IoT at industry level. He also mentioned the Role of AI and ML in IoT by analyzing rainfall pattern, traffic pattern etc. and giving out required predictions. The speaker also discussed about the role of IoT in implementation of smart cities and Government plans about developing smart cities.



Student Chapter Committee of ASI (SCC-ASI)

Ms.S.Nagadevi initiated the Student Chapter Committee of ASI (SCC-ASI) in collaboration with ASI, DCAL, IIM Bangalore.

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Webinar on "Industry Work Culture and Challenges"

The webinar were conducted with three industry experts to talk on"Industry Work Culture and Challenges". The event was held on 11th of June 2022.Mr. Shrivallabha Kulkarni, SR. GM and head of IT-Product Development, Mahindra & Mahindra Ltd., Mr. Angad Singh, Associate software engineer at Volante technologies and Mr. VatsalRoop Rai, senior analyst at Goldman Sachs were invited for the talk.





BIS Standard Club

Children are the future and form the foundation on which a strong, vibrant and dynamic nation is built. The values children are exposed to in their formative years get inculcated in their young minds and serve as a force multiplier that has the capacity to transform the future of a nation. Quality consciousness, based on standardization, is one of the pillars of accelerated economic development and priming students to appreciate the significance of quality, standards and standardization can serve as a catalyst to improve societal awareness on these subjects.

BIS has taken the initiative of creating Standards Clubs in educational institutions comprising teachers and students as members. Through a variety of activities under these Clubs, young talents get learning opportunities in the field of quality and standardization. Teachers have an important role in the activities of the Clubs and would serve as beacons of light, guiding and motivating students to channelize their creativity and enhance their scientific temperament. Though in its nascent stage, the Standards Clubs have already garnered prominence and are being enthusiastically promoted by educational institutions to supplement and improve the schooling experience of students and provide opportunities to better their professional and personal growth. In this connection Dr.S.Poornima, the mentor of standards club has attended 2-days training programmes which held during 28-29 april 2022.





Professional Society Activities

IE(I) STUDENTS' CHAPTER Inaugural Function Highlights

This student chapter was successfully inaugurated at C.Tech SRMIST on 19th May 2022 in the presence of Dr. P.T. Ravichandran, FIE, Chairman, IE(I), KTR LC, Dr. Revathi Venkataraman, Chairperson / SOC, SRMIST, Dr. M. Pushpalatha, HOD / CTECH, SRMIST and our Chief Guest Mr. Kumar Mahalingam, Director - Chief Architect Cognizant Technology Solutions, Chennai along with the cordial support of staffs, students and members. The Chief Guest MR. KUMAR MAHALINGAM Director-chief architect cognizant Technology Solutions, Chennai addressed the students about current market trends and the importance of the clubs like IEI and their benefits for the students.





On this day the CTech office bearers, started their new journey in various positions to lead this STUDENTS' CHAPTER towards a glorious path. Dr. M. Uma Devi, Associate Professor, CTECH, SRMIST as the Faculty Advisor for IE(I) students' chapter along with Dr. M. Eliazer & Mrs. J. Jayapradha, CTECH, SRMIST as the Faculty Coordinators and II-year B.Tech. (CSE), students Mr. Swapnil Roop Rai as the President and Ms. Yukta Kulkarni as the Vice-President., I year B.Tech. (CSE) students, Ms. Kousika S as the Secretary and Mr. Manas Goel as the Treasurer were allotted.

The structure of IE(I) consists of 7 main domains, viz. Technical, Web Development, Competitive Coding, Content, Creatives, Marketing & Public Relations and sponsorships. Each domain is led by executive leads with expertise in respective domains. We currently have around 80 student members at this students' chapter.

IE(I) STUDENTS' CHAPTER, Department of Computing Technologies, SRM IST, Kattankulathur received the official establishment certificate on 25th March 2022



Professional Society Activities

ACM Activities

The School of Computing in association with ACM-W Chennai Chapter organized WAVE' 2022 (World of Augmented and Virtual reality EXPO 2022), for the student teams to showcase their skills in augmented and virtual reality technologies through developed prototypes. The expo was to drive the students' interests towards AR VR technologies and awareness of the professional elective-"Building Applications using Open Source Augmented Reality and Virtual Reality SDKS (18CSE304J) being offered as professional elective in association with Industry expert, Mr.Jagatheeswaran Senthilvelan, Auxo Labs-Chennai. The expo was judged by Dr.R.Senthilnathan, Associate Professor & Head of the Department of Immersive technologies, along with industry experts and exciting prizes of Amazon gift vouchers were awarded to the winners.









"The greater part of progress is the desire to progress."

- Seneca the Younger

Outreach Activities

The outreach programme team Dr.Vijaya, Dr.Baskar, Dr.Renuka Devi and Dr.Ram Kumar have planned to organize a rural outreach programme in Arasanimangalam government school in the month of july. As a first step the team visited Arasanimangalam government school in the month of April. Based on their visit the Program Activities decided by the team are as follows:

Emerging Technologies
Awareness on cleanliness
Awareness on women's issue
Good Touch/Bad Touch and
Sports and Entertainment(Singing and Dance)

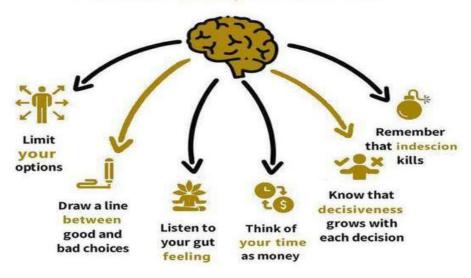






HOW TO DECIDE FASTER

A mindset for making faster descisions



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SATURDAY TALK

"Saturday Talk" is an event conducted on every Saturday in which a full time scholar of our department is invited to give a talk and a hands on session on a trending topic to the rest ofthe full time scholars of the department. This is an initiative taken to instill the purpose of knowledge sharing and improve the confidence in the full time scholars.

She conducted a Hands-on session on Speech Recognition Systems, an interdisciplinary subfield of NLP. Introduction to Automatic Speech Recognition (ASR), ASR use cases, End to End ASR, Evaluation metrics of ASR, Speech Recognition packages. Hands-on session on speech to Text Wav2Vec model, GTTS, Emotion Recognition from Speech.





Ms. Deepa handled a session on "Software defined networking Floodlight Controller"

The session also had a Hands on with the tool "Mininet. She also also handled the topics:. Introduction to setup a SDN network — Oracle Virtualbox, Mininet— realistic virtual network. SDN architecture relies on controllers to allow networkadministrators to manage the network.

Ms. Attar MahaySheetal on 04/06/2022
She handled the following topics for our programmers on the third day of the SDP. Introduction to Zero Shot Learning and It's importance in today's Artificial intelligence, Scarcity of data, how Zero shot learning solves scarce data, how a new data is generated, and various approaches to generate data.





Ms. Dhaniya R D on 07/05/2022 She depicted a clear idea on "how to write a literature review" which indeed enabled the research scholars to have much confidence on their content writing on literature review

Ms. H.Shalma on 14-05-2022 She gave an seminar on the topic titled" CONVOLUTION NEURAL NETWORK"

Covering CNN basics , and gave an explanation of how an input image is processed in CNN layers for effective image processing in many applications.



SATURDAY TALK

Mr. Ismail ZahraddeenYakubu on 23-04-2022 He gave an excellent talk on Academic Profiling and depicted the insights on research publications.

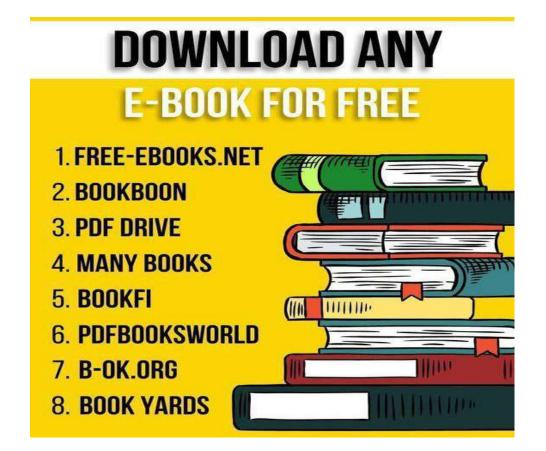




Ms. Sangeetha on 28-05-2022 She gave a talk on Introduction to Pandas, Datasets, and how to use the dataset ,how import the dataset in python library, python and Matplotlib Python Libraries.

Syed Anwar. He has given talks on Patent Acts and it's regulations.







Workshop on Hardware, Networking and Troubleshooting is scheduled on September'2022

Workshop on Critical Thinking ,Problem solving skills and Personality Development is scheduled on August'2022.

Hack2Leap 2022 is scheduled on September'2022

2 Days workshop on Deep Learning for video analytics is scheduled on September'2022

Three days' Workshop on Quantum Computing is scheduled on August'2022

Workshop on Smart Devices with Natural Language Processing is scheduled on July'2022

Data Science Hack'22 is scheduled on September'2022

Full stack Developer Skills breakdown along with AWS and Kubernetes is scheduled on September'2022

A Research Focus on Graph algorithms, NP completeness and beyond is scheduled on August'2022

Faculty development program on Computer vision and its applications is scheduled on August'2022

Artificial Intelligence for Computer Vision Applications is scheduled on July'2022

Awareness about computing and its application for government school students is scheduled on August'2022

A short term training program on Mern stack Development students is scheduled on August'2022

PUZZLES

Challenge yourself by solving these puzzles

The Good Life Easy

Five neighbourhood dogs are each enjoying one of their favourite activities. Based on the clues, can you figure out which pet is doing what?

DOGS

ACTIVITIES

LUCA Getting ears scratched

GINGER Playing catch
NUTMEG Taking a nap

PEPPER Burying a chew toy
BEAR Going for a walk

CLUES:

- · Pepper is either playing catch or burying a chew toy.
- · Neither Ginger, Luca nor Bear is on a walk.
- · One of the dogs named for a spice is getting her ears scratched (and loving it).
- · A dog who is not named for a spice is playing catch.
- · Bear is getting some exercise

The Rainbow Game

Difficult

I shuffle eight cards: one with each of the six main colours of the rainbow and two grey. I lay them out face down. You select cards one by one. If you can pick all the colours of the rainbow before you pick a grey card, then you win. What's the probability of winning?



PUZZLE ANSWERS

THE GOOD LIFE

Luca is taking a nap,
Ginger is getting her ears scratched,
Nutmeg is going for a walk,
Pepper is burying a chew toy and
Bear is playing catch

THE RAINBOW GAME

1/28



குறள் 399: தாமின் புறுவது உலகின் புறக்கண்டு காமுறுவர் கற்றறிந் தார். thaamin puRuvadhu ulagin puRakkaNdu

kaamuRuvar katraRinh thaar

Their joy is joy of all the world, they see; thus more The learners learn to love their cherished lore.



Visit our official channels for the School of Computing

