

NETCOMM BULLETIN

NETCOMM BULLETIN | QUARTERLY EDITION | ISSUE 6 | NWC | SCO

NEWSLETTER

**DEPARTMENT OF
NETWORKING AND COMMUNICATIONS**

**SCHOOL OF COMPUTING
SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
KATTANKULATHUR**



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



**School of
Computing**



NWC

Department of Networking and Communications

Message from the Editor

Dear Readers,

Greetings to All.

Mind like Parachute works best when opened!!!

Fond Felicitations to the Bibliophiles of NETCOMM Bulletin!!

Welcome to the 5th edition of the Quarterly Newsletter of Networking and Communication Department, School of Computing, SRMIST. We are really proud and exuberant to acclaim that we are ready with all new hopes and hues to bring out this issue, which is going to surely unfold the unraveled world of the most unforgettable and precious moments of the Department.

NetComm Newsletter is to be viewed as a launch pad for the students and faculty members' creative urges in variant fields to blossom naturally. This humble journey is to set the budding minds free allowing them to roam free in the realm of imagination and experience to create a world of beauty in words.

The enthusiastic expedition of our collective minds are indubitably sufficient to hold the interest and admiration of the readers. This newsletter journey is indeed a pious attempt to make our budding talents in the frozen hearts to give shape to the creativity and learn the art of being aware because we believe that or success depends upon our power to perceive, the power to observe and the power to explore. We are sure that the positive attitude, hard work, sustained efforts and innovative ideas exhibited by our department will surely stir the mind and take them to the surreal world of unalloyed joy and pleasure. We have put in relentless efforts to bring excellence to this treasure trove.

The Department is an incarnation of self-respect, love, affection, sensibility; responsibility and compassion which puts its students and faculty under the innovative roof of cram. We recognize, appreciate, applaud and foster the fine blend of sensibilities of all the contributors for their tireless effort for bringing this edition, a success.

World moves not only by the mighty shoes of the Heroes, but also by the aggregate tiny pushes of each honest worker! - *Helen Keller*

Your Propositions or Censure on NetComm Bulletin is Highly Appreciated!..

Dr.B.Amutha
Editorial Head



SCO NEWSLETTER HEAD

Dr. B. Amutha
Professor / School of Computing

FACULTY TEAM



Dr.V.M.Gayathri



Dr.P.Supraja



Dr.A.Helen Victoria



Dr.C.Fancy



Mr.N.Murugan

About the Department

Department of Networking and Communications under School of Computing intend to meet the expectations of the aspiring students and to add more value to the degrees offered. The Department ensures to provide quality and value-laden education for students in the traditional and contemporary areas of Cloud Computing, Computer Networks, Cyber Security, Information Technology and Internet of Things. The programs are introduced in partnership with reputed IT companies like Amazon Web services, K7 Security, Virtusa etc. The department consists of a medley of faculty members with industrial and academic experience. The Department's keen focus is towards "networks" domain specific and specialization-based placement drives for its students. The department inculcates entrepreneurial skills in budding aspirants to pitch their innovative ideas through SRM Innovation and Incubation Center. Our International and alumni connect intrigue in bridging the gap between the trio: Academics - Industry - Research.

Vision

To Nurture as globally recognizable department in imparting the students high quality education and providing high confidence, unique knowledge and research experience in the field of networking, cyber security, forensics, information technology, cognitive computing and internet of things.

Mission

- ❖ To provide world-class IT professionals with appropriate industry and research-based curriculum.
- ❖ To train the students, that leads to entrepreneurship and develop societal need-based industries.
- ❖ To nourish the students as socially responsible professionals by providing them training in personality development, ethics, and leadership program"

Message from HOD Desk

*"Life laughs at you when you are unhappy.
Life smiles at you when you are happy.
But life salutes you when you make others happy"*
- Charlie Chaplin

With this quote, I would like to start this year, 2023.

Be happy and make others happy.

Being courteous and polite is not hard when you put yourself in the shoes of the receiver. Trying to be an optimist is difficult in this pessimistic world. But having half a glass empty doesn't achieve any either. This year, let's be more positive and spread happiness. If you have the power to make someone happy, then do it. The world needs more of that.

Wishing you greater success, a happy and prosperous year ahead.



Dr. ANNAPURANI PANAIYAPPAN.K,

Professor & Head

Department of Networking and Communications,
School of Computing

SPECIALIZATION HIGHLIGHTS

CYBERSECURITY

- ❖ DSCI (Data Security Council of India) Award Winner in 2022 for Excellence in Cyber Security Education.
- ❖ Special Labs with K7 Computing for Malware Analysis and CDAC Thiruvananthapuram for Cyber Forensics.
- ❖ Special elective courses in support of Redhat Linux and Checkpoint.
- ❖ Students' chapters in ISACA (Information Systems Audit and Control Association) and OWASP (Open Web Application Security Project).
- ❖ In Collaboration with EC Council providing CEH (Certified Ethical Hacker) training and certification courses.
- ❖ Students are in the progress of Developing SOC (Security Operation Centre) to support the small business in Cyber Security.

INFORMATION TECHNOLOGY

- ❖ MOU signed by Frugal Lab Bangalore, for monitoring crop growth with respect to soil moisture, temperature, humidity, rainfall, and crop growth installed in SRM centre for Agriculture Sciences.
- ❖ New course is introduced as per industry standard (Essential in Cloud DevOps) to upskill the student.
- ❖ MOU signed with service now to upskill the faculties and students with the latest technologies in ITSM (IT Service Management).
- ❖ MOU signed with Wise Work Company for a unique Intensive MetaVerse with full-stack development and advanced data science.
- ❖ Inviting companies for the placement along with a career centre to place students in Marquee, super dream, and dream companies.
- ❖ MOU signed with EPAM to train our faculties and vice versa, Students in the field of front-end development, Selenium, Full stack development, JAVA, and Python.

COMPUTER NETWORKS

- ❖ CISCO Networking Academy are training students for certification in Networking specialization courses like CCNA since 2006.
- ❖ Networking and Communications lab in collaboration with CISCO.
- ❖ Netsim lab facility established to explore and experience modern technologies in networking.
- ❖ Initiative to establish Center of Excellence - Art of lab to be set in collaboration with CISCO.
- ❖ Supporting student placements in core companies through internship opportunities.

SPECIALIZATION HIGHLIGHTS

INTERNET OF THINGS

- ❖ Through Internships Opportunities Cell (IoC) a team of 5 students and 6 faculties member have successfully bagged Research opportunity at the New Castle University through the virtual SAP Programme.
- ❖ We feel glad to specify our new arrival AIoT SERBOT with LIDAR: AI and IoT Convergence training Equipment based on the Indoor Service Robot Platform in our IoC IoT Laboratory.
- ❖ IoT Alliance Club nurtured by the SRM IoT CoE, Coordinated currently by Dr.Kayalvizhi Jayavel and Ms. M.Safa received Rs. 2,00,000.00/- Funding From AICTE SPICES Scheme.
- ❖ We conducted the 6 days FDP on “Emerging trends in IoT” sponsored by Ministry of Electronics and Information Technology (MIETY) in collaboration with NIT Warangal.
- ❖ Based on MoU, 10 Research collaboration Projects have been signed with Professors from LaTrobe Australia Prof Pham, Prof Doan and Prof.Jabeb initiated by IoT Centre of Excellence.
- ❖ Launched IoTAlliance - Electrical Division, now taken care of by EEE Department supported by IoTAlliance SCO division.
- ❖ Pranav Prashob from IoT Specialization of 2023 passing out batch had bagged an offer from CommVault (SDE Role) of 31 Lakhs per Annum.
- ❖ Our IoT Student Renu Jadhav got an international internship opportunity at Harvard Medical School, Boston through our University Collaboration for the project Bioprinting technologies for tissue fabrication and to develop computer-aided design.
- ❖ IET (The Institution of Engineering Technology): The IET Scholarship Award 2022 as first Runner Up in recognition of Outstanding achievement in engineering and technology bagged by our 3rd year IoT Student for higher studies.

CLOUD COMPUTING

- ❖ Industry connect courses with AWS solution architect (UG) and Advanced AWS services (PG) jointly with Virtusa.
- ❖ Industry collaboration - Virtusa-powered MTech Cloud computing for internships and training courses
- ❖ All cloud computing students are trained with the AWS academy cloud foundation course
- ❖ Our Student team CIRRUS has won third prize in SDG Internal Hackathon with a cash prize of Rs.20000.
- ❖ Award name: Harvard Project for Asian and International Relations - Impact Challenge Level: International Rank: 1
- ❖ Won First prize World of augmented and Virtual Reality WAVE EXPO 2022 Held by ACM-W Chennai Chapter
- ❖ 3rd Prize AI + Data in Healthcare category of AIHacks4Good 2022
- ❖ SRM Institute of Science and Technology as Team Pen Pals has participated in the Prod-A-Vista: A Product Case Competition of Divergence 2.0 - 168 Hours of Horizon organized by the Indian Institute of Management (IIM), Raipur

PATENTS

S.NO.	MONTH	TITLE OF THE PATENT	ISSUING AGENCY	CLAIMING AUTHOR	PUBLISHED / GRANT
1.	October	Smart spy goggle for collecting images and real-time storing on cloud	Intellectual Property India	Dr.M.Saravanan, Dr.Balamurugan P Dr.A.Vijay Vasanth Dr.R.Lakshminarayanan	Grant
2.	October	GPS tracker	Intellectual Property India	Ms.V.R.Balasaraswathi Dr.L.Anand Dr.Annapurani Panaiyappan.K	Grant
3.	October	Digital stethoscope	Intellectual Property India	Dr.L.Anand Ms.V.R.Balasaraswathi Dr.Annapurani Panaiyappan.K	Grant
4.	October	IoT based temperature monitoring system	Intellectual Property India	Ms.Safa.M Ms.G.Geetha	Grant
5.	October	An artificial intelligence based system for providing interference effects and improvement in cloud environment	Intellectual Property India	Ms.G.Geetha Dr.J.Godwin Ponsam Dr.K.Nimala	Published
6.	October	Cryptographic hash encryption secure algorithm of confidential data by user validating scheme for the medical healthcare	Intellectual Property India	Dr.B.Yamini	Published
7.	October	Inspection of wireless ad-hoc networks for evaluating network congestion diagnosis with quality assessment	Intellectual Property India	Dr.A.Vijay Vasanth Dr.M.Jeyaselvi Dr.N.Senthamarai	Published
8.	October	System and method for determining an adulteration result and recommendation to a user	Intellectual Property India	Dr.Kayalvizhi Jayavel	Published
9.	October	Cloud connected based digital smart meter for accurate bill calculation in industry	Intellectual Property India	Dr.T.Balachander	Published
10.	November	Deep learning based fire hazards detection	Intellectual Property India	Dr.V.Anbarasu	Published
11.	November	Artificial intelligence and IoT based automatic smart health care system to monitor and avoid blood pressure and lung cancer to avoid it early stages for healthy life for all ages using WSN, image	Intellectual Property India	Dr.P.Savaridassan	Published
12.	November	Image processing based system to detect the fraudsters entering the banking organization or ATM kiosks	Intellectual Property India	Dr.Karthikeyan H	Published
13.	December	A robust mechanism for preventing adversarial attacks on audio classification	Intellectual Property India	Dr.P.Balamurugan	Published
14.	December	Design a smart system to monitor the patients in ICU through biomedical devices	Intellectual Property India	Dr.P.Supraja Dr.V.M.Gayathri Dr.A.Helen Victoria Mrs.D.Sai Santhiya	Published
15.	December	A unique identification of the continuous monitoring mechanism to evade cyber-attacks in smart healthcare,	Intellectual Property India	Dr.G.Suseela	Published

PUBLICATIONS

S.No	INDEXING	PAPER TITLE	JOURNAL NAME	AUTHORS	SNIP / IF	ISSN NO.	DATE OF PUBLICATION
1	Scopus	IoT Based Smart Agriculture	2022 8th International Conference on Applied System Innovation (ICASI)	Dr.M.Jeyaselvi, Ms.Sathya M, Mr.Prasad BVP	0	2768-4156	16-05-2022
2	SCI	Design of an integrated learning approach to assist real-time deaf application using voice recognition system	Computers and Electrical Engineering	Mr.Arun Prasath G, Dr.Annapurani Panaiyappan.K	4.152 / 1.755	0045 -7906	01-09-2022
3	SCI	Block chain enabled auditing with optimal multi-key homomorphic encryption technique for public cloud computing environment	Concurrency and computation practice and experience	Ms.Venkata Naga Rani Bandaru, Dr.P.VISALAKSHI	1.831 / 0.835	1532-0634	08-09-2022
4	SCI	Unattended detection in neural OCT image sequences of disease markers	AIP Conference proceedings	Dr.V.Anbarasu, Mr.Sharanabasappa C. Gandage, Mr.Z.Vakil, Mr.V.Antony Asir Daniel	0.402 / 0.262	0094243X	03-10-2022
5	SCI	Dexterous Identification of Carcinoma through ColoRectalCADx with Dichotomous Fusion CNN and UNet Semantic Segmentation	Computational Intelligence and Neuroscience	Mr.Akella S. Narasimha Raju, Dr.Kayalvizhi Jayavel, Ms.Thulasi Rajalakshmi	3.12 / 1.559	0432-5412	10-10-2022
6	Scopus	Quantifying shot quality and predicting the goal probability for football shots	2022 2nd Asian Conference on Innovation in Technology (ASIANCON)	Mr.Shushrut Kumar, Mr.Vivek Jagannath, Dr.P.VISALAKSHI	0.262	1551-7616	10-10-2022
7	Scopus	An Extensive Analysis of Task Scheduling Algorithms Based on Fog Computing Qos Metrics	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)	Ms.Vijayalakshmi V, Dr.Saravanan M	0.249	978-981-19-5845-8	10-10-2022
8	Scopus	Effective Detection of Exomphalos in Fetal Ultrasound Images Using Canny edge detector	IEEE Explorer	Dr.B.Yamini, Dr.A.Vijay Vasanth, Ms.M.Shobana	0	978-166547413-9	14-10-2022
9	Scopus	Convolutional Neural Network model in Different dataset for Pose Face Recognition	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)	Ms.Jayabharathi P, Dr.Suresh. A	0	22137410	14-10-2022
10	Scopus	A Hybrid Approach to Protect Server from IP Spoofing Attack	IEEE Xplore	Ms.Varsha Parekh, Dr.Saravanan M	0	978-166547413-9	14-10-2022
11	Scopus	Unmanned Aerial Vehicle in the Smart Farming Systems: Types, Applications and Cyber-Security Threats	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)	Ms.Priyadarshini.SP, Dr.P.Balamurugan	0	978-1-6654-7413-9	14-10-2022

PUBLICATIONS

S.NO	INDEXING	PAPER TITLE	JOURNAL NAME	AUTHORS	SNIP / IF	ISSN NO.	DATE OF PUBLICATION
12	Scopus	Dream Classification based on Beta waves in EEG signals	Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022	Mr.Ghadeer Yousef, Dr.Metilda Florence S	0	978-1-6654-7413-9	14-10-2022
13	Scopus	Watermarking Techniques Performance Analysis in Medical Images for Secure Communication	Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)	Ms.Abirami R, Dr.C.Malathy	0	978-1-6654-7413-9	14-10-2022
14	Scopus	Emotion Driven Chatbot Using Natural Language Generation Techniques	Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)	Mr.Mihul Singh Solanki, Mr.Lovenish Singh Panwar, Mr.S.Saminathan, Dr.C.Malathy	0	978-1-6654-7413-9	14-10-2022
15	Scopus	An Enhanced Solution for Detection of Injected Android Malware Application.	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES). IEEE, 2022.	Mr.Yash Kanchhal, Dr.Murugaanandam S	0	-	14-10-2022
16	Scopus	Lightweight Block Cipher for Resource Constrained IoT Environment An Survey, Performance, Cryptanalysis and Research Challenges	Lecture Notes in Networks and Systems	Ms.M.Abinaya, Dr.S.Prabakeran	0	978-1-6654-7414-6	18-10-2022
17	SCI	An Enhanced Exploration of Sentimental Analysis in Health Care	Wireless Personal Communications	Mr.Kannan Chakrapani, Mr.Muniyegowda Kempanna, Mr.Mohamed Iqbal Safa, Mr.Thiyagarajan Kavitha, Mr.Manikandan Ramachandran, Ms.Vidhyacharan Bhaskar, Mr.Ambeshwar Kumar	2.017/ 0.873	38267297	19-10-2022
18	Scopus	Search and Rescue with Continuous Butterfly Optimization Algorithm for Secure Routing in Clustered Vehicular Networks	International Journal of Engineering Trends and Technology	Mr.M.V.B Murali Krishna, Mr.C.Anbu Ananth, Dr.N.Krishnaraj	0.315	2231 – 5381	20-10-2022
19	Scopus	Soil health analysis and fertilizer prediction for crop image identification by Inception-V3 and random forest	Remote Sensing Applications: Society and Environment- Elsevier	M. Meenakshi, Dr.R.Naresh	1.348	2352-9385	25-10-2022
20	SCI	Invalidation of tunnelling attacks in ubiquitous IoT & wireless sensor environment using ML methods	Optik	R. Priyadarshini, Mukil Alagirisamy, N. Rajendran, K.A. Varunkumar	2.84 / 0.883	0030-4026	28-10-2022

PUBLICATIONS

S.NO	INDEXING	PAPER TITLE	JOURNAL NAME	AUTHORS	SNIP / IF	ISSN NO.	DATE OF PUBLICATION
21	Scopus	Optimal Route Selection Using Hill Climbing Based Red Deer Algorithm in Vehicular Ad-Hoc Networks to Improve Energy Efficiency	International Journal of Computer Networks and Applications	Mr.Koppiseti Giridhar, Mr.C.Anbuananth, Dr.N.Krishnaraj	0.505	2395-0455	30-10-2022
22	SCI	Trust Aware Multi-Objective Metaheuristic Optimization Based Secure Route Planning Technique for Cluster Based IoT Environment	IEEE Access	Dr.N.Krishnaraj, Mr.Surendran Rajendran, Mr.Youseef Alotaibi	3.476 / 1.326	2169-3536	01-11-2022
23	Scopus	Android Malware Application Detection Method Based on RGB Image Features in E-Commerce	Journal of Internet Technology	Mr.Xingyu Li, Mr.Yongli Tang, Dr.Mary Subaja Christo, Mr.Zongqu Zhao, Mr.Ying Li	0.443	1607-9264	06-11-2022
24	SCI	A Hybrid Spider Monkey and Hierarchical Particle Swarm Optimization Approach for Intrusion Detection on Internet of Things	Sensors	Ms.Sandhya Ethala, Ms.Annapurani Kumarappan	3.847 / 1.42	14248220	07-11-2022
25	Scopus	An efficient automatic brain tumor classification using optimized hybrid deep neural network	International Journal of Intelligent Networks	Ms.S.Shanthi, Ms.S.Saradha, Ms.J.A.Smitha, Dr.N.Prasath, Mr.H.Anandakumar	0	2666-6030	08-11-2022
26	Scopus	An Approach on Cyber Threat Intelligence Using Recurrent Neural Network	Lecture Notes in Networks and Systems Book Series - Springer	Mr.U.Sakthivelu, Dr.Vinoth Kumar C N S	0.249	2367-3389	08-11-2022
27	Scopus	Voice Emotion Detection: Acoustic Features Extraction Using Multi-layer Perceptron Classifier Algorithm	Lecture Notes in Networks and Systems	Mr.Nikhil Sai Jaddu, Mr.S.R.S.Shashank, Dr.Suresh. A	0.249	2367-3370	08-11-2022
28	Scopus	DNA IoT - Dynamic Network Architecture for IoT	IEEE	Ms.Gyanesh Samanta, Mr.Rishal Ramesh, Mr.Rushil Saxena, Mr.Devdarshan K. Sardar, Mr.Sidhant Chourasiya, Ms.Fancy C	0	978-1-6654-7023-0	11-11-2022
29	Scopus	Smart Application for Voice Over Control on Electronic Devices Using NodeMCU	Springer - Lecture Notes in Networks and Systems	Ms.S.Florence, Lakshminarayanan R, Ms.K.Meena	0.249	2367-3389	12-11-2022
30	Scopus	Early Detection and Diagnosis of Oral Cancer using Fused Deep Neural network	Smart Innovation, Systems and Technologies	Sree T. Sucharitha, Mr.I. Kannan, Mr.K.A.Varun Kumar	0.398	2190-3018	14-11-2022
31	Scopus	An improvised CNN model for fake image detection	International journal of information technology	Mr.Yasir Hamid, Ms.Sanaa Elyassami, Mr.Yonis Gulzar, Ms.V.R.Balasaraswathi, Mr.Tetiana Habuza, Ms.Sharyar Wani	1.749	25112104, 25112112	16-11-2022

PUBLICATIONS

S.NO	INDEXING	PAPER TITLE	JOURNAL NAME	AUTHORS	SNIP / IF	ISSN NO.	DATE OF PUBLICATION
32	Scopus	Machine Learning based Diabetes Prediction using with AWS cloud	IEEE Xplore	Mr.Manthena Omkar, Dr.Nimala.K	0	978-1-6654-7414-6	18-11-2022
33	Scopus	An Exploration of Intelligent Deep Learning Models for Fine Grained Aspect-Based Opinion Mining	IEEE Xplore	Mr.R.Nareshkumar, Dr.Nimala.K	0	978-1-6654-7414-6	18-11-2022
34	Scopus	Colorization of Black & White Videos & Photographs	IEEE Xplore	Dr.K.Nimala, Ms.G.Geetha, Dr.Godwin Ponsam.J	0	978-1-6654-7413-9	21-11-2022
35	Scopus	A novel approach to detect malware in portable executables of major operating systems	IEEE Xplore	D.Azshwanth, Dr.Godwin Ponsam.J	0	978-1-6654-7413-9	21-11-2022
36	Scopus	Exploring Exoplanets using kNN, Logistic Regression and Decision Trees	IEEE Xplore	Mr.Aahish Nagesh Herur, Mr.Raquib Tajmohamed, Dr.Godwin Ponsam.J	0	978-166547413-9	21-11-2022
37	Scopus	Autonomous Vehicle for Physically Impaired People	IEEE Xplore	Ms.Deepanshi Srivastava, Mr.Pratikshya Sahu, Ms.G.Geetha	0	978-166547413-9	21-11-2022
38	Scopus	An Advanced Approach for Detection of Distributed Denial of Service (DDoS) Attacks Using Machine Learning Techniques	IEEE Xplore	Ms.Sujatha G, Mr.Yash Kanchhal, Mr.Geogen George, Dr.D.Hemavathi	0	978-166549764-0	22-11-2022
39	Scopus	A Technical Survey on Deep Learning and AI Solutions for Plant Quality and Health Indicators Monitoring in Agriculture	IEEE Xplore	Dr.K.Sornalakshmi, Ms.Sujatha G, Ms.S.Sindhu	0	978-166549764-0	22-11-2022
40	SCI	Sensor data fusion for optimal robotic navigation using regression based on an IOT system	Measurement: Sensors	Dr.Vijay Vasanth Ms.Aroulanandama, Ms.Satyamb Sherubha, Ms.P.Lalitha, Ms.K.Hymavathi, Mr.J.E.Thiagarajan R F	3.847/1.42	14248220	24-11-2022
41	Scopus	Cognitive Radio-based Context-Aware Link Adaptation for Coverage Extension of Narrow Band Internet of Things	International Journal of Engineering Trends and Technology	Mr.Nallarasan V, Dr.Kottilingam	0.315	2349-0918	24-12-2022

FUNDED PROJECTS

S.NO	FACULTY NAME	FACULTY ID	NAME OF THE FUNDING AGENCY	TITLE OF THE PROJECT	NAME OF THE PRINCIPLE INVESTIGATOR	NAME OF THE CO-PRINCIPLE INVESTIGATOR	MONTH & YEAR OF FUNDED PROJECTS APPLIED	TOTAL AMOUNT (RS.)	DURATION OF THE PROJECT (YEARS)
1.	Dr.N.Krishnaraj	102693	Umm Al-Qura University Research Research Fund	Design of a monitoring and early warning system for elderly care using wireless movement	Dr.Youssef Ayed Al-Otaibi	Dr.N.Krishnaraj	Nov-22	Rs.408542.50	1 Year
2.	Dr.N.Krishnaraj	102693	Umm Al-Qura University Research Research Fund	Design of a monitoring and early warning system to reduce Human Animal Conflicts	Dr.Youssef Ayed Al-Otaibi	Dr.N.Krishnaraj	Nov-22	Rs.408542.50	1 Year
3.	Dr.N.Krishnaraj	102693	Umm Al-Qura University Research Research Fund	IoT based telemedicine system using Mobile Communication Technologies	Dr.Youssef Ayed Al-Otaibi	Dr.N.Krishnaraj	Nov-22	Rs.408542.50	1 Year

CONSULTANCY PROJECTS

S.NO	TITLE OF THE COLLABORATIVE ACTIVITY	NAME OF THE COLLABORATING AGENCY	NAME OF THE PARTICIPANT	AMOUNT
1.	Car Number Plate Detection and Extraction System Using Deep Learning	Indsoft Technologies	Dr.P.Balamurugan, Dr.A.Vijay Vasanth	Rs.30,208.00
2.	Viscosity index in Medicinal oil using ANN techniques	KH International	Dr.S.Murugaanandam, Ms.G.Parimala, Dr.P.Balaji Srikanth	Rs.1,06,200.00

FACULTY ACHIEVEMENTS

A GREATER APPLAUSE



We wholeheartedly congratulate **Dr. Kayalvizhi Jeyavel** for her promotion to ***Assistant Director of the International Relations Office***, SRMIST. She has around 20 years of Teaching Experience. Also, she is the founder and head of a not-to-profit unit to train students, nurture with skill sets, showcase outcomes in the field of IoT, AI/ML, and develop products, since 2014. She has published nearly 40 journal papers at various national and international conferences. She is also Co-PI of the International Research Funded project. She is such a hard and smart worker and an inspiration for many to achieve great heights. Her Contribution to International Collaborations is highly notable.

FACULTY ACHIEVEMENTS



Dr.L.ANAND

University Coordinator - AICTE Internship

University Nodal Officer - ISRO IIRS

Programs Conducted



Conducted Six days FDP on Emerging Trends in IoT, in association with NIT Warangal sponsored by Ministry of Information Technology from 19th September to 24th September 2022.

Speaker : Mr.BANSOTH PRASAD, KYI Technologies

Dr.SURESH, Assistant Professor, NIT warangal

Mr.SAI, Data analyst, Amazon



Conducted Coding competition for students in collaboration with Iam Neo on 9th & 10th November 2022 with 174 Participants in total.



MoU Signed with ServiceNow on 11th November 2022 to upskill our SOC Faculties and students in latest technologies.



MoU signed with Frugals lab Pvt Ltd to setup lab and monitoring crop growth by using IoT devices with CAS on 18th October 2022.



Co-ordinated Industrial Visit to Mysore for III year NWC dept from 04th to 08th November 2022.



MoU with wise work on 22.12.2022 for students to train on Metaverse Technology

FACULTY ACHIEVEMENTS



Dr.P.Supraja has been appointed as SRM Universal Human Values Coordinator.

Dr.M.Saravanan has published a book titled “Cloud Computing: The Essentials of Next Generation Computing” in Scientific International Publishing House



Dr.V.Hemamalini has published a book titled “Introduction to Cyber Security – A Guide for Naïve Users” in Scientific International Publishing House.

DSCI Excellence Award 2022 has been awarded to our SRM IST by Security Council.



WELCOME TO OUR FAMILY

Warmest welcome from the Department. You're a great addition to this team and we can't wait to reach new heights together.



Dr.V.Rajaram



Dr.S.A.Angayarkanni



Dr.B.Balakrithiga



Dr.A.Prabhu Chakkaravarthy



Dr.S.Aasha Nandhini



Dr.V.Pandimurugan



Dr.T.Preethiya



Dr.T.R.Vedhavathy

FACULTY COURSE COMPLETION

S.NO	NAME	NAME OF THE CERTIFICATION COURSE	CONDUCTED BY
EC COUNCIL			
1	Dr.S.Murugaanandam	Certified Ethical Hacker- CEH	EC Council
2	Dr.S.Metilda Florence	Certified Ethical Hacker- CEH	EC Council
K7 COMPUTING			
3	Mr.V.Joseph Raymond	Malware Analyst	K7
4	Dr.Kayalvizhi R	Malware Analyst	K7
ISRO			
5	Dr.P.Visalakshi	Geo-data sharing and Cyber Security	ISRO
6	Dr.B.Yamini	Geo-data sharing and Cyber Security	ISRO
7	Dr.Kalaiselvi	Geo-data sharing and Cyber Security	ISRO
8	Ms.Saisanthiya D	Geo-data sharing and Cyber Security	ISRO
9	Dr.DeepaThilak	Geo-data sharing and Cyber Security	ISRO
10	Dr.Arokiaraj Jovith A	Geo-data sharing and Cyber Security	ISRO
11	Dr.Malathy C	Geo-data sharing and Cyber Security	ISRO
12	Dr.Annapurani K	Geo-data sharing and Cyber Security	ISRO
13	Dr.Balasaraswathi V.R	Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System	ISRO
14	Dr.B.Yamini	Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System	ISRO
15	Dr.Kalaiselvi	Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System	ISRO
16	Dr.DeepaThilak	Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System	ISRO
17	Dr.Radhika	Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System	ISRO
18	Dr.V.Hemamalini	Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System	ISRO
19	Dr.Malathy C	Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System	ISRO
20	Dr.T YJ Naga Malleswari	Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System	ISRO
21	Ms.Ushasukhanya	Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System	ISRO
22	Dr.L.Anand	Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System	ISRO
CSEDU			
23	Dr.N.Senthamarai	Effective Teaching of Machine Learning	CSEDU
24	Dr.V.Hemamalini	Effective Teaching of Machine Learning	CSEDU
25	Dr.L.Anand	Effective Teaching of Machine Learning	CSEDU
26	Dr.M.Jeyaselvi	Effective Teaching of Machine Learning	CSEDU
27	Dr.Rajaram	Effective Teaching of Introduction to Programming	CSEDU
AICTE			
28	Dr.V.Hemamalini	Inculcating Human values in Technical Education	AICTE
CELONIS			
29	Dr.G.Suseela	Celonis Foundations (Business Process Automation)	Celonis Academy
30	Dr.G.Suseela	Deliver Business Value with Celonis	Celonis Academy

PROGRAMMERS' SKILL DEVELOPMENT

S.No	Emp. ID	Name	Designation	FDP, Workshop, Conference etc.,
1	200381	Mr.V.ARUMUGAM	System Administrator	FDP On Full Stack Development
2	200379	Mr.S.RANGANATHAN	Programmer	FDP On Full Stack Development
				FDP On Cyber Security
				Workshop on NLP
3	200383	Mr.G.MUTHUBABU	Programmer	FDP On Full Stack Development
				Nvidia Workshop
				FDP On Cyber Security
4	200605	Ms.P.DEVI	Programmer	FDP On Cyber Security
				Nvidia Workshop
				Workshop on Hardware ,Networking and Troubleshooting
				Awareness on Prevention of Sexual Harassment Against Women at Workplace
5	200719	Mr.M.BALAJI	Programmer	FDP On Cyber Security
				Malware Analysis in K7 Computing
				Workshop on Hardware ,Networking and Troubleshooting
6	200815	Mr.M.GOPINATH	Programmer	Malware Analysis in K7 Computing
				First Aid and Disaster Management Program
				FDP On Cyber Security
7	200829	Mr.M.BUVANESHWARAN	Programmer	Nvidia Workshop
				Pearson VUE Certified Test Administrator
8	200466	Mr.G.VINOTHKUMAR	Programmer	FDP On Full Stack Development
				FDP On Cyber Security
				Workshop on NLP
9	200654	Mr.N.MURUGAN	Programmer	FDP On Full Stack Development
				FDP On Cyber Security
				Workshop on Hardware, Networking and Troubleshooting
10	201353	Mr.D.MOHANRAJ	Programmer	FDP On Cyber Security
				Nvidia Workshop
11	201518	Ms.P.CARLIN JEBAKANI	Programmer	FDP On Full Stack Development
				Developing Applications using NLP
				Workshop on Awareness on Prevention of Sexual Harassments Against Women at Workplace
12	201529	Ms.KAVIPRIYA	Programmer	6-day skill development program
				Workshop on NLP
13	201532	Ms.BHUVANESHWARI	Programmer	First Aid and Disaster Management Program
				6-day skill development program
				Awareness on Prevention of Sexual Harassment Against Women at Workplace
14	201578	Mr.T.DHANESH	Programmer	Workshop on Hardware, Networking and Troubleshooting

PLACEMENTS

97.95%

of Placement
Record
(2022 Batch)



88.87%

of Placements
(As an Date)
(2023 Batch)

Placement Training Activities from October 2022 to December 2022

- ❖ General Aptitude test was conducted for all the third year students on 29.09.2022
- ❖ Hackerrank Coding Challenge is conducted on 31.10.2022 for all the third year students of Dept. of NWC.
- ❖ RedHat Linux (RHCSA) Examination Orientation Training is arranged for the second, third students and faculty members in tie up with AdvantagePro. The orientation was conducted on 11.10.2022 and 12.10.2022 for third year and second year respectively.
- ❖ The new batch of RHCSA global certification exam training started from 02.11.2022. Nearly 40 students are undergoing this certification training from AdvantagePro.

Off-Campus Internship Highlights from October 2022

IV Year – Notable Off-Campus Internship Details



Name : **HARSHIL SHARMA**
Reg.No : RA1911028010010
Company : Neem Digital Private Limited.
Duration : 1 Month
Stipend : Rs.18,000 / Month



Name : **PUSALA TARAKA
RAMA SATYA VANI**
Reg.No : RA1911030010056
Company : Lister Technology
Duration : 4 Month
Stipend : Rs.15,000 / Month



Name : **SUMRIT GROVER**
Reg.No : RA1911032010033
Company : Pillow Fund
Duration : 6 Month
Stipend : Rs.35,000 / Month

III Year – Notable Off-Campus Internship Details



Name : **ISHITA GANGWAR**
Reg.No : RA2011028010127
Company : SFR Medicals
Duration : 3 Month
Stipend : Rs.10,000 / Month

EVENTS

INTERNATIONAL COLLABORATION - SEMESTER ABROAD PROGRAM



Student Name : **Renu Jadhav Madhuraj**
 Register Number : RA1911032010020, CSE-IOT -IV Year
 Foreign University / Company : Harvard Medical School, Boston, USA
 Tenure : Jan 2023 - July 2023
 Category : Project Intern



Student Name : **Kumar Kartikeya Dwivedi**
 Register Number : RA1911029010035, CSE-CN -IV Year
 Foreign University / Company : EPFL, Swizerland
 Tenure : Jan 2023 - May 2023
 Category : Project Intern



Student Name : **Bhawesh Agarwal**
 Register Number : RA1911031010040, CSE-IT -IV Year
 Foreign University / Company : ZF Chasis System Co.Ltd, Thailand
 Tenure : Jan 2023 - March 2023
 Category : Project Intern



Student Name : **Vikram R**
 Register Number : RA2011030010047, CSE - Cyber Security - III Year
 Foreign University / Company : EPITA, France
 Tenure : Jan 2023 - June 2023
 Category : Semester - Value Added Courses

STUDENT ACHIEVEMENTS



Name : **MOHIT KUMAR KUSHWAHA**
 Reg.No : RA2011028010010
 Event Name : Concepto Ideathon - IEEE SRM SB
 Description : Concepto was a Ideathon based event. I and Priyanshi David pitched our idea "Fellowly" in the event. It was organised by IEEE SRM student Branch. We got 2nd prize and cash prize of Rs.2000.
 Date : 23.9.2022 to 24.9.2022
 Days : 2



Name : **DEVJYOTI MOHANTY**
 Reg.No : RA2011028010020
 Event Name : Optum Stratethon : E-Track
 Description : Got an opportunity to participate in Season 4 of Stratethon, a prestigious competition for students to showcase their talent in Optum, part of the UnitedHealth Group.
 Date : 11.10.2022 to 11.10.2022
 Days : 1



Name : **SOORAJ TOMAR**
 Reg.No : RA2011030010224
 Event Name : iOS App Development Program
 Description : Trained on the Basics of iOS, Design and native iOS App Development, App pitch practice, Prototype development and ideation.
 Date : 27.10.2022 to 12.11.2022
 Days : 15



Name : **DEVROOP DAS**
 Reg.No : RA2111031010045
 Event Name : Aaruush '22 workshop on how python can bump youtube ranking : upgrad workshop
 Description : The event focussed on how can Python language be used to analyze trends seen on YouTube and how one can use that data to get good views.
 Date : 28.10.2022 to 28.10.2022
 Days : 1



Name : **HARSHIT KRISHNA**
 Reg.No : RA2011030010201
 Event Name : Codigo
 Description : Participated in codigo event, in which around 290 students participated. Round 1 was MCQ which tested the aptitude and the technical knowledge.
 Date : 10.6.2022 and 11.1.2023
 Days : 2



Name : **APOORVA DAYAL**
 Reg.No : RA2011030010223
 Event Name : Paper Presentation
 Description : Presented a paper on the role of AI / ML in Cyber Security.
 Date : 28.10.2021 to 28.10.2021
 Days : 1

MITACS INTERNSHIP**MUDIT RASTOGI**

RA1911031010056

IV Year – IT, K2 Section

I would like to thank my Faculty Advisor, Department of Networking and Communications at SRM and professor Loutfouz Zaman for giving me the opportunity to work on the project, I was able to work on and with new trending technology which not only broaden my horizon and knowledge but has also helped me improve my technical skills, it was a great learning experience. I was able to work with microsoft hololens 2 to make a debugging software for developers to make their workflow easier and efficient as they would be able to replay any bug that user had encounter as well as leave notes for other developers, we also integrated a data visualization tool in it for the developer to get some statistical data.

ALUMNI MESSAGE**B.SREE PADMAVATHY***Siemens Technology and Services Private Limited**Software developer engineer**B.Tech IT (2017 – 2021)*

It was the year 2017 when I joined SRM for my under graduation in B Tech in Information Technology. From that moment onwards it was a roller coaster journey for us students as well as faculties too. From day one the faculties were very friendly and helped us both personally and professionally too. They always made sure we do in all the assessments throughout the semester and also made sure we are mentally fine too. I know everyone says college life is just to enjoy but if we put in a little effort along with the enjoyment part, we can really get a satisfactory result. My time in SRM was very fruitful and enjoyable too. The university makes sure we are well-trained to sit for placements and the placement department thrives hard to provide a well-deserving job opportunity to every student. Last but not least I would like to say if you put in a little effort from your side and get good internals you will be stress-free for your semester exams and meanwhile enjoy your stay in the university too.

STUDENT ARTICLES**LEELA SAI LOKESH GONELA**

RA2011028010100

III Year - Cloud Computing

K2 Section

Augmented / Virtual Reality for the Visually Impaired

GPS can guide someone to approximately the right location on the street, at which point a sighted person would have no problem seeing the stop and checking which busses stop there. However, blind person faces serious difficulty in locating the signpost and ensuring it corresponds to their desired bus. For them, 5 meters can be the difference between catching the bus and hearing it drive right past them because they were waiting in the wrong place.

Microsoft HoloLens augmented reality device in order to help users navigate in unfamiliar environments. This could improve independence for blind people by allowing them to find and read objects such as bus stops without sighted assistance.

By making audible the 3D mesh of the user's surroundings that these devices generate, we will create a soundscape that will let users hear the objects around them. Thus, visually impaired users will be able to hear the presence of obstacles like tables and chairs, or the lack of obstacles that represents a doorway, from up to five meters away. In combining this capability with machine vision-powered text recognition in one hands-free headset, we hope to give blind users a new level of independence in unfamiliar spaces.

The 5G Future

5G which is on everyone's lips is scaling rapidly over all the older mobile generation and by the start of 2023 5G subscriptions crosses over 1 billion. Its wireless reliability raises the potential of IoT. And this machine-to-machine wireless communication is almost 20 times faster than 4G, more reliable and effortless. 5G is going to bring a new revolution in industries, where everything is going to be connected on a 5G network, including the cars, the chair, the table, etc. 5G could help businesses become more consumer friendly and affect the efficiency of business faster than ever before. It could invigorate education for the students, and 5G supports artificial intelligence for public safety.

The renowned feature of 5G is its increased speed and bandwidth. 5G will bring an improvement 10 to 100 times over the existing 4G Technology. It has decreased the latency, under 5 milliseconds, is the other key benefit for WAN usages. It has increased the density (more connected devices in the same physical area) to 100 times more than 4G LTE operates today, while maintaining its availability by 99.999%. Including all the increased features it has reduced the power consumption by 90% for devices means minor power savings at the smartphone level. Security has always been a concern for mobile devices and IoT devices because the latter live on the edge of the corporate network. 5G brings stronger security than 4G for the designers, including hardware security modules, key management services which will ensure that the data transmitted over 5G network is secure while also hardening network endpoints.

**ANKIT RAJ**

RA2011032010020

III year – IoT

P1 Section

STUDENT ARTICLES**AMAN VERMA**

RA2011032010001

III year - IoT, P1 Section

IoT as a Future

Internet of Things is a term that covers the many technological advancements that have enabled a network of connected devices to share information with each other, as well as with the cloud. Basically, it's how our gadgets and gizmos are staying in touch. IoT has revolutionized how we live, bringing us into a high-tech era of life. It's quite astounding how this new concept has altered our lifestyle in so many ways.

The emergence of Smart Cities, Smart Homes, pollution prevention, energy conservation, Smart Transportation, and Smart Industries are just some of the transformations made possible by the Internet of Things. Many vital research studies and inquiries have been

conducted to advance technology with the help of IoT. Nevertheless, there are still numerous hurdles and matters needing attention to reach the maximum potential of IoT. Industrial IoT (IIoT) is used by companies to create more efficiency in industrial, retail, healthcare, and other sectors. These smart devices, ranging from sensors to equipment, gather real-time data which can be used to streamline processes and give businesses an edge. With the right information, you can minimize costs and maximize revenue by improving your supply chain, logistics, personnel and production strategies.

RESEARCH PROJECT

Raja Ramanna Centre for Advanced Technology (RRCAT) is a premier government R&D organization dedicated to accelerators and lasers and their associated technology such as ultra-high vacuum, superconducting materials, etc. RRCAT houses two synchrotron particle accelerators namely Indus-1 and Indus-2, both dedicated to the nation and working 24hrs x 365 days. Indus-2 is a 2.5 GeV source with a circumference of 172 meters and uses many complex elements. Accelerated electrons emit high-brightness pulsed radiation that covers from soft X-rays to far infrared wavelengths and is available from many beamlines. Many institutions and research organizations book their time slot to use the beam line. Hence the reliable operation of the machine is a prime criterion and debugging the faulty element in the shortest time span can minimize the down time in case of shutdowns. Artificial Intelligence can help scientists working in the field to identify faulty elements and even predict the future shutdown based on analysis of various complex parameters. Amal Jogy is working under the guidance of Bhavana Merh, a senior scientist at RRCAT & Dr. A. Helen Victoria, Faculty of NWC, SRMIST-KTR to identify such cases using Artificial Intelligence. He is doing the project as part of his final year B.Tech project of CSE coursework at SRM.

**AMAL JOGY**

RA1911031010034

IV year – IT
K2 Section

ACTIVITY CORNER**DID YOU KNOW!!!****Grapes light on fire in the microwave**

Back in 2011, a physicist at the University of Sydney went viral after he placed a grape in the microwave and filmed the fiery aftermath. And oddly enough, scientists couldn't explain the phenomenon until quite recently. A March 2019 study published in Proceedings of the National Academy of Sciences reported that the fruity fireball occurs as a result of the loose electrons and ions that cluster to form plasma when grapes get hot.

The first item sold on eBay was a broken laser pointer

Buyer beware, as they say. Thankfully, buyer Mark Fraser was apparently aware of the fact that he was getting a broken laser pointer when he purchased it for \$14.83 from eBay's founder Pierre Omidyar in 1995.

**Japan is suffering from a ninja shortage**

If you ever dreamed of being a ninja, now might be the time to make it a reality. The Japanese city of Iga, which has a rich history of martial arts masters and claims to be the birthplace of the ninja, suffered from a ninja shortage in 2018, despite the fact that they're willing to pay salaries as high as \$85,000 for the performative ninjas willing to take on the job of staffing their annual ninja festival.



ACTIVITY CORNER**DID YOU KNOW!!!****The longest place name in the world is 85 letters long**

Unfortunately, this is one of the facts you probably can't repeat to your friends - and that's because it's nearly impossible to pronounce. Taumatawhakatangihangakoauauotamateaturipukakapikimaungahoronukupokaiwhenuakitanatahu is in New Zealand and is 85 letters long. And when it comes to other super long place names, it's followed by Llanfairpwllgwyngyllgogerychwyrndrobwlllantysiliogogogoch in Wales, Chargoggagoggmanchauggagoggchaubunagungamaugg in the U.S.,

Tweebuffelsmeteenskootmorsdoodgeskietfontein in South Africa, and Azpilicuetagaraycosaroyarenberecolarre in Spain.

Scientists made a "nanoguitar" the size of a human blood cell

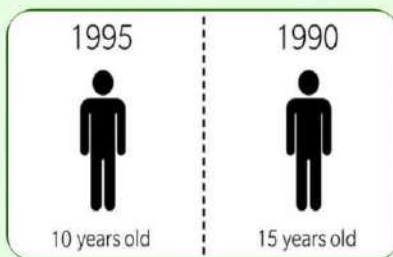
Cornell University researchers carved the tiny musical instrument out of crystalline silicon and claim that it's the world's smallest "nanoguitar" at 10 micrometers long. The guitar's six strings are each about 50 nanometers (100 atoms) wide. And while it was "made for fun to illustrate the technology," it also demonstrates how this tech could be used in fiber optics, displays, sensors, and electronics.

**Tech Bytes**

- ❖ The password of the computers in charge of controlling the nuclear missiles of the United States Army for years was 0000000000.
- ❖ The first mouse was built in 1964 and was made of wood. It was designed by engineer Douglas Engelbart and had the shape of a slightly bulky box. Did it have the famous "ball" that the ancient mouse used to have?
- ❖ It is estimated that Google consumes the energy of 200,000 households each year. And all this in order to index less than 1% of the information available on the Internet.
- ❖ Internet users blink less than usual. An average of 7 times per minute, when the average is 20 times. Now you know why you need to put all that eye drops in your eyes.
- ❖ CAPTCHA means... "Completely Automated Public Turing Test to tell Computers and Humans Apart". This must mean that the Turing Test has already been passed according to the creators of the concept since Artificial Intelligence has long since been able to overcome captchas.

ACTIVITY CORNER**PUZZLES****Question:**

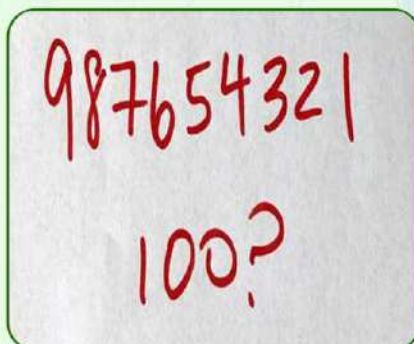
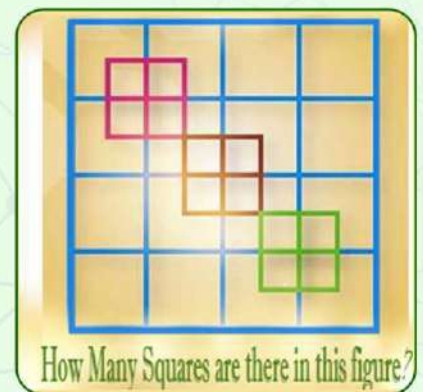
I left my campsite and hiked south for 3 miles. Then I turned east and hiked for 3 miles. I then turned north and hiked for 3 miles, at which time I came upon a bear inside my tent eating my food! What color was the bear?



Question: In 1990, a person is 15 years old. In 1995, that same person is 10 years old. How can this be?

8,549,176,320

Question: What makes this number unique: 8,549,176,320?

**Question:**

Can you make 100 by interspersing any number of pluses and minuses within the string of digits 9 8 7 6 5 4 3 2 1? You can't change the order of the digits! So what's the least number of pluses and minuses needed to make 100?

Question:

One rabbit saw 6 elephants while going toward River. Every elephant saw 2 monkeys going towards the river. Every monkey holds one tortoise in their hands.

How many animals are going toward the river?

5	3			7			
6			1	9	5		
	9	8				6	
8				6			3
4			8		3		1
7				2			6
	6					2	8
			4	1	9		5
				8		7	9

**Question:**

A man was murdered in his office. The suspects are Ericson, Maggi, Joel, Benny, Sona, Patick.

A calendar found near the man has blood written 6, 4, 9, 10, 11.

Who is the killer?



Submit Your Solutions in the below form:

<https://docs.google.com/forms/d/e/1FAIpQLSdmYiT7QG->

[kGSQRVWB7WL-m1gFR9f1weIMSL01eyzhZ_tKWeA/viewform?usp=sf_link](https://docs.google.com/forms/d/e/1FAIpQLSdmYiT7QG-kGSQRVWB7WL-m1gFR9f1weIMSL01eyzhZ_tKWeA/viewform?usp=sf_link)

RESEARCH ORATION

S.NO.	SCHOLAR REG.NO	SCHOLAR NAME	SUPERVISOR	TITLE	PRESENTATION COMPLETED DATE
1	RA2013003011010	Mrs.Sakthipriya S	Dr.R.Naresh	Agriculture 4.0	01-10-2022
2	RC2113003011011	Ms.S.Tamil Selvi	Dr. Visalakshi P	Jmeter	08-10-2022
3	RC2113003011014	Mr.K.Lakshmi Narayanan	Dr.R.Naresh	Smart Vehicle Technology in vehicular ad hoc networks	22-10-2022
4	RC2113003011022	Ms.Sowmiya K	Dr. Thenmozhi M	Precision Agriculture	29-10-2022
5	RC2113003011028	Mrs.Abinaya G	Dr. Revathi Venkataraman	Intellectual Property Rights	05-11-2022
6	RC2113003011029	Mr.Shanmuganathan. V	Dr.Suresh A	Challenges and Outcomes of Education	12-11-2022
7	RC2113003011015	Ms.Bharathi V	Dr.C.N.S.Vinoth kumar	Cyber Physical System	26-11-2022
8	RC2113003011066	Ms.M.Sangeetha	Dr.K.Nimala	Web Scraping	03-12-2022
9	RC2113003011067	Ms.Sujatha R.	Dr.K.Nimala	Pychram, Github	24-12-2022

EVENTS

PLACEMENT TALKS

Cracking Job Interview for Cyber Security on 3.11.2022

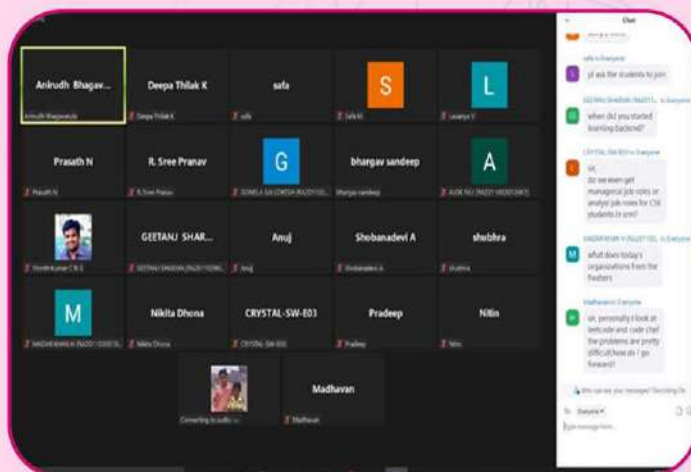
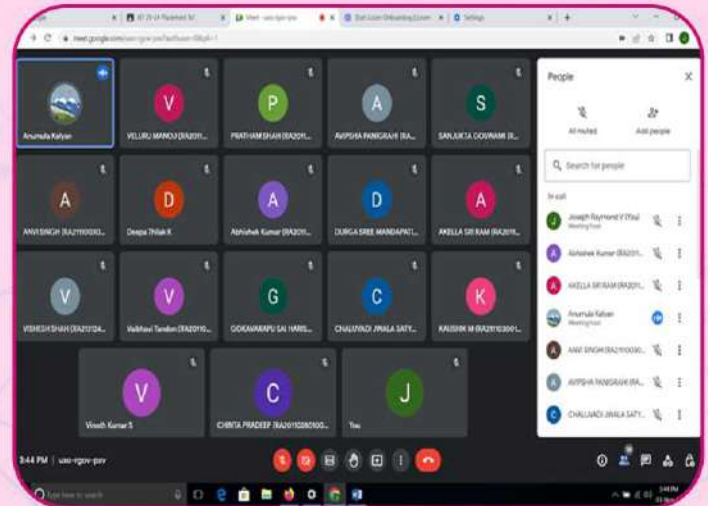
Convener:

Mr. Joseph Raymond

Resource Person:

Mr. Kalyan Anumula

Security Analyst, CSW, Chennai, TN.



A Candid Placement Q&A Session with Anirudh Bhagavatula On 24.11.2022

Conveners:

M.Safa, Ms.V.Lavanya

Resource Person:

Mr. Anirudh Bhagavatula



EVENTS**ALUMINI TALK****Student Mentorship on 21.10.2022****Conveners and Co-Conveners:**

Dr.A.Rathinam, Dr.K.Venkatesh, Dr.K.Nimala,
Dr.J.Godwin Ponsam

Speaker:

G.SURENDAR THINA

Senior Engineer Customer Operations
Cloudera Chennai.

**Prospects of Research Growth in Data Analytics and its applications on 19.11.2022****Conveners and Co-Conveners:**

Dr.A.Rathinam, Dr.K.Venkatesh, Dr.K.Nimala,
Dr.J.Godwin Ponsam

Speaker:

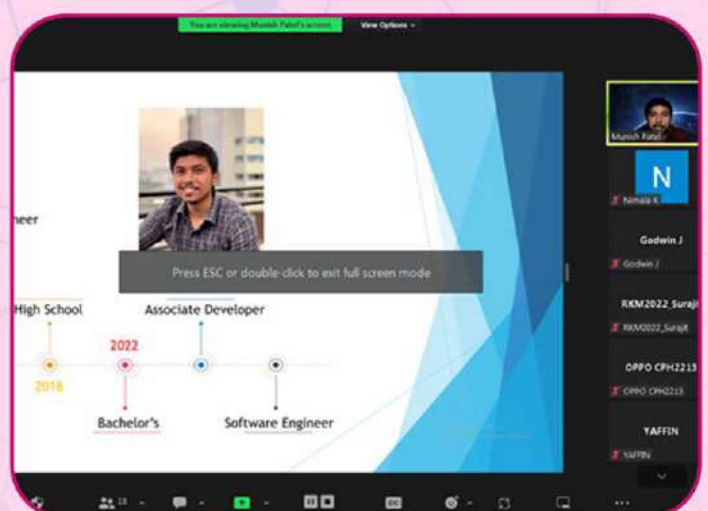
Aravindh B
TCS Digital,
System Engineer.

Today's Emerging Technologies-Cloud and Machine Learning on 29.11.2022**Conveners and Co-Conveners:**

Dr.A.Rathinam, Dr.K.Venkatesh, Dr.K.Nimala,
Dr.J.Godwin Ponsam

Speaker:

Mr.Munish Patel ,
CSE-IT, TCS Software Engineer,
Alumni 2018-2022 Batch



EVENTS

OTHER EVENTS

WORKSHOP ON STRUCTURING AND WRITING A SCIENTIFIC RESEARCH PROPOSAL (SERB) on 17.10.2022

Resource Person:

Dr.Sanjay Batra,
Chief Scientist, Division of Medicinal and Process Chemistry, CSIR-Central Drug Research Institute.

Advisors:

Prof.T.V.Gopal, Dean (E&T)
Prof.B.Neppolian, Dean (Research)
Dr.Revathi Venkatraman, Professor & Chairperson/SCO
Dr.Annapurani Panaiyappan.K, Professor & Head/NWC

Convener:

Dr.V.Hemamalini



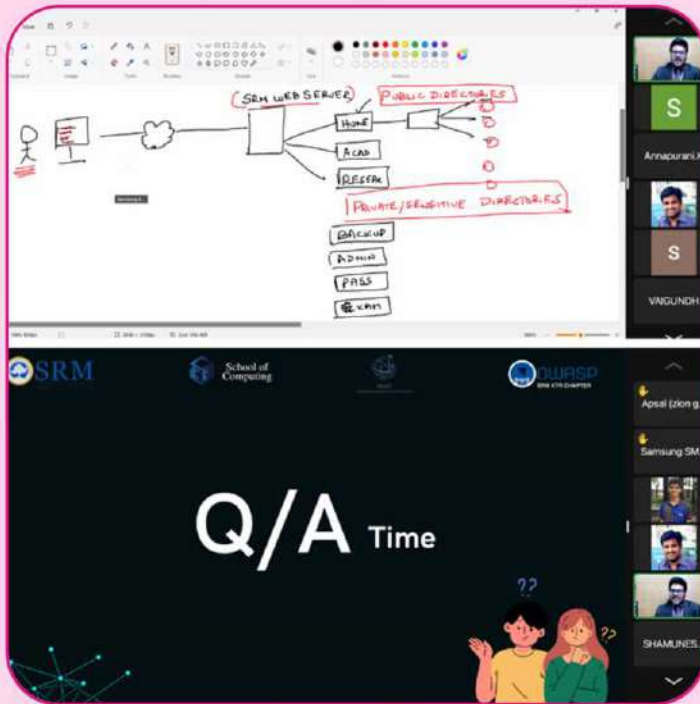
About the event: SERB aims to build up best management systems which would match the best global practices in the area of promotion and funding of basic research. The Government of India established the Science and Engineering Research Board (SERB) through an Act of Parliament, viz. the Science and Engineering Research Board Act, 2008. Promoting basic research in emerging areas of Science & Engineering is one of the prime objectives of the Board. In order to encourage our faculties of CET, and research scholars as per SRMIST mandate, and for further contribution to the inclusive growth of our organization. Department of Networking and Communications has taken an effort to organize this specific and focused workshop on writing good proposals with novel objectives, proposed outcomes addressing urgent needs of the country (societal & technological) as per current scenario.

Dr.Sanjay Batra, delivered effectively and clearly the following topics:

1. What makes a good scientific project proposal?
2. Present Subheads of SERB Grant Application
3. About the reviewing process
4. Present Subheads of SERB Grant Evaluation
5. Avoid in Grant Application
6. Typical Cause for Rejections
7. Plagiarism
8. Typical Cause for Rejections

EVENTS

OTHER EVENTS



OWASP SRM STUDENT CHAPTERS CYBER ATTACKS AND PREVENTIVE STRATEGIES on 27.10.2022

Faculty Coordinator:

Dr.C N S Vinoth Kumar

Expert Name:

Mr. Sankarraj Subramanian

Founder & CEO – Prompt Infotech Pvt Limited

Certified Ethical Hacker & Cyber Crime

Consultant , Coimbatore.

“Two days National level workshop On DevOps Bootcamp training “on 27.10.2022

Conveners and Co-Conveners:

Dr. M. Saravanan, Dr. S.Prabakeran

Speaker:

Mr.Partheepan Rudrapati,
CEO- Knowledge Xchange community.

Mr.Surya,
Knowledge Xchange community



EVENTS

OTHER EVENTS



Women in Tech-Open Mic Event on 15.11.2022

Coordinators:

Dr.K.Kalaiselvi,
Dr.K.Deepa Thilak

“EXPLORING THE JOURNEY OF IDEA TO COMMERCIALISATION” on 16.11.2022

Conveners and Co-Conveners:

Ms.M.Jayaselvi

Speaker:

Mr.J.Vijay Rathan Lingaa,
Techno-Legal Advisor, CIAP



Men's Day Celebration on 21.11.2022

Conveners and Co-Conveners:

Dr. L.Anand,



EVENTS

OTHER EVENTS



Enrich on Multidisciplinary Research and Teaching Skills on 21.12.2022

Conveners and Co-Conveners:

Dr.M.Saravanan

Speaker:

Dr.Balasubramanian Raman,
Profesor/CSE

iHUB Divyasampark Faculty chair,
Mehta Family School of Data Science and AI,
IIT Roorkee.

Collaboration with Bridge labs to upskill students for placement on 01.12.2022

Conveners and Co-Conveners:

Dr.L.Anand

Speaker:

Mr. Narayanan
CEO, BridgeLabz Solution Pvt. Ltd.
Mumbai.



Questions

Leaderboard



Submit

5004/6162



Online coding competition along with Newton coding Club on 31.12.2022

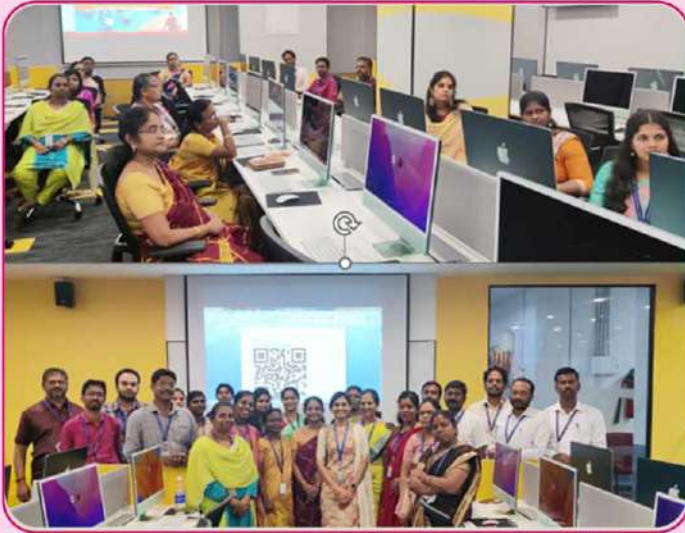
Conveners and Co-Conveners:

Dr. L.Anand,

Dr.Balasaraswathi

EVENTS

SCO EVENTS HIGHLIGHTS



**Social Media Handle Workshop at
MAC Lab on 16.11.2022 to
23.11.2022**

**School of Computing Organized
Cricket for Men and Throw ball for
Women
(Teaching and Non-Teaching Faculty
Members) on 17.12.2022**



**Christmas Celebration in SCO on
24.12.2022**



EVENTS

SCO EVENTS HIGHLIGHTS

SDG Hackathon on 16.11.2022 and 17.11.2022



"THERE MUST BE A BETTER WAY TO MAKE THE THINGS WE WANT, A WAY THAT DOESN'T SPOIL THE SKY OR THE RAIN OR THE LAND".

SRM Institute of Science and Technology in association with SIIEC has successfully conducted "SRMSDG Hackathon 2022", a two days hackathon that has brought together the best tech enthusiasts and experts across the SRM to code their way up the tech ladder.

திருக்குறள் | THIRUKKURAL

**“ஒழுக்கம் விழுப்பந் தரலான் ஒழுக்கம்
உயிரினும் ஒம்பப் படும்.”**

**“ozhukkam vizhuppanh tharalaan ozhukkam
uyirinum Ompap padum”**

குறள் : 131

பொருள் :

ஒழுக்கமே எல்லார்க்கும் மேன்மையைத் தருவதாக இருப்பதால், அந்த ஒழுக்கமே உயிரை விடச் சிறந்ததாகப் போற்றப்படும்.

Explanation :

Propriety of conduct leads to eminence, it should therefore be preserved more carefully than life.