NETCOMM BULLETIN

Quarterly Edition - Issue 2 - Jan 2022

Message from the Editor

Hi Associates,

Travelling in the Train of passengers, astonishing with the RailYatri data, which provides the mobile network coverage for any train, where the Delhi-Howrah (Kolkata) train route has the highest mobile connectivity with Airtel offering the widest coverage. Yes. The Peripatetic routes are networked with our sensitive thought communication which helps the human community in Academics, Research, and Innovation through excellence by the Networking and Communication Department, School of Computing.

Many times the wrong train took us to the right place, where our initial beliefs wavered and harmonized at the focal point of convex right now. An IDC report, 'The Business Value of Edge in a Digital-First World,' says that nearly 6 in 10 enterprises in Asia Pacific are planning to integrate edge fully into their cloud-based infrastructure. Wi-Fi 6 will make huge inroads into the enterprise: Estimated to be more than 30% faster than Wi-Fi 5, Wi-Fi 6 can make a huge difference with huge improvements in speed and reduced latency in environments like stadiums, airports etc. that have a higher density of devices.

5G will unleash a new wave of innovation: 5G has an estimated theoretical speed of 20 Gbps compared to 1 Gbps for 4G and providing high bandwidth applications to create a fertile ground for encouraging development of Augmented Reality or Virtual Reality apps with an impact on sectors such as telemedicine, remote classrooms where high bandwidth applications are deployed.

SD-WANs have surged in popularity and are expected to dominate enterprise networking ecosystems in 2022 as well as per the report by Dell'Oro Group where 40% of organizations having multi cloud access, the adoption of SASE in conjunction with SDWAN is only going to gain momentum in 2022 and beyond.

AI will be a default choice for network automation: With the growing complexity and a huge increase in traffic, AI will be a default choice for automating many manual processes done by network administrators. We step in with the contributions of all kinds, from students to faculty. We will expand our horizons in the fields mentioned with exciting innovative beliefs.

It is better to Travel well, than to Arrive!

Dr.B.Amutha
Editorial Head

SCO NEWSLETTER HEAD

Dr. B. Amutha
Prof. School of Computing

FACULTY TEAM

Dr.V.M.Gayathri

Dr.P.Supraja

Ms.A.Helen Victoria

Dr.K.A.Varun Kumar

Ms.C.Fancy

Mr.S.Deepan

Mr.N.Murugan

CONTENTS

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 recognisable 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.

Dr.K.ANNAPURANI PANAIYAPPAN,
Professor & Head
Department of Networking and Communications
School of Computing
College of Engineering and Technology (CET)
SRM Institute of Science and Technology
Kattankulathur - 603203

MISSION

* To provide world class IT professionals with appropriate industry and research based curriculum

* To train the students in such a way that leads to entrepreneurship and develop societal need based industries

* To nourish the students as a socially responsible professionals by providing them training in personality development, ethics and leadership program.

Perfection is an illusion. But we all try hard to achieve atleast a shard of it to control the chaos. Lets try our hardest and be more understanding amidst the current situation of uncertainties to retain just a piece of normalcy.

- Dr.K. Annapurani Panaiyappan
Prof & Head Dept. of NWC

List of Consultancy Works

Title of the collaborative activity	Name of the collaborating agency	Name of the participant	Amount(Rs)
MK Freight Management system	MK Transports	Dr. K.Kalaiselvi, Dr. K.Deepa Thilak	24,000
JDesignS	Caddycode Solutions Pvt Ltd	Dr. TYJ Naga Malleswari	30,000
Neighbourhood crime data analysis	Samsung PRISM	Dr. Kayalvizhi Jayavel	22,000
AICTE Spices	AICTE	Dr. Kayalvizhi Jayavel	1,00,000
AAIW	AIJ	Dr. Kayalvizhi Jayavel	1,00,000
NFHS-5	MoHFW	Dr. Kayalvizhi Jayavel	3,00,00,000
Invitreo Healthtech Ventures pvt. Ltd.	Healthcare	Dr. Suresh Sankaranarayanan, Dr. K.Annapoorani	80,000
DubMania	Code Neuron Technologies	Dr. L.Anand, Dr. L.N.B Srinivas , Dr. M.Thenmozhi	1,18,000
Career portal	Martin Colt	Dr. L.Anand, Dr. V.Hemamalini, Dr. K.Annapoorani	60,000

Notable Projects

Sl.No	Name	Category	Project details
1	Dr.E.Sasikala, Dr..Vaishnavi Moorthy & Dr.Revathi Venkataraman	DRDO Funded Project	Co-Principal Investigator in DRDO Funded Projects "Secure Configuration for Heterogeneous Wireless Networks", funded by DRDO SAG Lab for 23.61Lakhs (ongoing Dec 2020 onwards for 20 months),
2	Dr.M.pushpalatha Dr..Vaishnavi Moorthy	Collaborative Projects	Developing an application for "Mood analysis and recommendation system for smokers " in association with Dr.Prakash, faculty of SRM public health Samsung Prism Worklet 3rd Phase 2021: "Sensor Mood Profiling" (Ongoing), April 2021 onwards,
3	Dr.Vaishnavi Moorthy	Selective Excellence Research Initiative - SRM	Developing a mobile phone application to check drug-food interactions" (ongoing) sanctioned under Selective Excellence Research Initiative – 2021 for Rs.75,000, Dr.Jagadesan (Department of Pharmacy in practice, SRM),
4	Dr.Vaishnavi Moorthy, Dr.Revathi Venkataraman	Collaborative Projects	Mobile Application for Monitoring Mental Health" (Ongoing) for Royal Brisbane and Women's Hospital, Southern Queensland, Australia,

Patents

S.No.	Month	Title	Applied Agency	Faculty Name	Published/Granted
1	October	A system for portable ai integrated automatic image recognition-based packaging box building apparatus for online shopping products	Indian Government	Dr. Supraja P	Published
2	October	Design of defeated ground structured fermi tapered antenna for future generation communication	Intellectual Property India	Dr. Arun.A	Published
3	October	Early detection of skin cancer using handheld low-cost smart device	Indian Patent Office	Dr. Varun Kumar K A	Granted
4	October	IoT based agricultural monitoring system and method	Indian Patent Office	Dr. Suresh S	Published
5	October	RFID based Intelligent Smart-Cart System for Automatic Billing	The Patent Office, India	Dr. N Prasath	Published
6	November	Dual lateral flow assay with gold nanoparticle for presumptive identification of oral cancer	Indian Patent Office	Dr. Varun Kumar K A	Published
7	November	Time and topology structure based traffic flow prediction with artificial intelligence and neural network	IP Australia	Dr. Arun.A	Published
8	December	A system for enabling a quadriplegic person to control movement of a wheel chair	Indian Patent Office	Dr. Kayalvizhi R.	Published
9	December	A system for analyzing upper aero-digestive tract (uadt) tumor images and a method thereof	The Patent Office	Dr.C.Malathy	Published
10	December	A system and method for classification and grading of upper-aero digestive tract tumors	The Patent Office	Dr.C.Malathy	Granted
11	December	ML based future prediction of COVID19 Vaccine trends using voting classifier	Intellectual Property India	Dr.S.Thanga Revathi	Published
12	December	An Intelligent Telugu Handwritten Character Recognition using Multi objective Mayfly Optimization with Deep Learning based Densenet Model	Intellectual Property Rights, Chennai	Dr.N.Krishnaraj	Published

Publications

S.No	Month	SCI /SCOPUS	Faculty Name	Paper Title	Journal Name	SNIP/IF
1	October	SCI	Mary Subaja Christo, V. Elizabeth Jesi, Uma Priyadarsini, V. Anbarasu, Hridya Venugopal, Marimuthu Karuppiah	Ensuring Improved Security in Medical Data Using ECC and Blockchain Technology with Edge Devices	Security and Communication Networks	SNIP 1.555 IF 1.791
2	October	SCI	Gatera Antoine, Chomora Mikeka, Gaurav Bajpai, Dr. Kayalvizhi Jayavel	Speed Management Strategy: Designing an IoT-Based Electric Vehicle Speed Control Monitoring System	Sensors	SNIP 1.555 IF 3.567
3	October	SCI	Arulananth S, Baskar M, Anbarasu V, Thiagarajan R, Rajendran T, Balaji A	Multi-party secure data access management in cloud using user centric blockchain data encryption	Pattern Recognition Letters	SNIP1.739 SJR0.669I MF3.75
4	October	SCOPUS	S.Saranya, M.VijayAnand, T.RajeshKumar, L.Vanitha, K.Kalaiselvi, P. Suresh	EXPERT SYSTEM USING ARTIFICIAL INTELLIGENCE TECHNIQUES FOR DIABETES	Design Engineering (Toronto)	SNIP 11.486
5	October	SCOPUS	Akshaya Ravichandran, Krutika Mahulikar, Shreya Agarwal, Suresh Sankaranarayanan	Post Thoracic Surgery Life Expectancy Prediction Using Machine Learning	International Journal of Healthcare Information Systems and Informatics	SNIP 0.487
6	October	SCOPUS	S. Velliangiri, V Anbarasu, P. Karthikeyan, S. P. Anandaraj	Intelligent Personal Health Monitoring and Guidance Using Long Short-Term Memory	Journal of mobile multimedia	SNIP 0.487
7	October	SCOPUS	Gollapalli Sumana, K. Kalaiselvi, J. Vijayalakshmi, S. Shanthi, G. Aparna, M. Kezia Joseph	A design and development of support system for prediction of various renal syndromes using artificial neural networks	International Journal of Systems Assurance Engineering and Management	SNIP 1.014
8	November	SCI	M. Rajalakshmi, K. Annapurani Panaiyappan	A Multimodal architecture using Adapt-HKFCT segmentation and feature-based chaos integrated deep neural networks(Chaos-DNN-SPOA) for contactless biometric palm vein recognition system	International Journal of Intelligent Systems	SNIP 1.718 IF:8.709

Publications

S.No	Month	SCI /SCOPUS	Faculty Name	Paper Title	Journal Name	SNIP/IF
9	November	SCI	V. M. Gayathri, P. Supraja, A. Razia Sulthana, P. Mukunthan	Modified device key generation algorithm and A* algorithm to optimize the security measures based on trust value in device-to-device communications	Soft Computing	SNIP 1.463
10	November	SCI	S. Ushasukhanya, M. Karthikeyan	Automatic human detection using Faster-RCNN for electricity conservation system	Intelligent Automation and soft computing	SNIP 0.778 IF 1.647
11	November	SCI	D.Saveetha, Dr. G.Maragatham	Design of Blockchain enabled intrusion detection model for detecting security attacks using deep learning	Pattern Recognition Letters	SNIP1.739 SJR0.669I MF3.75
12	November	SCI	V Elizabeth Jesi, Shabnam Mohamed Aslam, G Ramkumar, A Sabarivani, A K Gnanasekar, Prince Thomas	Energetic Glaucoma Segmentation and Classification Strategies Using Depth Optimized Machine Learning Strategies	Contrast Media and Molecular Imaging	SNIP 0.816 IF 3.161
13	November	SCI	Evariste Twahirwa, Kambombo Mtonga, Kayalvizhi Jayavel, Willie Kasakula, Peace Bamurigire	Assessment of the Impact of COVID-19 on Operations of Local Businesses and Level of Enforcement of Public Health Safety Measure within Business Premises: A Quantitative Study of Businesses i	Sustainability	SNIP 1.242
14	November	SCOPUS	V Nallarasan, Kottilingam Kottursamy	Energy Efficiency and Throughput Analysis of Cognitive based Internet of Things	IEEE	0
15	November	SCOPUS	C. Malathy, Sneha Das	Diagnosis of diseases from retinal images using support vector machine	International Journal of Healthcare Technology and Management	SNIP 0.327
16	November	SCOPUS	K Kalaiselvi, Bazil Wilfred, E Bijolin Edwin, Nancy Arya, Purvansh Jain, K Sentamilselvan	Cross-Vehicle Communication Based on Packet Network Theory	Journal of Nuclear Energy Science & Power Generation Technology	0

Publications

S.No	Month	SCI /SCOPUS	Faculty Name	Paper Title	Journal Name	SNIP/IF
17	November	Scopus	Kambombo Mtonga, Antoine Gatera, Kayalvizhi Jayavel, Mwawi Nyirenda, Santhi Kumaran	Adaptive staff scheduling at Outpatient Department of Ntaja Health Center in Malawi - A queuing theory application	Journal of Public Health Research	SNIP 1.015 IF
18	November	SCOPUS	T.Vishal Patro, M.Gayathri, C.Malathy	Smart mirror with biometric authentication	International Journal of Advanced Intelligence Paradigms	SNIP 0.36
19	November	Scopus	Rupendrareddy Peddireddy Gari, Vishnu Surendran, Thankaraja, Raja Sree	Integration of blockchain technology in a healthcare sector	Materials Today Proceedings	SNIP 0.657
20	December	SCI	S. Thanga Revathi , A. Gayathri, J. Kalaivani, Mary Subaja Christo , Danilo Pelusi and M. Azees	Cloud-Assisted Privacy-Preserving Method for Healthcare Using Adaptive Fractional Brain Storm Integrated Whale Optimization Algorithm	Security and Communication Networks	IF 1.791
21	December	SCI	S. Neelakandan, A. Arun, Raghu Ram Bhukya, Bhalchandra, M. Hardas, T. Ch. Anil Kumar, M. Ashok	An Automated Word Embedding with Parameter Tuned Model for Web Crawling	Intelligent Automation & Soft Computing	IF 1.647
22	December	SCI	J. Aswini, B. Yamini, Rajaram Jatothu, K. Sankara Nayaki, M. Nalini	An efficient cloud-based healthcare services paradigm for chronic kidney disease prediction application using boosted support vector machine	Concurrency and Computation: Practice and Experience	IF 1.536
23	December	SCOPUS	Vijaya Krishna Sonthi, Dr. S. Nagarajan, Dr. N. Krishnaraj	Automated Telugu Printed and Handwritten Character Recognition in Single Image using Aquila Optimizer based Deep Learning Model	International Journal of Advanced Computer Science and Applications	SNIP 0.54

MOU

MoU between SRMIST-KTR and Vectra Technosoft Pvt. Ltd. Signed on 02.11.2021
Convener: Dr. K. Annapurani
Co-convener: Dr. CNS Vinoth Kumar, Dr. P. Vigneshwaran

The purpose of this MOU is to conduct online training in the premises of SRMIST, KTR, and to conduct the (Competitive/ Higher Education Preparation/Industry Ready) courses for the students of SRMIST, KTR.

FACULTY MEMBERS ACHIEVEMENTS

S.No	Name Of The Faculty	Name Of The Achievement	About The Event
1	Dr.C.N.S.Vinoth Kumar	Best Paper Award	Received Best Research Paper Award in the category of Intelligent systems on 2nd Congress on Intelligent Systems CIS 2021 held in Christ Deemed University, Bangalore during Sep 04th & 05th 2021.
2	Dr.C.N.S.Vinoth Kumar	Certificate for Best Paper	Certificate of Best Paper Award in the AICTE sponsored "International Conference on Modern Research & Computations in Electrical Technology (ICMRCET–2020)" Organized by Department of Electrical & Electronics Engineering & Internal Quality Assurance Cell (IQAC) during 7th & 8th January 2021.
3	Ms. C. Fancy	Best Paper Award	Received Best Paper Award in the 1st Virtual International Conference on Innovative Computational Intelligence conducted by Francis Xavier Engineering College, Tirunelveli on 7th May 2021.
4	Dr.R.Radhika	Young Scientist Award	Global Research Foundation is a Delhi-based leading international organization in the field of academic research worldwide. Global Research Foundation provides a platform to worldwide researchers and instituted a number of awards in different disciplines. This award is for the Invaluable contribution provided by the awardee for the growth and prosperity of a Nation that provides the scientific and technological development of the country.
5	Dr. L.Anand & Dr. V.Hemamalini	The initiative taken by us for inviting Optimeyes.ai and BITCS super dream company	**Optimeyes.ai** The initiative took by Dr. L.Anand & Dr. V.Hemamalini for our department to place our NWC students. 3 students got placed with a PPO offer of a package of 10-15LPA with a stipend of 20k during the Internship. **BITCS** The initiative took by Dr. L.Anand & Dr. V.Hemamalini for our department to place our NWC students. 4 students got placed with a PPO offer of a package of 10LPA with a stipend of 15k during the Internship.
6	Ms. V.Vijayalakshmi	International Conference Technical program committee member	Being a Technical Program Committee member in the following International Conference I helped in handling issues related to paper submission, review, etc. Also helped in reviewing the papers and allocating paper to the technical team based on their domain.

FACULTY MEMBERS ACHIEVEMENTS

S.No	Name Of The Faculty	Name Of The Achievement	About The Event
7	Dr. Mary Subaja Christo	Guest Lecturer on Machine Learning	She gave the Guest Lecturer on Machine Learning. In this event, she explained the machine learning concept based on the following topics Need for Machine Learning, What is Machine Learning, Machine Learning Definitions, Machine Learning Process, Types of Machine Learning and Demo.
8	Dr. K.Kalaiselvi, Dr. K.Deepa Thilak	Book Publication	Optimization techniques in wireless body area networks is the title of a book published by AkiNik Publications in New Delhi. The several optimization techniques implemented in wireless body area networks are covered in this book.
9	Dr. L.Anand	ISRO Internship	The initiative took by him 11 students from various departments of our university selected for an internship in ISRO-IIRS to work with ISRO-IIRS scientists. Total students applied all over India 10000 students, Total Selected students 100, out of 100, 11 students from SRM Institute of Science and Technology KTR Campus
10	Dr. L.Anand	AICTE Internship	Many students from various departments have registered in the AICTE Internship portal and have applied for many internships including IT and Non-IT Sector. Department coordinator is from all departments of E&T are motivating the students along with their faculty advisors.
11	Dr.P.Supraja	DD Podhigai Interview	She has been invited as a guest for Vanakam Podhigai show to felicitate her Best Teacher Vishvesharaya Award 2021.
12	Dr.P.Supraja	Wednesday Speaks-Aarush	She conducted an interactive session on the topic "Mind Map to Unleash your Brain's Activity" on 12th Jan for Wednesday Speaks session initiated by Team Aarush.She gave insights on need for brainstorming, simplifying complex tasks and performing graphical organization to facilitate deeper understanding,

Faculty Course Completion

Sno	Name	Name of the Certification Course	Conducted by
		CISCO	
1	Dr. S. Murugaanandam	CCNA Industrial certificate Routing and Switching: Connecting Networks-	CISCO
2	Dr. S. Murugaanandam	CCNA Networking Basics	CISCO
3	Dr. S. Murugaanandam	CCNA Instructor- Routers and Routing Basics	Cisco
4	Dr. S. Murugaanandam	CCNA Instructor: WAN Technologies	CISCO
5	Dr. S. Murugaanandam	CCNA Instructor: Switching basics and Intermediate Routing	CISCO
6	Dr. S. Murugaanandam	CCNA Instructor : Routing and Switching - Connecting Networks	CISCO Amrita University
7	Dr. S. Murugaanandam	CCNA Security Instructor: CCNA Security	CISCO CRISP-BHOPAL
8	Dr. S. Murugaanandam	CCNA Instructor : Routing and Switching - Scaling Networks	CISCO- Amrita University
9	Saveetha D	CCNA Instructor : CCNA Routing and Switching: Introduction to Networks	CISCO- Amrita University
10	Saveetha D	CCNA Instructor : CCNA Routing and Switching: Routing and Switching Essentials	CISCO- Amrita University
11	C. Fancy	CCNA Instructor : CCNA Routing and Switching: Introduction to Networks	CISCO- Amrita University
12	C. Fancy	CCNA Instructor : CCNA Routing and Switching: Routing and Switching Essentials	CISCO- Amrita University
13	C. Fancy	CCNA Instructor : CCNA Routing and Switching: Scaling Networks	CISCO- Amrita University
14	C. Fancy	CCNA Instructor : CCNA Routing and Switching: Connecting Networks	CISCO- Amrita University
15	Dr. J Godwin Ponsam	CCNA Instructor : Network Fundamentals	
16	Dr. J Godwin Ponsam	CCNA Instructor : Routing	
17	Dr. J Godwin Ponsam	CCNA Instructor : Switching	
18	Dr. J Godwin Ponsam	CCNA Instructor : WAN Technology	
19	Dr. K. Venkatesh	CCNA Instructor : CCNA Routing and Switching: Introduction to Networks	CISCO- Amrita University
20	Dr. K. Venkatesh	CCNA Instructor : CCNA Routing and Switching: Routing and Switching Essentials	CISCO- Amrita University
21	Dr. K. Venkatesh	CCNA Instructor : CCNA Routing and Switching: Scaling Networks	CISCO- Amrita University
22	Dr. K. Venkatesh	CCNA Instructor : CCNA Routing and Switching: Connecting Networks	CISCO- Amrita University
23	Dr.R.Radhika	CCNA Instructor Routing and Switching	CISCO
24	Dr.N.Krishnaraj	Routing and Switching	CISCO
		EC Council	
25	V Joseph Raymond	Certified Ethical Hacking	EC Council
26	Dr. J Godwin Ponsam	Certified Ethical Hacker	EC-Council
27	Dr. S. Murugaanandam	Cloud Infrastructure Services	EMC 2, Bangalore.
		HackerRank	
28	Dr S. Prabakeran	HackerRank- Python Certification	HackerRank
29	Dr VIJAY VASANTH A	SQL-Intermediate	Hackerrank
30	Dr. Lakshminarayanan R	Hackerrank - Problem Solving Basic	Hackerrank
31	Dr. Manickam.M	Python(Basic)	HackerRank
		Microsoft	
32	Dr. S. Murugaanandam	Microsoft Certified Professional	Microsoft
		Oracle	
33	Dr. S. Prabakeran	Oracle Cloud Infrastructure Foundations 2021 Certified Associate	Oracle
		AICTE-NITTTR	
34	V.Vijayalakshmi	Module 1_ Orientation Towards Technical Education and Curriculum Aspects	NITTTR
35	V.Vijayalakshmi	Module 2_ Professional Ethics & Sustainability	NITTTR
36	V.Vijayalakshmi	Module 3_ Communication Skills, Modes & Knowledge Dissemination	NITTTR
		ISRO	
37	Dr.K.Kalaiselvi	Geospatial Inputs for Enabling Master Plan Formulation for AMRUT sub scheme	ISRO
38	Dr.Nimala.K	Geo spatial inputs for enabling master plan formulation for AMRUT Sub Scheme	ISRO
39	G.Saranya	Basics of Geographical Information System	ISRO
40	G.Saranya	Geospatial Inputs for Enabling Master Plan Formulation for AMRUT sub scheme"	ISRO
41	Geetha G	Basics of Geographical Information System	ISRO
42	Dr.K.Deepa Thilak	Geospatial Inputs for Enabling Master Plan Formulation for AMRUT sub scheme	ISRO
43	Dr. S. Murugaanandam	Prometric Testy Center Administrator	Pearson VUE

FACULTY ARTICLE

Dr.C.Malathy,
Professor,
Department of Networking and Communications

Atmospheric Water Harvesting Using Solar Energy

Recently, WHO has announced accessible safe drinking water by 2030 is an international development priority. Global water scarcity is a major crisis, especially in developing countries. Any safe drinking water is defined to be contamination-free. In recent times, Atmospheric Water Harvesting (AWH) has seen progress towards generating drinking water from the air. It shows great potential in addressing the world's water crisis. It can be used to produce water even in arid and semi-arid regions. Solar energy which is available in abundance in this world is the major source used to extract water from the air. AWH includes active and passive devices for harvesting water present in the form of relative humidity in the air. The active devices use external energy present mainly as solar energy. The passive devices rely solely on the atmospheric pre-condensed dew or fog which is collected. Traditionally, AWH used passive devices and thus were restricted by the atmospheric conditions. However, nowadays, AWH is using hydrogel materials synthesized specifically to trap water molecules from the air. To obtain liquid water, the hydrogel is later kept under the sun in a condenser thus utilizing solar energy. As it can be inferred, the water release process consumes high energy and is a challenge as well. Extracting maximum water yield even in low relative humidity conditions is a major goal. In a typical environment, the hydrogel is placed open during the night as the relative humidity (RH) at night tends to be comparatively higher. The gel material starts capturing the water molecules present in the form of vapor in the air. During the day, the water-infused gel is then placed inside a condenser under the sun to produce water. Solar energy enables the release of the captured water molecules. This is the typical cycle seen in AWH. Thus, in AWH, materials like desiccants like silica gels, zeolites, Metal-organic Framework based materials are the materials usually designed towards this purpose of maximum yield with minimal energy. An article published in Nature has determined that a one-meter square device that can produce 0.2 L to 2.5 L per Kilowatt Hour under 30-60% RH can meet the average requirement of 5L per person in a day. Thus, AWH could exhibit a tremendous impact in providing accessible drinking water everywhere in the world very soon.

STUDENT ACHIEVEMENTS
Student Startups

Johny Samuael S

Startup name :- Rezzlon Private Limited

Industry- Software and technology / Anti Counterfeiting

Ownership type- proprietorship

Vision- A B2B startup that provides Mass Serialisation, Anti Counterfeiting Solutions and Supply Chain Management Systems for companies. Innovated a novel algorithm for Mass Serialisation and Anti Counterfeit, that generates millions of secure traceable crypto enabled codes in seconds, which is currently used by over 35 Lakh Products in the supply chain. Our services such as End to End inventory control and supply chain management are used by MNCs. The vision of the company is to make sure every product and taxable invoice does not get counterfeited.

Team strength - 3 members

Founders- Johny Samuael S and others
Student from 3rd Year CSE with specialisation in Information Technology, L1 Section

Faculty Advisor : Dr.P.Supraja

Johny Samuael S, Dhruv Bhagwat, Saket Kattuboina

Startup name- Tesseract Inc

Industry- Internet of Things, Consumer Electronics

Ownership type- proprietorship

Vision- A D2c Startup company that was launched which tailored interconnected pair-able IOT Lamps. This was the World's first long-distance lamps that come with an inbuilt WiFi extender. Completed the product cycle, architectured and wrote the algorithms to make this product a reality and sold multiple units in only a month. Sponsored various events in SRM, IITs, NITs and much more to advertise the importance of mental health.

Team strength - 5 + members

Founders - Johny Samuael S, Dhruv Bhagwat, Saket Kattuboina and Others
Students from 3rd Year CSE with specialisation in Information Technology, L1 Section

Faculty Advisor : Dr.P.Supraja

STUDENT ACHIEVEMENTS
Student Startups

Somya Sarathi Samal, Shobhit Srivastava, Khushboo Rupani, Pratiksha Ghosh

Startup name- Zevamp (zevamp.com)

Industry- Education, Technology

Ownership type- Not registered yet (Pvt. Ltd. in process)

Vision- We intend to offer Zevamp for the age group between 16 to 24-year students and young employees across the world. So that they will be able to enhance their personality through conversations and our psychologically standardized meet environments. We provide moderated frameworks and mentorship programs. The idea recently got backed by Microsoft for Startups, Razorpay Rize and 100X.VC Gurukul Class 03.

Current finalist: UDGAM IITG, IDEATHON IIT R, IIM Bangalore NSRCEL Incubation - Second Position, NIT BHOPAL

Team strength- 7 members

Founding Team: Somya Sarathi Samal, Shobhit Srivastava, Khushboo Rupani, Pratiksha Ghosh from SRMIST (+ 3 other college students Garima(IGDTUW), Hardik (BVP COEP), Divyanshu (NSUT) Students from 3rd Year CSE with specialisation in IT, CSE with specialisation in CC

Faculty Advisor : Dr.P.Supraja, Mrs.A.Helen Victoria, Dr.P.Balamurugan

Harshit Prakash

Startup name- Barb Salon Services

Industry- Internet, Fashion and technology

Ownership type- proprietorship

Vision- Barb is an app based startup which aims to provide people all over to book their salon appointments through the app without hassle and eliminate the waiting time that they face in salons during this time of corona, keeping every booking online, people can decide exactly what they want and this would help small salons and beauty parlours increase their business in the long run. Aim is to revolutionise the salon industry through our startup.

Team strength - 15 to 20 members

Founder - Harshit Prakash

2nd Year CSE with specialisation in Computer Networking

Faculty Advisor: Dr.k.kalaiselvi

STUDENT
ACHIEVEMENTS
SIIC Funding
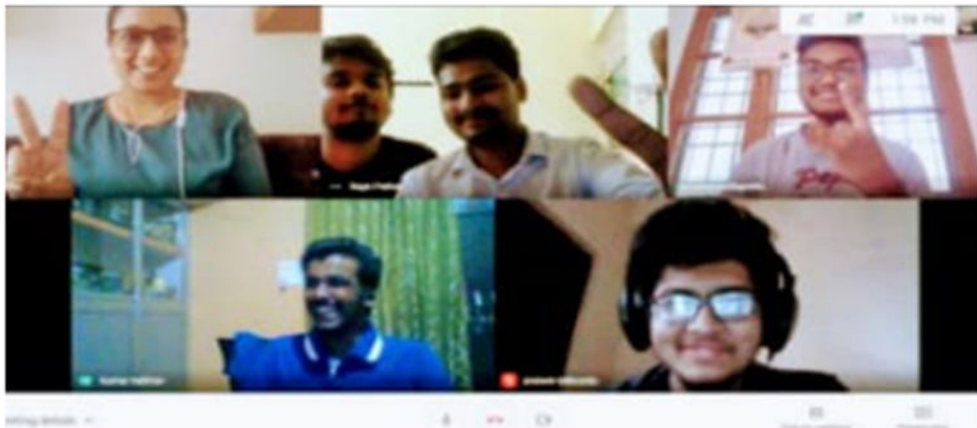
SIIC Funding Project Title : Smartisation of Anti Infiltration Obstacle System

Amount : Rs.1,60,398

Faculty Mentor : Dr. Annapurani Panaiyappan.K

Student Team : Rajat Pathak, Kumar Vaibhav, Pratiksha Mohite, Prateek Tatikonda, Uttez Pallapothu, Anish Chaudhary

Border security forces are diligent in eradicating infiltration across borders to establish peace in the country. By introducing a smart system, we would lend them a hand in escalating peace across the country and ceasing infiltration of foes across borders. The need of the hour is to design an automated border surveillance system which can perform the surveillance task without requiring any human assistance.

STUDENT ACHIEVEMENTS

Swarnabha Das
(RA1911003010170)

Chetan Pareek
(RA1911031010021)

Atimabh Barunaha
(RA1911029010032)

Raghav Sharma
(RA1911003010481)

M Ram Prakash Reddy
(RA1911029010012)

For Winning
Razorpay
FTX 2021
[HACKATHON]
with a cash prize of ₹ 2.5L

Aryan Bhatnagar
III Year
B.Tech NWC- Information Technology
From the team, Hack Runners has created Bowie and ranked
1st in the CC-Hacks 2021 Event

Aniruddha Ghosh
II Year
B.Tech NWC- Cyber Security
Completed all requirements and criteria for Certified
Ethical Hackercertification through an examination
administered by EC-Council.

STUDENT ACHIEVEMENTS

Vinoth S
III Year
B.Tech NWC- Cyber Security
Completed 8 weeks NPTEL Online Certification course on
Cloud Computing from August-October 2021 and earned
an Elite Certificate.

Malempati Varun
III Year
B.Tech NWC- Cloud Computing
He has been recognized as Oracle Cloud Infrastructure
Foundations 2021 Certified Associate by Oracle Corporation.

Shyam Babu P
III Year
B.Tech NWC- Cyber Security
He has been accredited ISO 9001 Quality Management
Systems Associate by SkillFront

Ishi Saxena
III Year
B.Tech NWC- Information Technology
From the team,Hack Runners has created Bowie and
ranked 1st in the CC-Hacks 2021 Event

Soumiya Chadha
III Year
B.Tech NWC-   Information Technology
From the team,Hack Runners has created
Bowie and ranked 1st in the CC-Hacks 2021 Event

STUDENT ACHIEVEMENTS

Bhurva Rajiv Sharma
II Year
B.Tech NWC-   IOT
Has been selected for the 2022 HPAIR Harvard
Conference organized by the Harvard College Project
for Asian and International Relations, Cambridge, USA.

Aishani Ghosh
III Year
B.Tech NWC-   Information Technology
From the team,Hack Runners has created Bowie and
ranked 1st in the CC-Hacks 2021 Event.

Gayatri Ramakrishnan
III Year
B.Tech NWC- Cyber Security
She has completed the room Advent of Cyber 2021
organized by Try Hack Me.

Nair VyshakhGopakumar
III Year
B.Tech NWC- Cyber Security
He has completed the room Advent of Cyber 2021
organized by Try Hack Me.

Sneha Sunil
III Year
B.Tech NWC-   Cyber Security
She has completed the room Advent of Cyber 2021
organized by Try Hack Me.

STUDENT ARTICLES

The "unrealistic" future

Bhurva Rajiv Sharma

II, B.Tech NWC- IOT

The advent of Web3 is the most awaited technology of the year 2022. As we are stepping into the future, significantly, more and more of it is becoming virtual. The first version of the internet was called web1, mainly static websites hyperlinked to one another, and the one we used until   now was web2, dynamic websites with e-commerce and social networking boom. Web3 is game-changing, it is aimed to be fully built on blockchain and has enhanced privacy measures enhancing everything from banks to agriculture to every aspect of the world economy and our lives. Big corporations have so much of our data now that privacy is next to null on the internet today. Web3 will help decentralize the internet from these tech giants and give us the users more control and freedom concerning our data, but the tricky part is that these big corporations are now going virtual, thebest example- Meta. By building a Metaverse, Meta aims to take cryptocurrency in an already booming crypto environment completely virtual. With no proper regulation, these things are on the fine line of being too good to be true and revolutionary. While the future is moving headfirst into the Metaverse and AR/VR it might just be carrying unrealistic expectations along with the technology too.

Ubuntu v/s Windows: A Quick Comparison

Rushaan Gandhi

II, B.Tech- Cloud Computing

Windows is a paid software, whereas, on the other hand, Ubuntu is completely free to use software. Like most Linux-basedsoftware, Ubuntu is safer as compared to Windows. Sensitive data of users is not collected by software belonging to the Linux family. On the other hand, Windows is not as much privacy-centered as compared to Ubuntu. On one hand personalization options available at Windows are mainly focused on wallpapers, themes, and icons. On the other hand, Ubuntu provides comparatively a larger option for personalization to its users. Windows also has a higher consumption of resources as compared to Ubuntu. Windows users depend a lot on hardware like keyboard and mouse for various operations and they can operate in a graphical interface. Ubuntu has both a graphical interface as well as a command-line operation interface. Users may need some assistance to start operations, hence Ubuntu requires users to be Technically sound.

IOT USING AI ALGORITHMS
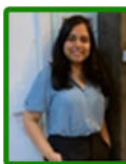
Aayushi Goenka

III, B.Tech- IT

Artificial intelligence is a simulation of human intelligence, machines programmed by humans to mimic the way the human brain thinks, and derive conclusions on its own given a set of input. In general, AI systems work by taking in large amounts of labelled training data, analyzing the data for correlations and patterns, and using these patterns to make decisions.

At its core, IoT is about sensors implanted into machines. IoT helps in capturing a tremendous amount of data from multiple sources. So, whilst sensors from devices deliver data, it is rendered useless if it has no form or structure. IoT deals with devices interacting using the internet and collecting data from multiple sources and AI makes the devices learn from their data analysis.AI can utilize the data optimally, providing both context and creativity to drive smart actions. Furthermore, AI with IoT can deliver an adaptive or autonomous response. This means solutions can incorporate continuous data streams where the system learns to devices perform definitive actions without being explicitly programmed for it i.e., without human intervention.

For example, robot manufacturers are provisioning robots with sensors that enable them to read their environment which is supporting them to take the optimal action with the support of implanted sensors. These tools pick up on external information such as visual and sensory input. Moreover, as the robots are equipped with artificial intelligence algorithms, they can learn from newer data. This approach not only saves time and cost but also makes the manufacturing process better over time. IoT applications can predict machine failure before it happens, reducing production downtime.Thus, the convergence of AI and IoT can accelerate the way industries and businesses can flourish

ALUMNI MESSAGE

The Lone Wolf

ALKAFF

B. TECH IT (2015- 2019)

After deciding that I want to pursue Bioinformatics for my career, I did a bit of research and understood that it would be better to take an undergraduate from a Computing track than Biology or Life Sciences track. So I joined SRM's B.Tech (IT).

During the 4 years, I was fully focused on my goals and I have to thank all the staff and teachers here. All of them had helped shape me towards my dreams of becoming a Bioinformatician even though my goals were very different from most of my batch mates. I had the strong determination and perseverance to achieve my goals, so I fight my way through from getting biology open electives to doing my final project in Bioinformatics with collaboration from Genetic Engineering Department. I was nominated as the best project in the department by SRM IEEE Association and after graduation, I also got my dream job as a Bioinformatician in A*STAR (Genome Institute of Singapore).

My advice for my juniors, the first thing is to set their goals. Then work hard and persevere, fight for what you want. There will be so many challenges and obstacles, still don't give up. Eventually, you will succeed in your goals. You are lucky to be in SRM because be it any department, you are bombarded with tons of opportunities. Go for those you find interesting. It may be difficult to be away from home at the starting but keep those aside and focus on why you came here.

NWC CLUBS

Networking and Communications Association

NWC is a student association formed exclusively for the Specializations in Information Technology, Internet of Things, Computer Networking, Cybersecurity, and Cloud Computing of the Computer Science Engineering branch under the umbrella of 'School of Computing'.

Events organized

- Green Space (Plantation Drive)
- BlockChain Technology and its application
- 5V5 Valorant Event

Clubs

SRM HACKATHON

The hackathons provide a great opportunity for the participants with the wide-spread themes such as sports, agriculture industry, education, e-commerce, finances, and betterment of underprivileged.

SRM IDEATHON and SEMICOLON

SRM Ideathon is a national level online event where the participants are given an opportunity for participants to put forth their innovative ideas. On the other hand Semicolon is a technical online event for the students of campus to take a test of their technical skills.

GEN-Y

Emphasizes on the importance of Building and promoting collaborative learning. Being a team with the notion, 'Together Ordinary People can Do Extraordinary Things', we aim to uplift the skills of each and every individual in our community.

OWASP: STUDENT CHAPTER FOR CYBER SECURITY AND CYBER AWARENESS

OWASP is a non-profit foundation dedicated to improve the security of software, the goal of helping website owner and security expert's project web application from cyber security.

SALESFORCE STUDENT GROUP (SRM)

Salesforce is an American cloud-based software company working on bringing Artificial Intelligence to everyone using the world's #1 CRM platform. TrailHead is a platform introduced by Salesforce to enable people to learn In-Demand Skills and earn resume-worthy credentials to help showcase their skills and to stand out on the global stage.

Rotaract club of SRM Kattankulathur

Sponsored by Rotary Club of Meenambakkam Rotary International District 3232

IoT ALLIANCE-AN IoT BASED TECH CLUB

This club is supported under AICTE SPICES Scheme- Received Grant-in-Aid- Role Model Club. The club specializes in creating projects, publishing research papers, conducting workshops and internships with the soul motive of sharing knowledge and making technology available to everyone.

DEPICC: DIRECTIONS VIRTUAL TO VISUAL

Solely digital design dedicated club at srm, and give extensive platform to learn, explore tour creative mind and escalate to professional standards by getting connected with industries experts.

GITHUB COMMUNITY SRM

The foremost student-led community spearheading the Open Source Revolution at SRMIST, Chennai, India. We aim to unify all SRMIST KTR projects under a single banner, the official GitHub organization of SRMIST KTR.

SRMAUV 2019-20 ZARNA - AUTONOMOUS UNDERWATER VEHICLE

The aim is to prototype an Autonomous Underwater Vehicle with advanced underwater technology which can be used for various surveillance and marine applications.

GEEKS FOR SEEKS

Is one of the oldest club in SRM campus, backed by the organization geeks for seeks, also dabbled with numerous non-technical events

Training activities

- Bootcamp on "Build Your Own Virtual Assistant
- Workshop on "Cracking Product Companies with 30+ Lakh package - A Demo
- Hackerrank CODING TEST
- Tryhackme
- Skillrack
- HackTheBox
- RedHat Linux certification training
- Academic Alliance with Palo Alto Networks
- Academic Alliance with UiPath for Robotic Process Automation.
- BYJUS

Professional Associations

- Computer Society of India(CSI)

Student Chapters

- CSI(Computer Society of India) STUDENT Chapter
- ISACA –Student Chapter
- SRM-ACM Student Chapter

Associations with International Collaborations

- SRM-ACM (Women) Chapter

PUZZLE

What common word has 4 vowels, one after the other?

Forward I am heavy, backwards I am not. What am I?

Sudoku

	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	
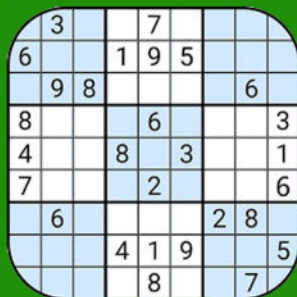
There are five houses of different colors next to each other. In each house lives a man. Each man has a unique nationality, an exclusive favorite drink, a distinct favorite brand of cigarettes and keeps specific pets. Use all the clues below to fill the grid and answer the question: **"Who owns the fish?"**

	House #1	House #2	House #3	House #4	House #5
Color					
Nationality					
Drink					
Cigarette					
Pet					

The Brit lives in the Red house.
The Swede keeps Dogs as pets.
The Dane drinks Tea.
The Green house is exactly to the left of the White house.
The owner of the Green house drinks Coffee.
The person who smokes Pall Mall rears Birds.
The owner of the Yellow house smokes Dunhill.
The man living in the centre house drinks Milk.

The Norwegian lives in the first house.
The man who smokes Blends lives next to the one who keeps Cats.
The man who keeps Horses lives next to the man who smokes Dunhill.
The man who smokes Blue Master drinks Beer.
The German smokes Prince.
The Norwegian lives next to the Blue house.
The man who smokes Blends has a neighbour who drinks Water.

PLACEMENTS

Placement Details
2022 Batch Placements - Marquee Offers

RA1811028010048
M. SRIVATSAN
42.5 Lakhs
Amazon
Marquee

RA1811028010075
DIVIJ GUPTA
30.57 Lakhs
Amazon
Marquee

RA1811028010086
AAYUSH MAHAJAN
42.5 Lakhs
Amazon
Marquee

RA1811028010087
AAYUSHI DAS
20 Lakhs
Amazon
Marquee

RA1811030010056
SUMIT SINGH CHAUHAN
42.5 Lakhs
Amazon
Marquee

RA1811032010022
DEVANSHI KARTHIK
20 Lakhs
VM Ware
Marquee

RA1811032010030
PIYUSH GOEL
42.5 Lacs
Amazon
Marquee

Placement Details
2023 Batch Placements - Super Dream Offers

RA1911028010081
SUBHOJEET BHATTACHARJEE
14 Lakhs
Fidelity Investments

RA1911030010128
ESHAAN BHARDWAJ
14 Lakhs
Fidelity Investments

RA1911030010003
HARSH SRIVASTAVA
14 Lakhs
Fidelity Investments

RA1911028010060
SIDARTH KRISHNA JAITLY
14 Lakhs
Fidelity Investments

RA1911030010023
PARAS RAWAT
10-14 Lakhs
Optimeyes.ai

RA1911029010014
NAVEENKUMAR S
10 -14 Lakhs
Optimeyes.ai

RA1911032010001
AAKASH KAUSHIK
10 -14 Lakhs
Optimeyes.ai

RA1911028010096
ISHITA JOSHI
14 Lakhs
Optum

RA1911028010123
ESHANIKA RAY
14 Lakhs
Optum

RA1911030010038
SNEHA SUNIL
9 Lakhs
Fiserv

RA1911030010063
PRAGYA BHARTI
10 Lakhs
Fiserv

Out of 339 placement enrolled students of 2022 batch 321 are got placed out of which 10 students bagged marquee offers, 94 students got super dream offers, 217 students got dream offers.

EVENTS

Alumni Talks

PrepTalk on CRACKING INTERVIEWS

Join to know from the other side of the interview table conducted on 22.10.2021

Convener and Co-conveners: Dr.A.Rathinam, Director Alumni Affairs & NWC Alumni Team

Speaker: Mr. Sitangshu Sarkar (UG 2015-2019 Batch), Database Configuration Corporation Analyst, Cerner Corporation

The alumnus focused on methods of learning programming skills. There is a very keen need to keep up periodically skilling the programming language that is been worked upon. This would open up more professional opportunities. A decision has to be made on the domain choice in line with the technical interests. Traditional programming skills will not help professionally in the longer run. At the same time, the foundations of programming languages are to be firm for good heights and to avail new promising opportunities.

PrepTalk on CRACKING INTERVIEWS

Join to know from the other side of the interview table conducted on 08.10.2021

Convener and Co-conveners: Dr.A.Rathinam, Director Alumni Affairs & NWC Alumni Team

Speaker: Mr.Vamshi Kasula (UG 2011-2015 Batch), Software Development Engineer, AWS DynamoDB, Amazon Development Center, Bengaluru.
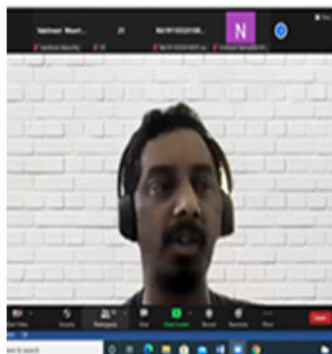
Various career choices for students post Bachelor's in computing (In and outside of computing) was discussed. The Kinds of technology used at AWS or other currentcloud computing companies were highlighted. The alumnus guest also tipped on how does it take to crack interviews at FAANG. Interview prep and how to tackle an interview were discussed. The dos and don'ts discussions were made on how to grow in your career once you are at a tech job.

EVENTS

Alumni Talks

Pathway to Higher Educations-Abroad held on 09.12.2021

Conveners: Dr.Venkatesh,Dr.Nimala,Dr.Godwin, Mr.Joseph Raymond, Mrs.D.Saveetha

Speaker: Mr.Avinash R Maharaj, Software Engineer, Arista Networks-USA

Speaker elaborated on Higher Education and Opportunities, how to apply, the process,whom to approach, etc.
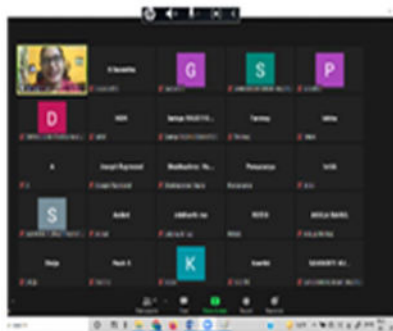

Cracking the First Interview held on 17.12.2021

Conveners: Dr.Venkatesh, Dr.Nimala, Dr.Godwin, Mr.Joseph Raymond, Mrs.D.Saveetha

Speaker: Ms.Sriranjini A R, Support Engineer, Amazon

She elaborated on the ways to prepare for the interviews, how to clear the interviews and how to land on the dream job

Journey from SRM to Dalhousie University, Canada:

Higher Education and Opportunities held on 22.12.2021

Conveners: Dr.Venkatesh, Dr.Nimala, Dr.Godwin, Mr.Joseph Raymond, Mrs.D.Saveetha

Speaker: Ms.Prerna Jain, IT Developer, Canada Revenue Agency

She elaborated on the Higher Education Opportunities, the job opportunitiesin Canada, how to apply and the process was elaborated.

EVENTS

Alumni Talks

Sketch Your Ideas-Mind Map held on 23.12.2021

Conveners: Dr.Venkatesh, Dr.Nimala, Dr.Godwin, Mr.Joseph Raymond, Mrs.D.Saveetha

Speaker: Dr. P. Supraja, Associate Professor, Department of Networking and Communications, SRMIST, Kattankulathur
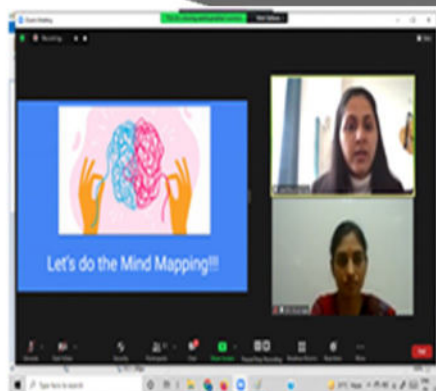
Sketch Your Ideas is a mind mapping technique. It is an effective means to take notes and brainstorm essay topics. A mind map involves writing down a central theme and thinking of new and related ideas which radiate out from the center. Essentially, a mind map is used to 'brainstorm' a topic and is a great strategy for students.
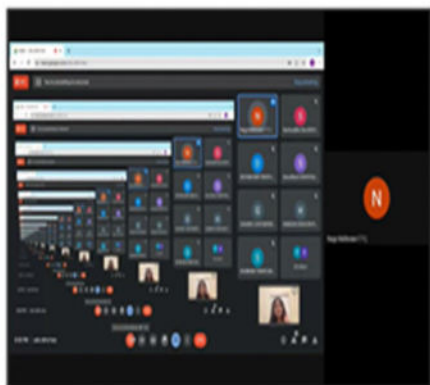
STUDYING AT IVY conducted on 10/01/2022

Convener: Dr. TYJ Nagamalleshwari
Co-convener: Ms. S Ushasukhanya
Speaker: Ms. Shreya Mittal, Specialist Product Management, Cornell University, US

Shreya started her talk with the preparation, tips, tricks, visa process for studying at Ivy. She continued to discuss the study and work at the university. She answered the queries asked by the attendees. It was a very informative session for the junior students.

ASSOCIATION EVENTS
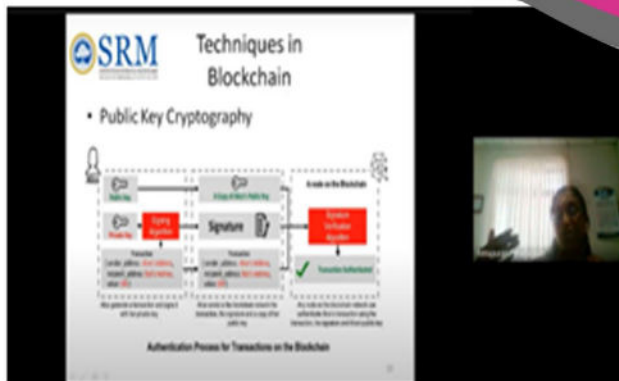
Blockchain Technology and its Applications

Convener: Mrs. M.Safa, President

Co-Conveners: Dr. P.Supraja, Event and Logistics head, Dr. T.Sam Pradeep

This webinar is to give an overview of blockchain technology and a brief discussion on the potential applications. To highlight the current problems faced during money transactions and the possible solution for this.

Valorant Gaming Tournament conducted on 21.11.2021

Convener: Mrs. M.Safa, President

Co-Conveners: Dr. P.Supraja, Event and Logistics head, Dr. T.Sam Pradeep

Team Alpha emerged as the winners of the tournament with a score of 13:7. The winners were awarded Rs. 1000 and with that the event came to an end at around 11:30 pm.

ASSOCIATION EVENTS

UBA -Cycle Rally Awareness for Single Use Plastic

Convener: Dr.V.Thirumurugan, Associate director, Campus life

Co-convener: Dr. P. Supraja Associate Professor/NWC, Dr.R.Rajkumar, Assistant Professor/DSBS

Awareness about the dangers of using plastic

The rally was flagged off by Mrs. Lakshmi, Municipal Commissioner, Maraimalai Nagar and gave a special address to the participants.

The bicycle rally started from the SRM college campus and proceeded to the adopted village of Kalivandapattu (about 35 km) and returned to the university campus to raise awareness about the dangers of using plastic (one time use plastic carry bags) . A pledge was taken not to use plastics.

EVENTS

Placement Talks

Hands-on Bootcamp on Build Your Own Virtual Assistance was conducted on 01.10.2021.

Convener: Dr.K.Annapurani

Co-Conveners: Dr.Vigneshwaran P,

Dr. CNS Vinoth Kumar

Speaker: MR. Balaji Munusamy, Senior AI Engineer, Open Weaver, Chennai
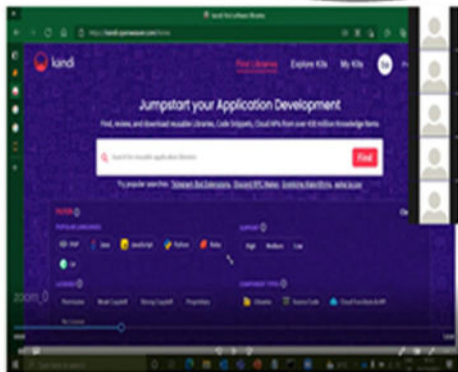
This talk is to learn about Kandi and how to use it, building a basic virtual agent, using different libraries and data set for implementing in Virtual Agent, usage of multiple python libraries, and a great way to get lots of help and documentation on Kandi, about NLP and got an approach to create a virtual assistant.

Orientation on Cracking Product Companies with Package 30+ Lakhs – Demo Session conducted on 04.10.2021

Convener: Dr.K.Annapurani

Co-Conveners: Dr.Vigneshwaran P, Dr. CNS Vinoth Kumar

Speaker: MR. GururajanNarasiman, Senior Architect, Wipro Technologies, Chennai

Interview tips have been given by the speaker to all the attendees.Speaker gave the idea to the students to approach the problem while solving it. Some shortcut methods are also taught to all the attendees.
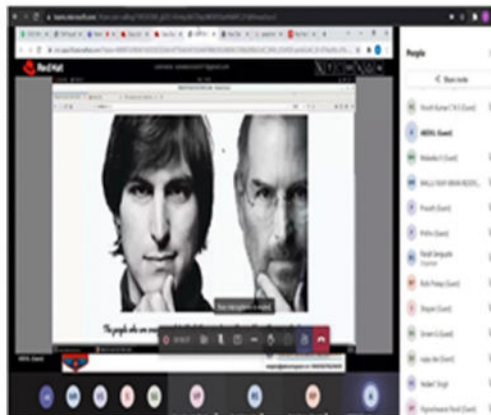
EVENTS

Placement Talks

Open Source and Skill Development Opportunities through RedHat Academy conducted on 01.11.2021 & 02.11.2021.

Convener: Dr.K. Annapurani

Co-convener: Dr. CNS Vinoth Kumar,

Dr. P Vigneshwaran

Speaker: Mr.Abdulmajeed khan Y, RHCA,

RedHat Certified Architect,

Vectra TechnosoftPvt.Ltd

To create opportunities for the development of talent within the country and improve the overall scope and space for underdeveloped sectors.

Experiencing their Experience conducted on 16.12.2021

Convener: Dr. V. Anbarasu

Speaker: Mr Nikil Sivaraman, Shrey Sachdeva

The talk content was presented based on the speaker's experience and their strategies towards the placement. Steps in attaining the milestone of getting a better placement opportunity were discussed at length. Participants' queries are answered to the best of their knowledge.
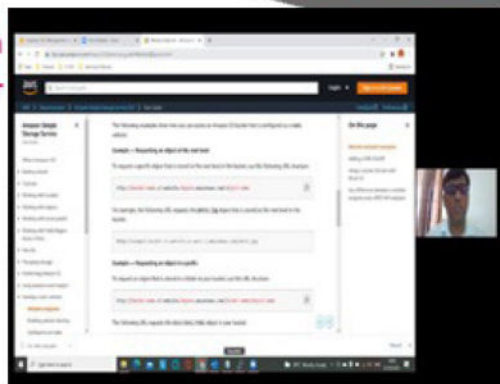
EVENTS

Other Technical Events

Interdepartmental collaborative Tech Talk on Cloud Computing: A Career Perspective conducted on 13.10.2021

Convener: Dr. P. Balaji Srikaanth, AP/NWC,

Dr. S. Sadagopan, AP/CINTEL

Speaker: Mr. Pradeep Joy,

Associate Director- Infra Services,

DXC Technology,

The session was targeted at the Computer Science and Engineering Students specializing in Cloud Computing especially the second and third-year students. As the title says, the session talked about what are the various opportunities available in the cloud computing environment for an engineering graduate. The various levels of certification in Amazon Web Services and tips on successfully completing the certifications were also given.
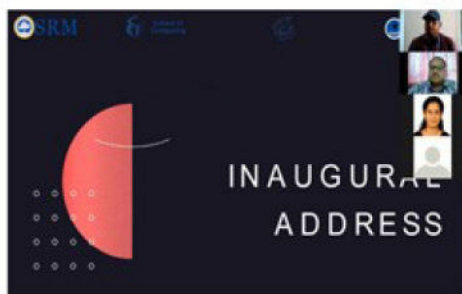
OWASP Student Chapter Inauguration

Convener: Dr.C.N.S Vinoth Kumar

Speaker: Mr. Sriram Kesavan,

Founder and CEO of Cyberlabs,

Google VRP Security Researcher and Bug hunter

OWASP is an extremely student skills improvising organization that helps in contributing to build a safe and secure network and open-source enhancement. OWASP Chapters exist to raise awareness of the OWASP mission, making application security visible, at the local level. The main purpose also involves students in SRM-KTR contribute to projects, organize training and events, and find new ways to evangelize about application security in our college becomes a key to the success and growth of the much larger global organization.
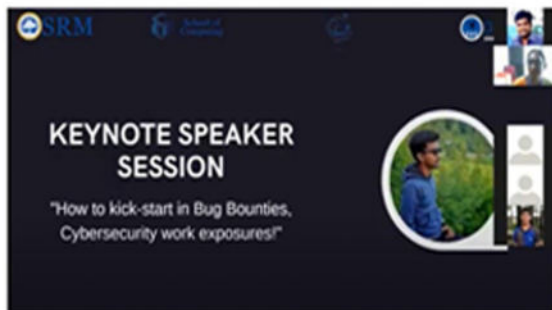
EVENTS

Other Technical Events

How to Kick-start in Bug Bounties, Cybersecurity Work Exposures! conducted on 24.11.2021

**Convener:** Prof.Revathi Venkataraman

Co-convener: Dr.K.Annapurani

Faculty Lead: Dr.C.N.S Vinoth Kumar

Speaker: Mr. Sam Joy Herald Immanuel, Security Researcher, and Bug hunter

To enrich the students about the cyber security industry and provide tips and tricks, motivation needed to get started in bug bounty programs. The importance and relevance of cyber security and bug bounty programs were explained which sows the seeds to bring up the industry-standard cyber security professionals.
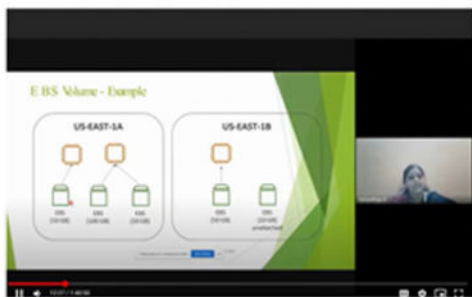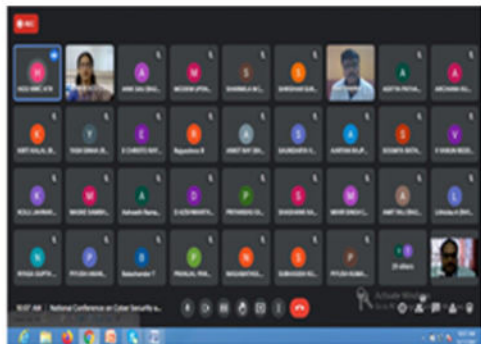

One Week Workshop on AWS Cloud Practitioner Certificate Training conducted from 15.11.2021 to 20.11.2021

Convener: Dr. M. Saravanan

National Conference on Cyber Security and Digital Forensics conducted on 17th and 18th December 2021

Convener: Dr.M.B Mukesh Krishnan,
              Associate Professor

Co-Convener: Mr. T.Balachander,
              Mr. V Joseph Raymond

EVENTS

Research Talks

Date	Speaker	Topic	Outcome
23.10.2021	Mr. M.Prabhakaran	Doctoral Research Strategies	An overview of research programme and various strategies like paper publications, patents, problem formulation, etc., are discussed.
23.10.2021	Ms.M. Mageshwari	Attacks in the cloud	This talk is about different types of attacks that exist in the cloud domain across various services and how to mitigate them.
27.11.2021	Mr. Deepan S	Interesting Facts about copyright vs Trademark vs Patent	Facts about copyright, trademark, and patents were explained. The difference in understanding the terms was discussed.
04.12.2021	Ms. M. Madhavi	How to write a Research paper	This talk is about to give a glimpse of how to properly structure the content in writing a research paper.
11.12.2021	Ms. M. Meenakshi	R programming in Machine learning	Overview of Machine Learning, Supervised and Unsupervised learning and Learning Algorithms
08.01.2022	Mr. Arun Prasath G	Bluetooth Low Energy	Overview of Bluetooth energy optimization

"தொட்டனைத் தூறும் மணற்கேணி மாந்தர்க்குக்
கற்றனைத் தூறும் அறிவு."

"In sandy soil, when deep you delve, you reach the springs below;
The more you learn, the freer streams of wisdom flow."

பொருள்:

தோண்டத் தோண்ட ஊற்றுநீர் கிடைப்பது போலத் தொடர்ந்து படிக்கப்
படிக்க அறிவு பெருகிக் கொண்டே இருக்கும்.

Explanation :

Water will flow from a well in the sand in proportion to the depth to which it is
dug, and knowledge will flow from a man in proportion to his learning.