

NEWSLETTER

ISSUE 10 | OCTOBER TO DECEMBER 2023

NETCOMM BULLETIN

NETCOMM BULLETIN | QUARTERLY EDITION | ISSUE 10 | NWC | SCO



Department of Networking and Communications

School of Computing

SRM Institute of Science and Technology

Kattankulathur, Chengalpattu District - 603203.



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



NWC
Department of Networking and Communications



School of
Computing



NAAC

A++



Category I
with 12B Status



nirf
NATIONAL INSTITUTE
RANKING FRAMEWORK

(2023)
Ranked 18th University



(2024) World Ranking
one among 45 Indian Universities



(2023) World Ranking
one among 75 Indian Universities



VERY GOOD
QS 4 Star Rated Globally



(2022) World Ranking
one among 14 Indian Universities

Happy New Year

2024



HAPPY
NEW YEAR

As we embark on this new journey around the sun, let's embrace the opportunity for fresh beginnings, new adventures, and limitless possibilities. May this year bring you joy, success, and fulfillment in all your endeavors.

Let's cherish the lessons of the past, celebrate the present, and eagerly anticipate the future. May the coming months be filled with laughter, love, and moments that take your breath away. May you find the strength to overcome challenges and the resilience to weather any storm.

As we step into 2024, let's foster kindness, understanding, and compassion. Together, let's make this year a canvas of positivity, where each day is a brushstroke of progress and growth.

Wishing you and your loved ones a fantastic New Year filled with prosperity, good health, and the warmth of cherished moments. Here's to new beginnings, exciting opportunities, and a year that exceeds your wildest dreams.

MESSAGE FROM THE EDITOR

"It is hard to fail; It is worse never to have tried to succeed"

- Theodore Roosevelt

Secret Vault- The Hidden Mystery

Dear Cronies!

We just again reborn with this ecstatic new year 2024. Happy new year to All. We know that Lord Padmanabhaswamy Temple is one of the 108 Divya Desa Temples of Sri Vaishnavism and it is considered the richest and the most mysterious temple in the world. The Temple has procured 6-8 vaults of wealth. The Temple management authorities were aware of the existence of at least 6 vaults. They were situated underground, all around, and to the west of the sanctum sanctorum of the Temple. The vaults have been designated as vaults A, B, C, D, E and F. Subsequently, two additional subterranean vaults have been discovered and been designated as G and H.

Vault B has not been opened since at least 1880s. The Supreme court appointed committee members and they opened the metal grille door of Vault B and discovered a sturdy wooden door just behind it. They opened the door as well and encountered a third door made of iron, which was jammed shut. The observers tried to force their way and failed. Due to the supreme court orders, the vault was not open keeping strong religious belief that after opening the vault, wrong deed will occur so that the vault is safeguarded by serpents. The authorities and the robbers, when they tried their level best to open the door of vault B, faced troubles and died immediately is the belief behind the closed door of vault. The myth was overcome by a team of authorities to unveil the door to know the treasure of vault B, which may even close all the debts of our Government. Vaults G and H, long forgotten cellars were found by amicus curie remain closed and have been so for centuries. Four of the vaults, C, D, E, F are in the custody of the Temple Priests and have been opened 8 times in a year during Temple festivals and are deposited back after use.

Likewise, lot of treasuries such as vault A contained 2000 pounds of gold coins along with a pure golden throne adorned with hundreds of diamonds and fully precious stones. Vault B has long been considered by astrologers of India, as highly mysterious, sacred and too dangerous to unveil it. The enormous steel door of vault B has two massive cobras painted on it and has no bolts, nuts, latches or no other means of entry. This is a mystery straight out of an Indiana Jones Movie. A door of such a secret vault is known to be opened only by a high-level sadhu who can chant Garuda Mantra and luckily or unluckily there is no such saint available in the world right now.

Like the secret vault B, our brain also has lot of treasury secrets and to be established after discovery. It is open only through events, achievements, awards, programs, inventions and innovations, which are helpful for the betterment of the society. The Department of Networking and Communication has set up its periodic goals and achieved them through lot of programs. It spawns it's wings in the domain of LIDAR, AI with IoT Convergence, Text to Speech and Speech to Text, Voice Controlled Robots in the field of Smart Agriculture, Smart Transportation, UAVs, UGVs etc., through mind blowing program constructs helpful for students and faculty together.

Now, You can open the vault of NetComm Bulletin and enjoy reading.

Meet you in the next edition. Until then, Stay tuned.

**" If you want to live a happy life,
tie it to a goal, not to people or things"**

- Albert Einstein



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



Mrs.D.Sai Santhiya



Mr.N.Murugan

CONTENTS**PAGE NO**

| | |
|---|-----------|
| About the Department | 01 |
| Publications | 04 |
| Patents | 11 |
| Consultancy and Funded Project | 12 |
| Faculty Achievements | 13 |
| Faculty Article | 16 |
| Events | 19 |
| Research Oration | 24 |
| Placement Activity | 25 |
| Students Achievements | 27 |
| Alumni Message | 33 |
| Student Article | 34 |
| Activity Corner | 36 |
| Puzzle | 37 |
| Thirukkural | 39 |

CONTENTS

ABOUT THE DEPARTMENT

Department of Information Technology, SRM University, Kattankulathur, was started in the year 1998. The primary purpose of the department is to foster the students specializing in various areas of information technology. In 2021, Department of Information Technology re-structured into Department of Networking and Communications under School of Computing intend to meet the expectations of the aspiring students and add more value to the degrees offered. The department inculcates entrepreneurial skills in budding aspirants to pitch their innovative ideas through SRM Innovation and Incubation Center. Our International and Alumni connect helps 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

"I always did something I was a little not ready to do. I think that's how you grow. When there's that moment of 'Wow, I'm not really sure I can do this,' and you push through those moments, that's when you have a breakthrough."

- Marissa Mayer

As we bid farewell to 2023, let's embrace the invaluable lessons bestowed upon us. Each experience, whether joyful or challenging has to be recognized as a stepping stone in our journey of success.

As we welcome 2024, let us carry the wisdom gained from the past year. Let us be open to new opportunities and receptive to learning and growth. Let us strive for positivity and integrity. Always beware that our actions define our character.

I wish everyone a year filled with boundless possibilities, achievements, and joy. Happy New Year!



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.

PUBLICATIONS

| S.NO | YEAR | MONTH | INDEXING | PAPER TITLE | JOURNAL NAME | AUTHORS |
|------|------|-----------|----------|---|--|---|
| 1 | 2023 | September | SCI | Recognition of Tamil handwritten text from a digital writing pad using MWDCNN | Multimedia Tools and Applications | V.Jayanthi, Dr.Thenmalar S. |
| 2 | 2023 | September | SCI | Microgrid based VANET monitoring and energy management in 5G networks by reinforcement deep learning techniques | Computers and Electrical Engineering | A.Selvakumar, Dr.S.Ramesh, T.Manikandan, G.Michael, U.Arul, R.Gnanajeyaraman |
| 3 | 2023 | September | SCI | A novel artificial intelligence approach to detect the breast cancer using KNNet technique with EPM gene profiling | Functional and Integrative Genomics | Shubham Joshi, N.V.S.Natteshan, Ravi Rastogi, A.Sampathkumar, V.Pandimurugan, S.Sountharajan |
| 4 | 2023 | September | SCI | A novel SVM and K-NN classifier based optical ML technique for seizure detection | Optical and Quantum Electronics - Springer | N.Deepa, R.Naresh, S.Anitha, R.Suguna, C.N.S.Vinoth Kumar |
| 5 | 2023 | September | SCI | Intelligent personalised learning system based on emotions in e learning | Personal and Ubiquitous Computing | R.Karthika, Elizabeth Jesi V, Mary Subaja Christo, L.Jegatha Deborah, Audithan Sivaraman, Sanjeev Kumar |
| 6 | 2023 | September | SCI | Reinforcement learning-based multi-objective energy-efficient task scheduling in fog-cloud industrial IoT-based systems | Soft Computing | Vijayalakshmi V, Saravanan M |
| 7 | 2023 | October | SCI | Comparative approach for discovery of cancerous skin using deep structured learning | International Journal of Nanotechnology | K.A.Varun Kumar, Sree T.Sucharitha, R.Priyadarshini, N.Rajendran |
| 8 | 2023 | October | SCI | Reactive handover coordination system with regenerative blockchain principles for swarm unmanned aerial vehicles | peer to peer networking and applications journal -Springer | S.Rajasoundaran, S.V.N.Santhosh Kumar, M.Selvi, Arputharaj Kannan |
| 9 | 2023 | October | SCI | Certain investigation on optimization technique for sensor nodes in the bio medical recording system | Journal of Intelligent & Fuzzy Systems | Godwin Ponsam .J, Nimala K., Mohammad Gousebaig Shitharth, S Radha, Vijaya Kumar Reddy Srinivasa Rao, B.Srihari, K. Chandragandhi, S. |

PUBLICATIONS

| S.NO | YEAR | MONTH | INDEXING | PAPER TITLE | JOURNAL NAME | AUTHORS |
|------|------|-----------|----------|--|--|---|
| 10 | 2023 | October | SCI | Optimization of IoT circuit for flexible optical network system with high speed utilization | Optical and Quantum Electronics - Springer | Saravanan Pandiaraj, R. Krishnamoorthy, Ushasukhanya, Janjhyam Venkata Naga Ramesh, Rakan A. Alsowail, Shitharth Selvarajan |
| 11 | 2023 | October | SCI | Cardiac arrhythmia detection from ECG signal using Siamese adversarial neural network | Multimedia Tools and Applications | Jyothirmai, Digumarthi, Gayathri V M, R.Pitchai |
| 12 | 2023 | October | SCI | A Novel Approach for Improving the Security of IoT - Medical Data Systems Using an Enhanced Dynamic Bayesian Network | Electronics (Switzerland) | Mohammed Amin Almaiah, Sandeep Yelisetti, Leena Arya, Nelson Kennedy, Babu Christopher, Kumaresan Kaliappan, Dr.V.Pandimurugan, Fahima Hajje, Tayseer Alkdour |
| 13 | 2023 | November | SCI | An intelligent recommendation system in e-commerce using ensemble learning | Multimedia Tools and Applications - Springer | Achyut Shankar, Pandiaraja Perumal, Murali Subramanian, Dr.R.Naresh, Deepa Natesan, Vaishali R. Kulkarni Thompson Stephan |
| 14 | 2023 | November | SCI | A Tabular Variational Auto Encoder-Based Hybrid Model for Imbalanced Data Classification With Feature Selection | IEEE Access | Asha Abraham, Habeeb Shaik Mohideen, Dr. Kayalvizhi R. |
| 15 | 2023 | September | Scopus | Sustainable smart energy systems and energy preservation strategies in intelligent transportation sectors | IEEE digital Explorer (Book Chapter) | Chakrapani Bharathi, Chakrapani Kannan, Kavitha Thiyagarajan, Safa.M, Kempanna Muniyegowda |
| 16 | 2023 | September | Scopus | Applications of artificial intelligence in intelligent combustion and energy storage technologies | IEEE digital Explorer (Book Chapter) | Chakrapani Kannan, Kavitha Thiyagarajan, Safa.M, Kempanna Muniyegowda, Chakrapani Bharathi |

PUBLICATIONS

| S.NO | YEAR | MONTH | INDEXING | PAPER TITLE | JOURNAL NAME | AUTHORS |
|------|------|-----------|----------|---|--|---|
| 17 | 2023 | September | Scopus | WEARS: Wearable Emotion AI with Real-time Sensor data | IEEE CONECCT | Dhuruv Limbani, Daketi Yatin, Nitish Chaturvedi, Dr.Vaishnavi Moorthy, M.Pushpalatha, Harichandana, BSS Sumit Kumar |
| 18 | 2023 | September | Scopus | ALATS Analysis of localization algorithms in terrestrial surveillance bots | IEEE CONECCT | Dr.Vaishnavi Moorthy, Dharshil Shah, Sheresth Kapoor, Srinivas TB, Abhay Lal |
| 19 | 2023 | September | Scopus | Deep Learning Method of Predicting MANET Lifetime Using Graph Adversarial Network Routing | International Journal of Electrical and Electronics Research (IJEER) | Mohanaprakash T A, Dr.Mary Subaja Christo, M.Vivekanandan, M.Madhu Rani, Therasa M |
| 20 | 2023 | September | Scopus | Effective anomaly detection in hybrid wireless IoT environment through machine learning model: a survey | International Journal of Mobile Network Design and Innovation | V.Shanmuganathan, Dr.Suresh. A |
| 21 | 2023 | September | Scopus | An optimal solid waste management using red fox optimization and hybrid DenseNet-BiLSTM model | Environmental Monitoring and Assessment | P.M.Beulah Devamalar, Dr.Kalaiselvi K, M.Jenath Sathikbasha, Adapa Gopi |
| 22 | 2023 | September | Scopus | Classification of Arrhythmia using Transfer Learning and its Applications in Smart Wearables | World Conference on Communication & Computing (WCONF) 2023 | Himanshu Singh, Utkarsh Tewari, Saisanthiya D |
| 23 | 2023 | September | Scopus | Indian Sign Language (ISL) Recognition using mediapipe and LSTM | World Conference on Communication & Computing (WCONF) 2023 | Tanmay Nehra, Saisanthiya D, Anshu Modi |
| 24 | 2023 | September | Scopus | Revolutionizing Healthcare with Blockchain based Record Keeping | World Conference on Communication & Computing (WCONF) 2023 | Parth Dhawan, Arjav Rastogi, Saisanthiya D |
| 25 | 2023 | September | Scopus | A Deep Learning Techniques for Brain Tumor Severity Level (K-CNN-BTSL) Using MRI Images | Intelligent Systems Reference Library | Saravanan M, Suseela Sellamuthu, Saksham Bhardwaj, Chakshusman Mishr, Rohit Parthasarathy |

PUBLICATIONS

| S.NO | YEAR | MONTH | INDEXING | PAPER TITLE | JOURNAL NAME | AUTHORS |
|------|------|-----------|----------|--|---|--|
| 26 | 2023 | September | Scopus | Web3 Based Funding Platform | IEEE Xplore | Godwin Ponsam .J, Harsh Shaw, Shubham Patil |
| 27 | 2023 | September | Scopus | Electronic Healthcare Management System Using Blockchain Technology | IEEE Xplore | Godwin Ponsam .J, Sruthisagar Duvvur, Subhrojyoti Roy |
| 28 | 2023 | September | Scopus | Garbage Classification using Deep Learning | IEEE Xplore | Ms.Ishita Joshi, Mr.Priyanshu Dev, Geetha G |
| 29 | 2023 | September | Scopus | Investigation of Environmental Monitoring Based on Three IoT Wireless Sensors | 2023 Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS) | Dr.B.Yamini, Arthy M, S.Geetha Priya, S.Kathiresan, Jeneetha Jebanazer J, G.S.Uthayakumar |
| 30 | 2023 | September | Scopus | Secured Voting System based on Blockchain | 2023 Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS) | B.Yamini, K.Renuka, M.Anuradha, J.Jean Justus, M.Nalini, Chitra Devi D, |
| 31 | 2023 | September | Scopus | Machine Learning-Driven PCOS Prediction for Early Detection and Tailored Interventions | SSRG International Journal of Electrical and Electronics Engineering | Dr.B.Yamini, Venkata Ramana Kaneti, Prema.P, Ambhika C, M.Nalini, Siva Subramanian R |
| 32 | 2023 | September | Scopus | Digital Health Data Supervision using Blockchain in Ethereum Testnet | Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS), Trichy, India | Harshit Agrawal, Fancy C, Lukesh |
| 33 | 2023 | September | Scopus | Employee Turnover Prediction by Machine Learning Techniques | International Conference on Circuit, Power and Computing Technologies (ICCPCT) | Devadarshan K Sardar , Sidhant Chourasiya, Vijayalakshmi V |

PUBLICATIONS

| S.NO | YEAR | MONTH | INDEXING | PAPER TITLE | JOURNAL NAME | AUTHORS |
|------|------|-----------|----------|--|--|--|
| 34 | 2023 | September | Scopus | A Proposed High Efficient Current Control Technique for Home Based Upper Limb Rehabilitation and Health Monitoring System during Post Covid-19 | International Journal of Intelligent Systems and Applications in Engineering | M.Veeresh Babu, V.Ramya, Dr.Senthil Murugan.V |
| 35 | 2023 | September | Scopus | Route Optimization to Manage the Medical Waste in Real-Time | International Journal of Intelligent Systems and Applications in Engineering | Rakesh U, V.Ramya, Dr.Senthil Murugan.V |
| 36 | 2023 | September | Scopus | Identification of Autism Spectrum Disorder Using Modified Convolutional Neural Network (MCNN) and Feature Selection Techniques | International Journal of Intelligent Systems and Applications in Engineering | S.Saravanakumar, K.Selvakumar, V.SenthilMurugan |
| 37 | 2023 | September | Scopus | UAV Smart Navigation: Combining Delaunay Triangulation and the BatAlgorithm for Enhanced Efficiency | Lecture Notes in Computer Science | Akshya Jothi, Dr.Sundarrajan. M, R.Gayana Seifedine Kadry |
| 38 | 2023 | September | Scopus | The Smart Coverage Path Planner for Autonomous Drones Using TSP and Tree Selection | Lecture Notes in Computer Science | Dr.Sundarrajan. M, Akshya Jothi, D.Prabakar, Seifedine Kadry |
| 39 | 2023 | October | Scopus | A Comprehensive Study on the Application of Machine Learning Algorithms in the Prognosis of Ovarian Cancer | The Open Biomedical Engineering Journal | S.Sindhu, D.Hemavathi, K.Somalakshmi, Sujatha G, S.Srividhya |
| 40 | 2023 | October | Scopus | Comparative Evaluation on Various Machine Learning Strategies Based on Identification of DDoS Attacks in IoT Environment | IEEE Xplore | M.Abinaya, Dr.S.Prabakeran, M.Kalpana |
| 41 | 2023 | October | Scopus | Prediction of Toxic Gases Tolerance Level and Analysis of Impact on Human Respiratory System Using Machine Learning | Cognitive Science and Technology | Deepan S, Saravanan M |
| 42 | 2023 | October | Scopus | Implementation of ResNet-50 with the skip connection principle in transfer learning models for lung disease prediction | Smart Innovation, Systems and Technologies | Prabakaran J, P.Selvaraj |

PUBLICATIONS

| S.NO | YEAR | MONTH | INDEXING | PAPER TITLE | JOURNAL NAME | AUTHORS |
|------|------|---------|----------|--|--|--|
| 43 | 2023 | October | Scopus | Effective Path Planning of Cyber-Physical Systems for Precision Agriculture | IGI Global - Contemporary Developments in Agricultural Cyber-Physical Systems | M.Sundarrajan , Akshya Jothi, Mani Deepak Choudhry, Biji Rose, T.Jayapratha, V.Nithya |
| 44 | 2023 | October | Scopus | Advanced 5G Technology in Healthcare Field | Resource Management in Advanced Wireless Networks - Wiley | Devi, R. Delshi Howsalya, Dr.R.Naresh, Vinoth Kumar C.N.S. |
| 45 | 2023 | October | Scopus | Depression and Mood Monitoring for Pregnant Women Using IoT-Based Wearables | Technological Tools for Predicting Pregnancy Complications - IGI Global | Devi, R. Delshi Howsalya, Dr.R.Naresh, Vinoth Kumar C.N.S., S.Senthilkumar, Asis Jovin |
| 46 | 2023 | October | Scopus | Analysis of Fetus Image Using 2D Ultrasound Images | Predicting Pregnancy Complications Through Artificial Intelligence and Machine Learning - IGI Global | R.Naresh, S.Arunthathi, C.N.S. Vinoth Kumar, S.Senthilkumar, N.Deepa |
| 47 | 2023 | October | Scopus | Image Security using Triple DES and DES Algorithm | IEEE Xplore | S.Sakthipriya, Dr.R.Naresh |
| 48 | 2023 | October | Scopus | Interference Techniques Based on Deep Learning in Wireless Networks | Wiley - Scrivener Publishing LLC | Arunprasath S, Dr.Suresh. A, Khakurel Jayden |
| 49 | 2023 | October | Scopus | Routing mechanism in broadband wireless network | Book Chapter - Resource Management in Advanced Wireless Mobile Networks | T.Rajendran, Dr.B.Yamini, K.E.Narayana, K.Pradeep Mohan Kumar |
| 50 | 2023 | October | Scopus | Ethical Considerations for Wearable Sensors and AI Algorithms: Fetal Heart Rate Monitoring | IGI Global | Prasath Nithiyanandam, A.Arun, J.Sreemathy, Lakshminarayanan R |
| 51 | 2023 | October | Scopus | WEBARIO: A Web based Portal with Revolutionary Virtual Classroom and Augmented Reality Integration for Enhanced Learning | IEEE Xplore - Fourth International Conference on Smart Electronics and Communication (ICOSEC-2023) | Nived N Sooraj, Sidharth Manoj, Dr.Mahalakshmi P. |

PUBLICATIONS

| S.NO | YEAR | MONTH | INDEXING | PAPER TITLE | JOURNAL NAME | AUTHORS |
|------|------|----------|----------|---|---|---|
| 52 | 2023 | October | Scopus | An Extraction Aggregation Strategy Using a Hierarchical Representation Model Based on Longformers and Transform | IEEE | Nitish Hans, P.Hirishikesh, Helen Victoria A |
| 53 | 2023 | October | Scopus | Localized Network Model For Image Denoising And Prediction Using Learning Approaches | Journal of Theoretical and Applied Information Technology | Karthikram A, Saravanan M |
| 54 | 2023 | October | Scopus | Digital health communication with artificial intelligence-based cyber security | IGI Global | Amit Kumar Tyagi, Hemamalini Venkatesan, Gulshan Soni |
| 55 | 2023 | October | Scopus | Dingo algorithm-based forwarder selection and huffman coding to improve authentication | Indonesian Journal of Electrical Engineering and Computer Science | Nageswaran Usha Bhanu, Dr.Banu Priya P, Tiruvedhula Sajana , Shanmugasundaram Shanthi Murugan, Mageshbabu, Erram Swarnalatha Kunthyellannagari, Bhagya Laxmi, Kannabiran Saravanan |
| 56 | 2023 | November | Scopus | Statistical Evaluation of Classification Models for Various Data Repositories | Smart Innovation, Systems and Technologies | V.Lokeswara Reddy, Dr.B.Yamini, P.Nagendra Kumar, M.Srinivasa Prasad, Y.Jahnavi |
| 57 | 2023 | November | Scopus | Automatic Electroencephalographic Source Separation Strategies For Seizure Prediction Application | Biomedical Engineering - Applications, Basis and Communications | Banu Priya Prathaban, Subash Rajendran, Ramachandran Balasubramanian |
| 58 | 2023 | November | Scopus | An energy-efficient task and virtual machine placement in virtualised cloud server using FY-SFLA and RMMS-DLV | International Journal of Networking and Virtual Organisations | E.P.Sudhakar, M.Saravanan |

PATENTS

| S.NO | MONTH | TITLE OF THE PATENT | ISSUING AGENCY | CLAIMING AUTHOR | PUBLISHED / GRANTED |
|------|-----------|--|-----------------------------|---|---------------------|
| 1 | September | A Unique User Interface of a Mobile Application | UK Design | Dr.Senthil, Dr.Murugan.V | Grant |
| 2 | October | Motion Sensor | Intellectual Property India | Dr.Vijay Vasanth.A, Dr.Jeyaselvi.M, Dr.Yamini.B, Dr.Prabakeran.S | Design Grant |
| 3 | October | Apparatus For Detecting and Managing Stress | Intellectual Property India | Dr.Meenakshi.K | Grant |
| 4 | October | Pen (With Light Source to Read the Written Text) | Intellectual Property India | Dr.Yamini.B | Grant |
| 5 | October | An Internet of Medical Things (IOMT) | Intellectual Property India | Dr.Banupriya.P | Grant |
| 6 | November | Ferrous And Nonferrous Waste Sorting Machine | Government of UK | Dr. Suresh.A, Dr.Anbarasu | Grant |
| 7 | December | Smart Voice Assisted Learning Device for Visually Impaired Students | Intellectual Property India | Dr.Metilda Florence.S, Dr.Fancy.C | Grant |
| 8 | September | AI Empowered Incubator Fault Localization and Neonatal Health Monitoring System | Intellectual Property India | Dr.Saravanan.M, Dr.Balamurugan.P | Published |
| 9 | September | IoT & ML (Machine Learning) Based Prediction & Treating Cancer in Real Time & A Mobile App Hosted In The Cloud | Intellectual Property India | Dr.N.Deepa | Published |
| 10 | September | Options Attack Detection and Classification in WSN Using BSEM Algorithm | Intellectual Property India | Dr.P.Visalakshi | Published |
| 11 | September | IoT Enabled Energy Efficient Advanced 6G Communication Network | Intellectual Property India | Dr.B.Lakshmi Dhevi | Published |
| 12 | October | Artificial Intelligence Based Autonomous Robot for Harvesting in Hill Region | Intellectual Property India | Dr.Anand.M | Published |
| 13 | October | System And Method for Efficient Data Compression Using Internet of Things | Intellectual Property India | Dr. Nallarasan.V, Mr.Prabakaran.J | Published |
| 14 | October | Methods for Monitoring and Diagnostics of Cybersecurity | Intellectual Property India | Dr.Mahalakshmi.M | Published |
| 15 | November | Remotely Using Machine Learning Features | Intellectual Property India | Dr.Banu Priya.P | Published |
| 16 | November | Evaluation of Packet Traffic Abnormally Beacon Analysis for ICMP Ping Flood Identification of Attacks | Intellectual Property India | Dr.Vijay Vasanth.A, Dr. Jeyaselvi.M, Dr. Suseela.G | Published |
| 17 | November | Smart City Lighting Control Using Wireless Communication and Machine Learning | Intellectual Property India | Dr.Sujatha.G | Published |

CONSULTANCY PROJECT

| S.NO | TITLE OF THE COLLABORATIVE ACTIVITY | NAME OF THE COLLABORATING AGENCY | NAME OF THE PARTICIPANT | AMOUNT |
|------|--|----------------------------------|---|-------------|
| 1 | Web Site Development Crystal Tourism L.L.C | Crystal Tourism L.L.C | Dr.Mary Subaja Christo, Dr.S.Thanga Revathi, Dr.V.Elizabeth Jesi Dr.P.Visalakshi | Rs.1,10,000 |

FUNDED PROJECT

| MONTH | NAME OF THE FUNDING AGENCY | TITLE OF THE PROJECT | NAME OF THE PRINCIPLE INVESTIGATOR | TOTAL AMOUNT (RS./-) | MONTH & YEAR OF APPROVAL / APPLIED | APPROVED / APPLIED | DURATION OF THE PROJECT (YEARS) |
|---------|----------------------------|---|------------------------------------|----------------------|------------------------------------|--------------------|---------------------------------|
| October | SEED | Design of Low Cost AI based automated Wheelchair with physiological parameter monitoring and improving cardiac function through self-training physiotherapy exercises | Dr.R.Kayalvizhi | Rs.1,85,748 | October - 2023 | Approved | 2 Years |

FACULTY ACHIEVEMENTS

**Dr.L.ANAND**

Associate Professor

Department of Networking and Communications

School of Computing

ISRO-IIRS Awardee 2022

Institute Co-ordinator/ AICTE INTERNSHIP

Nodal Officer : ISRO-IIRS

Annual Course Calendar, IIRS Distance Learning Programme - 2023

| S. No. | Programme Name | Tentative Dates & Timings | Duration | Type | Domain | Course Director / Coordinator |
|------------------------|---|---|----------|----------|---------------------------------------|---|
| August, 2023 | | | | | | |
| 1. | Satellite meteorology applications in weather and climate studies | Aug 07-11, 2023 (1100 hrs. to 1200 hrs.) | 1 week | Course | Atmospheric Sciences | Dr. Yogesh Kant Dr. Charu Singh |
| 2. | Advanced Geospatial Techniques for Disaster Management Support | August 14-19, 2023 (1600 hrs. to 1700 hrs.) | 1 week | Course | Disaster Management | Dr. Arijit Roy / Mr. C.M.Bhatt |
| 3. | Monitoring Forest Disturbances using Geo - spatial Technology | August 24, 2023 (1000hrs. to 1600hrs.) | 1 Day | Workshop | Forestry and Ecology | Dr. Hitendra Padalia Dr. Subrata Nandy |
| 4. | Basics of "Remote Sensing, Geographical Information System and Global Navigation Satellite System". | August 28- November 17, 2023 (1600 hrs. to 1700 hrs.) | 13 Weeks | Course | Remote Sensing and GIS | Dr. Poonam S. Tiwari |
| 5. | Remote Sensing and Digital Image Analysis. | August 28- September 22, 2023 (1600 hrs. to 1700 hrs.) | 4 Weeks | Course | Digital Image Analysis | Mrs. Minakshi Kumar |
| September, 2023 | | | | | | |
| 6. | Advances in Remote Sensing and AI/ML Techniques for Hydrological Studies | Sep 04-08, 2023 (1100 hrs. to 1200 hrs.) | 1 week | Course | Water Resources / Hydrology | Dr. Praveen Thakur |
| 7. | Overview of Space Technology | September 14-28, 2023 (1100 hrs. to 1300 hrs.) | 2 weeks | Course | Space Technology | Dr. Harish Chandra Karnatak Dr. Poonam S. Tiwari |
| 8. | Overview of Global Navigation Satellite System. | September 25 - October 06, 2023 (1600 hrs. to 1700 hrs.) | 2 Weeks | Course | Satellite Navigation | Dr. Ashutosh Bhardwaj |
| October, 2023 | | | | | | |
| 9. | Overview of Geographical Information System | October 09-20, 2023 (1600 hrs. to 1700 hrs.) | 4 Weeks | Course | Geographical Information System (GIS) | Mr. Prabhakar Alok Verma |
| 10. | Remote Sensing based data Analytics in Agriculture | October 26, 2023 (1000 hrs. to 1600 hrs.) | 1 Day | Workshop | Agriculture Sciences | Dr. Suresh Kumar |
| 11. | Overview of Geo-computation and Geo-web services | October 30 - November 03, 2023 (1600 hrs. to 1700 hrs.) | 1 Week | Course | Geocomputation / Geoweb Services | Mr. Kamal Pandey |
| November, 2023 | | | | | | |
| 12. | RS & GIS Applications in Natural Resource Management | November 06-17, 2023 (1600 hrs. to 1700 hrs.) | 2 Weeks | Course | Remote Sensing Applications | Mr. C.M. Bhatt |
| 13. | Automated Feature Extraction from High Resolution Images | November 20-24, 2023 (1100 hrs. to 1200hrs) | 1 week | Course | Advances in Remote Sensing | Dr. Harish Karnatak Dr. Poonam S. Tiwari |
| December, 2023 | | | | | | |
| 14. | Geo-data sharing and Cyber Security | November 27- December 08, 2023 (1600 hrs. to 1700 hrs.) | 2 Weeks | Course | Cyber Security | Dr. Harish Karnatak Mr. Dharmendra Kumar |
| 15. | EdiCovariance Techniques for Ecosystem Studies | December 14, 2023 (1000 hrs. to 1600 hrs.) | 1 Day | Workshop | Forestry | Dr. Hitendra Padalia Dr. Taibang |

FACULTY ACHIEVEMENTS

Faculty Name : **Dr.M.SARAVANAN**
Event Name : Young Scientist Fellowship
Awarding Agency : Tamilnadu State Council for Science and Technology.



Faculty Name : **Dr.A.VIJAY VASANTH**
Event Name : Outstanding Young Aspirant
Awarding Agency : I2OR



Faculty Name : **Dr.S.PRABAKERAN**
Event Name : VMware IT Academy Program: SPOC- Admin
Awarding Agency : VMware IT Academy



Faculty Name : **Dr.L.ANAND**
Event Name : Successful Implementation of Naan Mudhalvan
Placements Officer
Awarding Agency : Tamil Nadu Skill Development Corporation

FACULTY ACHIEVEMENTS

FACULTY ABROAD PROGRAMME

Dr.Vaishnavi Moorthy, Assistant Professor, had been invited as a Visiting Researcher to the University of Southern Queensland (UniSQ), Springfield Campus, Brisbane between June-Sept 2023 under SRMIST-Faculty Abroad Programme.

During her visit she had been assigned to work on projects for

- ❖ Mental health analysis in collaboration with Belmont Hospital, Carinda Heights, Brisbane.
- ❖ Protototype development of recommendation system to predict diabetes among indigenous aboriginal people at Australia in collaboration with Goondir Health services, Dalby, Australia.

The projects were supervised by Prof Raj Gururajan and Prof Xhujan Xhuo from Dept of Information Systems under School of Business systems, UniSQ.



MIS710 Machine Learning in Business K Nearest Neighbors



Ms.LEMAI NGUYEN
Associate Professor,
Information Systems and Business Analytics,
Deakin University, Australia.



Dr.VAISHNAVI MOORTHY
Assistant Professor,
SRM Institute of Science and Technology,
Kattankulathur.



Mr.THUC NGUYEN
Faculty of Business and Law
Deakin University, Australia.



The Deakin visit also included,

- ❖ Her presentation at the research seminar: “Emotion AI for Application Development: Current Research and Future Perspectives.” to the School of Business and Information systems.
- ❖ Attending the panel discussion “Driving Business Transformation” organised by Deakin Business School in collaboration with the Association of Change Management Professionals - Australia and New Zealand.

FACULTY ARTICLE

**Dr.M.SARAVANAN**

Associate Professor,
Program Coordinator - Cloud Computing,
Department of Networking and Communications, School of Computing, SRMIST.

“EMOTIONAL INTELLIGENCE IN TODAY'S WORLD”

In an era dominated by technological advancements and rapid change, the significance of emotional intelligence (EI) has become increasingly apparent. Unlike technical skills, emotional intelligence focuses on understanding and managing emotions, both our own and those of others. Let us delve into the concept of emotional intelligence, its components, and understand why it plays a crucial role in achieving success both personally and professionally.

Emotional Intelligence: Emotional intelligence encompasses the capacity to identify, comprehend, regulate, and proficiently utilize our own emotions, coupled with an awareness of the emotions exhibited by others. Psychologists frequently dissect it into four primary elements: self-awareness, self-management, social awareness, and relationship management.

- **Self-Awareness:** Recognizing and understanding one's own emotions is the first step in developing emotional intelligence. It involves being in tune with feelings, strengths, weaknesses, and how emotions influence thoughts and behaviour.
- **Self-Management:** The ability to control and regulate one's emotions is crucial for making sound decisions and maintaining healthy relationships. Self-management involves handling stress, staying calm under pressure, and adapting to changing situations.
- **Social Awareness:** Social awareness involves understanding the emotions, needs, and concerns of others. It includes empathy, the capacity to "read" social cues accurately, and being aware of the dynamics in each social context.
- **Relationship Management:** Building and maintaining positive relationships is a key aspect of emotional intelligence. Effective communication, conflict resolution, and collaboration contribute to successful relationship management.

FACULTY ARTICLE



Source: By Appen. March 23, 2022

The Impact of Emotional Intelligence:

Personal Well-Being: Individuals with high emotional intelligence tend to have better mental and emotional well-being. They can navigate life's challenges more effectively and bounce back from setbacks.

Leadership Effectiveness: Effective leaders often possess strong emotional intelligence. They can inspire and motivate others, communicate with empathy, and navigate the complexities of interpersonal dynamics within teams.

Career Success: Emotional intelligence is an asset in the workplace. It contributes to effective communication, teamwork, and conflict resolution, ultimately enhancing one's career prospects.

Healthy Relationships: In personal and professional settings, individuals with high emotional intelligence can cultivate and sustain healthier relationships. They understand the importance of active listening, empathy, and constructive communication.

Cultivating Emotional Intelligence:

Self-Reflection: Regular self-reflection allows individuals to become more aware of their emotions, triggers, and behavioral patterns.

Empathy Development: Practicing empathy involves actively listening to others, trying to understand their perspectives, and considering their emotions in decision-making.

Stress Management Techniques: Developing effective stress management techniques, such as mindfulness or deep breathing exercises, can enhance self-regulation and resilience.

Continuous Learning: Learning about emotional intelligence and seeking feedback from others can contribute to ongoing personal development in this area.

In a world that values not only technical expertise but also interpersonal skills, emotional intelligence emerges as a crucial factor for success. Whether in the workplace, relationships, or personal development, the ability to navigate and understand the complexities of human emotions is an invaluable asset in achieving a fulfilling and well-rounded life. As we continue to embrace the challenges of the future, the importance of emotional intelligence is likely to grow, influencing how we interact, collaborate, and lead in an ever-evolving society.

FACULTY CERTIFICATIONS

| S.No | NAME | NAME OF THE CERTIFICATION COURSE | CONDUCTED BY |
|----------------------------|-------------------------|---|--------------|
| ISRO | | | |
| 1 | Dr.R.Priyanka | Applications of Machine Learning in Urban Studies | ISRO |
| 2 | Dr.R.Nithya Paranthaman | Applications of Machine Learning in Urban Studies | ISRO |
| 3 | Dr.S.Prabakeran | Satellite Remote Sensing of Atmosphere | ISRO |
| ORACLE | | | |
| 4 | Dr.R.Radhika | Oracle Certified Foundation Associate | ORACLE |
| AMAZON WEB SERVICES | | | |
| 5 | Dr.N.Prasath | Aws Certified Cloud Practitioner | AWS |
| NVIDIA DLI | | | |
| 6 | Dr.G.Saranya | Getting Started with AI on Jetson Nano | NVIDIA DLI |

EVENTS

ALUMNI TALK

“Career opportunities in Airlines” on 16.11.2023**Co-Conveners:****Mr.Prabakaran J**, Assistant Professor, NWC.**Dr.A.Arun**, Assistant Professor, NWC.**Resource Person:****Mr.Mudassir Mohammed,**Mustafa IT Manager, Emirates,
Dubai.Number of Registered Participants: **58**

Event Summary: The session was an eye opener for the various career opportunities in Airlines. The students were clear on how to choose their career opportunities and higher studies at the appropriate time. After the completion of this session, the students were able to understand the various career openings & opportunities in Airlines. The session was conducted online.



EVENTS

PLACEMENT TALKS

“Computer Vision: From Lecture Halls to Leading-Edge Solutions” on 05.10.2023

Co-Conveners:

Dr.G.Saranya, Assistant Professor, NWC.

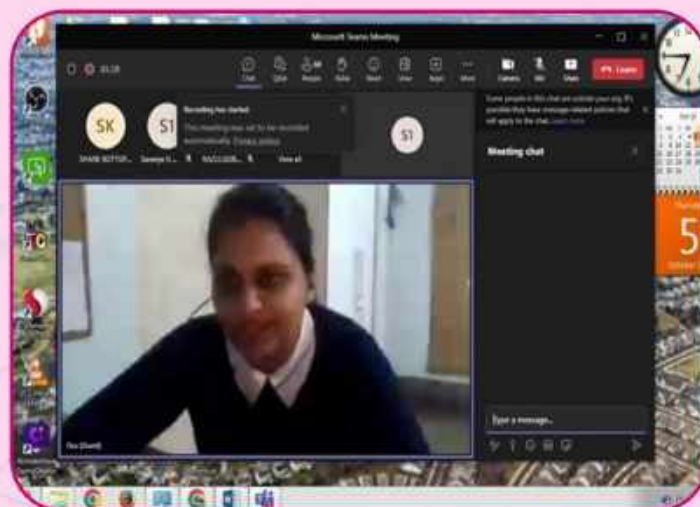
Dr.Savaridassan. P, Assistant Professor, NWC.

Resource Person:

Ms.Osa Mokharji,
Systems Engineer, Tata Consultancy Services,
Kolkata.

Number of Registered Participants: **60**

Event Summary: Showcase Your Qualifications: Use the presentation to highlight your educational background, relevant coursework, certifications, and any other qualifications that make you a suitable candidate for the position. Demonstrate Your Skills: Discuss your key skills, both technical and soft skills, that align with the job requirements. Use specific examples to illustrate how you have applied these skills in previous experiences. Highlight Your Experience: Talk about your relevant work experience, internships, or projects that demonstrate your ability to excel in the role you are applying for. Explain how your past experiences have prepared you for the position. Express Your Interest: Express genuine enthusiasm for the company and the role. Explain why you are interested in the organization, its mission, and how you see yourself contributing to its success. Address the Employer's Needs: Tailor your presentation to align with the employer's needs and expectations for the position. Show how you can fulfill their specific requirements and solve their challenges.



“Placement Activity – Dr. Saveetha” on 12.10.2023

Co-Conveners:

Mrs.D.Saveetha, Assistant Professor, NWC.

Dr.G.Geetha, Assistant Professor, NWC.

Resource Person:

Ms.Abirami Vina,
Senior Computer Vision Engineer, LTI Mindtree.

Number of Registered Participants: **59**

Event Summary: After completion of this talk the students were able to Understand the concept of Computer Vision, how it evolved and how it is emerging as a cutting-edge technology with the AI. Students were also able to understand the applications of Computer vision in real time. Speaker also discussed about the various protocols, tools that can be used. The session was conducted on Aug 12th by Department of Networking and Communications.

EVENTS

PLACEMENT TALKS

“Third Year Students Placement Training” on 13.10.2023 & 20.10.2023

Co-Conveners:

Dr.M.Maranco, Assistant Professor, NWC.

Resource Person:

Dr.K.Venkatraman,
Cyber security analyst, Valeo,
Chennai.

Number of Registered Participants: **77**



Event Summary: Third Year Placement Training program designed to empower students with the skills and confidence needed to excel in the competitive job market. Tailored for third-year students preparing for upcoming placement opportunities, this comprehensive training series encompasses a strategic blend of technical expertise, soft skills development, and real-world insight.



“Java Training Program for Final Year Unplaced Students” on 16.10.2023

Co-Conveners:

Dr.M.Maranco, Assistant Professor, NWC.

Resource Person:

Dr.K.Venkatraman,
Cyber security analyst, Valeo,
Chennai.

Number of Registered Participants: **20**

Event Summary: A "Java Training Program for Final Year Unplaced Students" serves as a valuable opportunity for students to acquire relevant Java programming skills, bolster their employability, and increase their chances of landing a job in the competitive IT industry. It bridges the gap between academic learning and practical application, preparing students for successful careers in Java development.

EVENTS

PLACEMENT TALKS

“Virtual talk on how to build my resume professionally” on 19.10.2023

Co-Conveners:

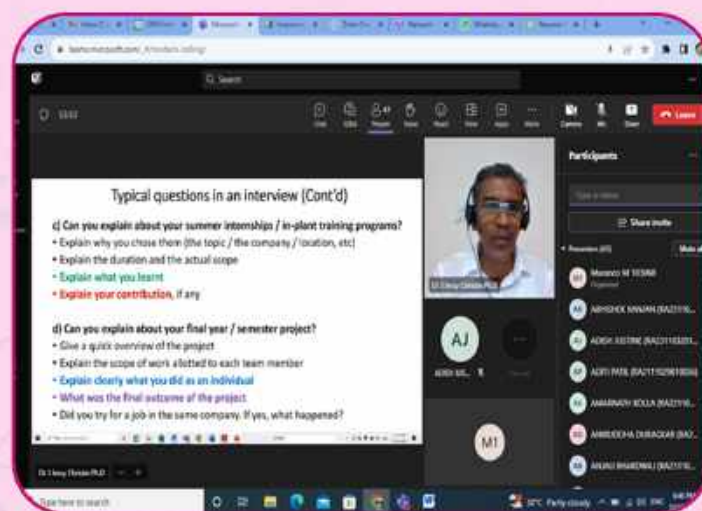
Dr.M.Maranco, Assistant Professor, NWC.

Resource Person:

Dr.J.Jessy Christin Ph. D, DTM (MASADIR HR Services), Chief Delivery Officer, Global Talent Acquisition Operations, MASADIR HR Services, Bangalore.

Number of Registered Participants: **77**

Event Summary: Unlock the secrets to crafting a standout resume with our exclusive session on professional resume building. Led by industry experts and seasoned professionals, this event is designed to empower participants with the skills and knowledge needed to create a compelling and impactful resume.



“Busting DSA myths with Arjun Dev Singla” on 02.11.2023

Co-Conveners:

Dr.R.Radhika, Assistant Professor, NWC.

Resource Person:

Mr.Arjun Dev Singla, IV Year, B.Tech (IT), SRMIST, Kattankulathur.

Number of Registered Participants: **50**

Event Summary: The Placement talk on Busting DSA myths give an insight on how to start DSA and the best programming platforms how to prepare their resume and do and don'ts in the interview. After completion of this session students are able to: Understand, appropriate DSA coding platform and face the technical interview on DSA. The event was conducted in online mode.

EVENTS

OTHER EVENTS

“AWS Mastering the Architecture - From concept to implementation” on**Date: 22nd, 23rd, 29th, 30th Sep & 7th Oct 2023****Co-Conveners:****Dr.S.Prabakeran**, Assistant Professor, NWC, SRMIST.**Resource Person:****Mr.Kalicharan**,
UST Global.**Number of Registered Participants: 140**

Event Summary: The workshop focused on equipping participants with in-depth knowledge and practical skills in AWS infrastructure. Attendees mastered AWS storage services, databases, DNS configuration, integration and messaging tools, cost management, autoscaling, load balancing, backups, VPN gateways, and IAM. By the workshop's end, participants gained expertise in creating, setting up, and maintaining diverse AWS services. They learned to optimize costs, manage databases efficiently, ensure secure connectivity via VPN gateways, implement robust backups, and enforce strict access controls through IAM. Overall, the workshop empowered individuals with a comprehensive skill set to proficiently handle AWS infrastructure and services.

**“Reach Out!! Raising Resilience Among Students” on 10.10.2023****Co-Conveners:****Dr.A.Helen Victoria**, Assistant Professor, NWC, SRMIST.**Dr.P.Supraja**, Assistant Professor, NWC, SRMIST.**Resource Person:****Dr.S.Sri Vidhya**,
Psychologist,
Behaviour therapist, Transformational Coach at Myndwell.**Number of Registered Participants: 46**

Event Summary: Students were given the opportunity to ask questions and share their own experiences. Many students expressed that they found the talk to be informative and helpful. One student shared that she had been struggling with anxiety for some time, but she had been hesitant to seek help due to the stigma associated with mental health. After hearing Dr. Vidhya's talk, the student felt more confident about reaching out for help. The event was a success, and students learned a lot about mental health and how to build resilience. Dr. Vidhya was a knowledgeable and engaging speaker, and she provided students with valuable resources and support.

RESEARCH ORATION

| S.NO | SCHOLAR REG. NO | SCHOLAR NAME | SUPERVISOR | TITLE | PRESENTATION COMPLETED DATE |
|------|--------------------|---------------------------|--------------------------|--|-----------------------------------|
| 1 | RA2113003011046 | Ms.S.Anusha | Dr.K.Nimala | ChatGPT | 07.10.2023 |
| 2 | RA2313003011003 | Ms.S.Jenni Kalaifarasi | Dr.K.Nimala | Exploration of Python: Basics of Python | 04.11.2023 |
| 3 | RA2313003011007 | Ms.G.Poomima | Dr.L.Anand | Exploration of Python: Variables, Operators, and expressions | 04.11.2023 |
| 4 | RA2113003011030 | Mrs.J.Justina Michael | Dr.M.Thenmozhi | Python: Control Flow Statements | 17.11.2023 |
| 5 | RC2213003011020 | Mr.A.Hussain | Dr.P.Balaji Srikaanth | Python: User Inputs | 25.11.2023 |
| 6 | RC2213003011004 | Mr.R.Naresh Kumar | Dr.K.Nimala | Python: Data Types | 25.11.2023 |

PLACEMENTS

97.95%

of Placement
Record
(2022 Batch)



93.08%

of Placements
(As on Date)
(2023 Batch)

54.18%

of Placements
(As on Date)
(2024 Batch)

13 Marquee Offers (2023 Batch) with Highest Package of 70 Lakhs

13 Marquee Offers (2024 Batch) with Highest Package of 52 Lakhs



Hearty Congratulations

on behalf of Department of Networking and Communications



MARQUEE OFFERS



Name : **ASHUTOSH R SINGH**
 Reg.No : RA2011028010150
 Company : DE SHAW
 Stipend : Rs.1,50,000 / Month
 CTC : 50 to 52 LPA



Name : **PRITHVI SINGH KIRAR**
 Reg.No : RA2011031010023
 Company : ARM Embedded
 Stipend : Rs.40,000 / Month



Name : **SHIVMALHAR GAUTAM DIXIT**
 Reg.No : RA2011031010030
 Company : Scaler
 Stipend : Rs.35,000 / Month
 CTC : 22 to 24 LPA



Name : **DAVID JOSEPH**
 Reg.No : RA2011032010005
 Company : SQUADCAST
 Stipend : Rs.40,000 / Month
 CTC : 20.04 LPA



Name : **ANJALI THARUN**
 Reg.No : RA2011030010051
 Company : BNY MELLON
 CTC : 21.64 LPA



Name : **SOORAJ TOMAR**
 Reg.No : RA2011030010224
 Company : BNY MELLON
 CTC : 21.64 LPA



Name : **ATHARVA ABHAY PATIL**
 Reg.No : RA2011032010008
 Company : Oracle
 CTC : 30.5 LPA



Name : **ARJUN DEV SINGLA**
 Reg.No : RA2011031010074
 Company : Oracle
 CTC : 30.5 LPA



Name : **AJAY YADAV**
 Reg.No : RA2011031010104
 Company : Junglee Games
 Stipend : Rs.40,000 / Month
 CTC : 23.0 LPA



Name : **PARTH SUNDARKA**
 Reg.No : RA2011029010051
 Company : Databrics
 Stipend : Rs.50,000 / Month
 CTC : 23.2 LPA



Name : **PRIYANSHI DAVID**
 Reg.No : RA2011028010039
 Company : Databrics
 Stipend : Rs.50,000 / Month
 CTC : 23.2 LPA



Name : **ROHAN KISHOR SHINDE**
 Reg.No : RA2011031010122
 Company : Databrics
 Stipend : Rs.50,000 / Month
 CTC : 23.2 LPA



Name : **TATAVARTHY PRANAV**
 Reg.No : RA2011031010011
 Company : Amazon
 Stipend : Rs.1,10,000 / Month
 CTC : 28.0 to 32.0 LPA

STUDENT ACHIEVEMENTS

PG-CLOUD COMPUTING PLACED STUDENTS



Name : **ANIL KUMAR SHA**
Reg.No : RA2212033010001
Course : M.Tech - Cloud Computing
Company : Continental
Stipend : Rs.30,000 / Month



Name : **GOHUL SEYAM RAAJ S**
Reg.No : RA2212033010002
Course : M.Tech - Cloud Computing
Placed : Stryker
Stipend : Rs.50,000 / Month



Name : **AADHINENI GANESH**
Reg.No : RA2212033010009
Course : M.Tech - Cloud Computing
Placed : Stryker
Stipend : Rs.50,000 / Month



Name : **AYUSH ANKIT**
Reg.No : RA2212033010013
Course : M.Tech - Cloud Computing
Placed : Tata Motors
Stipend : Rs.25,000 / Month



Name : **MUKU MANOJ KUMAR**
Reg.No : RA2212033010014
Course : M.Tech - Cloud Computing
Placed : Continental
Stipend : Rs.30,000 / Month



Name : **ABHINAY CHAUKADE**
Reg.No : RA2212033010016
Course : M.Tech - Cloud Computing
Placed : Nokia
Stipend : Rs.30,000 / Month



Name : **A.J.V MANIKANTA ARUN**
Reg.No : RA2212033010005
Course : M.Tech - Cloud Computing
Placed : Goodix
Stipend : Rs.25,000 / Month



Name : **AVINASH KUMAR**
Reg.No : RA2212033010020
Course : M.Tech - Cloud Computing
Placed : Philips
Stipend : Rs.55,000 / Month

PG – ISCF PLACED STUDENTS



Name : **AMBIKA P.H**
Reg.No : RA2212023010002
Course : M.Tech - ISCF
Placed : Hitachi Energy
Stipend : Rs.30,000 / Month



Name : **VINIT MAHESH ONMALWAR**
Reg.No : RA2212023010003
Course : M.Tech - ISCF
Placed : Continental Automotive
Stipend : Rs.30,000 / Month



Name : **ELAVARASAN S.R**
Reg.No : RA2212023010005
Course : M.Tech - ISCF
Placed : Hitachi Energy
Stipend : Rs.30,000 / Month

Hearty Congratulations
on behalf of Department of Networking and Communications

STUDENT ACHIEVEMENTS



Name : **ANOUSHKA SANJEEV**
 Reg. No : RA2111028010172
 Name of the event : DOCMUN 2023 (Best Delegation Award)
 Description : International level Model United Nations
 Date : 17.10.2023 to 19.10.2023
 No. of days : 2



Name : **AMIT SHIVPRATAP SINGH**
 Reg. No : RA2211030010274
 Name of the event : CTRL+ALT+SECURE (Coordinator)
 Description : Two day workshop
 Date : 30.10.2023 to 31.10.2023
 No. of days : 2



Name : **APOORVA PRAKASH**
 Reg. No : RA2211030010061
 Name of the event : Hack The Treat (Third Prize)
 Description : CTF Cum Workshop
 Date : 20.10.2023
 No. of days : 1



Name : **MEHUL DADLANI**
 Reg. No : RA2111030010227
 Name of the event : UNFOLD BY COINDCX (Won 1000\$)
 Description : CTF Cum Workshop
 Date : 19.10.2023 to 21.10.2023
 No. of days : 3



Hearty Congratulations

on behalf of Department of Networking and Communications



NOTABLE OFF-CAMPUS INTERNSHIP

| S.NO | REGISTRATION NUMBER | NAME OF THE STUDENT | SPECIALIZATION | NAME OF THE COMPANY | DURATION OF INTERNSHIP IN MONTHS | TYPE OF INTERNSHIP | STIPEND PER MONTH (IN INR) IN CASE OF PAID INTERNSHIP | YEAR |
|------|---------------------|--------------------------------------|------------------------|--|----------------------------------|--------------------|---|------|
| 1 | RA2011030010143 | Kartik Jindal | Cyber Security | Wise Work | 6 | With Stipend | 15,000 | IV |
| 2 | RA2011030010154 | Gargi Thakur | Cyber Security | College of Engineering, Roorkee- under Dr. Aruna Tomar | 3 | With Stipend | 6000 | IV |
| 3 | RA2011028010127 | Ishita Gangwar | Cloud Computing | SitesGo Singapore | 6 | With Stipend | 14,500 | IV |
| 4 | RA2011031010065 | Vani Kumar | Information Technology | Oasis Infobyte | 1 | Without Stipend | NA | IV |
| 5 | RA2011030010189 | Neeharika gupta | Cyber Security | Openplay technologies limited | 3 | With Stipend | 20000 | IV |
| 6 | RA2111030010031 | Suyash Sareen | Cyber Security | EduNexa Tech | 1 | Without Stipend | NA | III |
| 7 | RA2111030010035 | Varad Kadtan | Cyber Security | Suvidha Foundation | 1 | Without Stipend | NA | III |
| 8 | RA2111028010106 | V SAI THARUN | Cloud Computing | 1stop | 1.5 | Without Stipend | NA | III |
| 9 | RA2111028010081 | Shikhar Agrawal | Cloud Computing | Oasis infobyte | 1 | Without Stipend | NA | III |
| 10 | RA2211030010226 | Marthala nithin prasanna kumar reddy | Cyber Security | BHARAT INTERN | 1 | Without Stipend | NA | II |
| 11 | RA2211030010036 | PRIYANSHU SINGH | Cyber Security | RAISE DIGITAL | 1.5 | Without Stipend | NA | II |
| 12 | RA2211031010052 | Anuj Tiwari | Information Technology | MOTION CUT | 1 | Without Stipend | NA | II |
| 13 | RA2211030010036 | PRIYANSHU SINGH | Cyber Security | PALO ALTO NETWORKS | 2 | Without Stipend | NA | II |
| 14 | RA2211030010048 | Taseen Iqbal | Cyber Security | CodeClause | 1 | Without Stipend | NA | II |
| 15 | RA2211031010176 | Sharmila S | Information Technology | YHills Internship | 2 | Without Stipend | NA | II |
| 16 | RA2211030010251 | Chillari Jaya Prakash Reddy | Cyber Security | YHills Internship | 2 | Without Stipend | NA | II |
| 17 | RA2211028010212 | ADITYA RAI | Cloud Computing | AWS academy (eduskills) | 3 | Without Stipend | NA | II |
| 18 | RA2212703010016 | HEMAGIRISAI BHUPATI | Cyber Security | EDUNEXA TECH | 1 | Without Stipend | NA | II |
| 19 | RA2212703010010 | R Ragul | Cyber Security | MSC Technology | 1 | Without Stipend | NA | II |
| 20 | RA2212703010005 | Nisshanth Vijai | Cyber Security | MSC Technology | 1 | Without Stipend | NA | II |

TRAINING ACTIVITIES FROM SEPTEMBER 2023 TO NOVEMBER 2023

- ❖ Training calendar for ODD Semester 2023-24 is prepared, to provide training for NWC students.
- ❖ The general aptitude tests 03 and 04 were conducted on 15.09.2023 and 13.10.2023 respectively.
- ❖ The technical MCQ based programming tests 03 & 04 were conducted on 22.09.2023 and 20.10.2023 respectively.
- ❖ The Hackerrank coding challenges 03 & 04 were conducted on 06.10.2023 and 27.10.2023. For final and pre-final year participants, the challenge draws from questions in the previous Wipro placement test question paper. Meanwhile, for second-year participants, the test focuses on functional programming.
- ❖ The JAVA placement training is conducted on 13-10-2023 for 3rd year students by visiting professor Dr.K.Venkatraman.
- ❖ The Technical JAVA placement training was conducted on 16-10-2023 for final year students by visiting professor Dr.K.Venkatraman.
- ❖ The placement Virtual talk on “how to build my resume professionally?” has been conducted on 19-10-2023 by Visiting professor Dr J Jessy Christin Ph.D, DTM, Chief Delivery Officer , Global Talent, Acquisition Operations, MASADIR HR Services , Bangalore.
- ❖ The Technical JAVA placement training is conducted on 03-11-2023 for PG students by visiting professor Dr.K.Venkatraman.



STUDENTS ACHIEVEMENTS

SMART INDIA HACKATHON 2023

Team Orion Space Systems, a student team from SRM Institute of Science and Technology, registered for **Smart India Hackathon 2023**, choosing ISRO's problem statement SIH1519. After a series of presentations over 3+ months, they secured a spot in the grand finale, where 46 teams competed at Gujarat University, Ahmedabad. They impressed with their immediate implementation of solutions, securing the fourth position in the 36-hour hackathon and were declared the best for our problem statement all over India.

Out of 1700+ teams that registered for their problem statement, only 46 were selected for the finale, and Team Orion's victory was remarkable given their relative junior status in the competition. The judging was conducted by ISRO, as the problem statement involved classified data and fell under the Ministry of Defence. The team received special appreciation from senior scientists and group directors at ISRO for their understanding and implementation. This experience, with a virtual live interactive session with Prime Minister Narendra Modi, proved to be life-changing for the team, and they expressed gratitude to SIH, ISRO, and the Prime Minister for their support.

They have won the overall 4th place and declared the overall best of the problem statement in India. They received a trophy and a cash prize of 25000.

Team members participated in this hackathon:

R. KISHORE (RA2212703010009)

M.Tech - Integrated Cybersecurity and Digital Forensics, NWC.

A.THARUN (RA2211043010008)

B.Tech - Electronics and Computer Engineering (ECE)

A.AARICK YADHUVIR (RA2211043010006)

B.Tech - Electronics and Computer Engineering (ECE)

S.SURYA NARAYANAN (RA2211043010038)

B.Tech - Electronics and Computer Engineering (ECE)

SAKETA SRI RAMACHARYULU GUDIMELLA (RA2211043010038)

B.Tech - Computer Science Engineering, Ai MI (CIntel)

S.SURYA NARAYANAN (RA2211043010038)

B.Tech - Electronics and Computer Engineering (ECE)



STUDENTS ACHIEVEMENTS

Represented SRM at the Smart India Hackathon Grand Finale in Hyderabad after being shortlisted, actively contributing to a nationwide initiative empowering students for innovation and addressing pressing challenges.

1. **AKHILA S KUMAR** - B.Tech, CSE (AIML)
2. **ASWIN SUJITH VARGHESE** - B.Tech, CSE (CYBER SECURITY)
3. **HARINARAYANAN R** - B.Tech, CSE (AIML)
4. **DERILL SEBIRAJ** - B.Tech, CSE AIML
5. **ANANYA NIGAM** - B.Tech, CSE (CORE)
6. **PRANAV PEESAPATI** - B.Tech, CSE (BIGDATA ANALYTICS)

Amisha.Rajani
@timesgroup.com

For a marathon 36 hours, 200 bright BTech students from across India — guided by 40 mentors — brain-stormed to build innovative solutions for problems faced by various sectors. On Wednesday, the table at the Smart India Hackathon held at the city's Srinidhi Institute of Science and Technology (SNIST) was crowded with unique ideas in agri-tech, health, automation, clean and green technology among many other sectors.

The student-participants, selected by a jury comprising experts from All India Council for Technical Education, developed websites or even made prototypes, to display their innovative prowess and dedication to their cause.

For instance, a group from Jodhpur Institute of Engineering Technology designed Pillsmart: an automated medicine dispensary, to help patients collect their prescribed medicines from a vending machine. Ahtesham Pathan, mentor of the team, said: "This technology can operate on interconnectivity between three parties: doctors, patients, and pharmacies, each equipped with a unique ID coupled with biometric data. We also train patients to become familiar with the technology."

Another project that grabbed many eyeballs at the event was — Q-lert — developed by participants from the New Horizon College of Engineering in Bengaluru. The objective: To save more lives during accidents. The innovation involved affixing a QR code to every vehicle, allowing bystanders to scan it in case of an accident. Once scanned, it would allow users to press the 'alert' tab, transmitting information to the

Smart Hackathon: Brightest Minds Across India At Play

Offer Tech Solutions For Agri, Health & Environment



Participants at the Smart India Hackathon (SIH) hosted by Sreenidhi Institute of Science and Technology (SNIST) in city on Wednesday

TOWARDS HEALTHIER MOTHERHOOD

To empower expectant and new mothers across tier 2, tier 3 cities, and rural areas, a team of International Institute of Technology, Pune, introduced 'Garbhini', an app dedicated to seamless prenatal and postpartum care. This application offers a holistic approach, providing tailored workouts, yoga sessions, and personalised dietary plans, departing from westernised food plans offered by similar platforms. Recognising the lack of personalised experiences for women in underserved regions, the team aims to bridge this gap through collaboration with government initiatives and schemes, anganwadi workers. Mentor Deepti Chaudhari, said: "We are working with both the parents to be involved in workouts, diet plans, and training for care of the child for the first six months." The results are awaited.

THREE SOLUTIONS

Protecting crop from diseases

The only all-girls team in the Hackathon set out to address woes of agriculturalists with their innovative solutions. Armed with drones, sensors, and machine learning, these students of SV College of Engineering, Tirupati, provided solutions for crop diseases. Their tool promises to actively assess crop health through sensors, pictures, and soil health. "This can not only curb diseases but also preserve quality of crops. Our focus lies on mango, but we can expand the technology to a diverse range of crops," said Laxmi Prasanna, a team member.

police, ambulance service, and the family members of the person involved in the accident. Vishruth PS Reddy, a team member, said, "The app can also feature guidance from the

alerted hospital on necessary actions like how to stop the bleeding, administer CPR, etc., until help arrives."

Speaking about the event, Shruti Bhargava Choubey,

Safe, convenient bus travel

The Bangalore Institute of Technology's students built an app: 'Bus Sathi: Real-time Vehicle Tracking,' that can not only offer seamless intercity and intracity ticket booking but also inform travellers about crowd density in buses, so they can choose less crowded options. It can also predict travel times based on traffic, stops, and passenger numbers, using cameras, sensors, and AI. Team member Kruthika Bhat said: "Officials can use the model to understand the number of people per trip and the best routes according to different times of the day and traffic."

dean of Innovation at SNIST, said: "These diverse themes provided a fertile ground for students to explore solutions and push boundaries of creativity." She said the five win-

Effective waste collection

SRM Institute of Science & Technology's team offered a solution that can reduce strain of waste management systems on authorities with their app, 'Recylink'. Through the app users can click pictures of garbage, upload them to an app equipped with AI and sensors. The app triggers alerts to recycling units and officials for swift action. "This not only streamlines waste management but also introduces incentives for those who use the app, offering rewards like discounts on LPG and fastag," said Hari Narayan, a team member.

ners from five different themes, selected by a 14-member jury, will get an opportunity to develop their idea into a prototype with funding from the college and partnered institutes.

ALUMNI MESSAGE**P. HIRISHIKESH,**

Department of Networking and Communications
B.Tech (IT) - Batch 2019-2023.

Greetings from SRM Institute of Technology Alumni,

In this newsletter, I am delighted to share some personal reflections and exciting updates within our cherished alumni community. I am P. Hirishikesh, a proud graduate from the Department of Networking and Communications, specialized in Information Technology, from SRM Institute of Technology, Class of 2019-2023.

Reflecting on my time at SRM, it was truly transformative. Achieving an excellent grade of 9.01 in the B.Tech CSE program was not just a personal accomplishment, but a testament to the exceptional learning environment fostered by SRM. One of the defining aspects of my academic journey was the unwavering support of our dedicated faculty members.

The teachers at SRM were not just educators; they were mentors always ready to extend a helping hand. Their commitment to our growth went beyond the curriculum; they were approachable, invested in our success, and ever-willing to provide guidance. It was this supportive environment that helped me navigate challenges and enhance my understanding of various subjects.

My academic journey was enriched not only by the depth of technical knowledge but also by the values instilled in me during my time at SRM. The exposure to different languages and a diverse range of growing technologies broadened my perspective, equipping me for the dynamic professional landscape that awaited.

I am thrilled to share that, thanks to the strong foundation laid by SRM and the support of the alumni network, I have been accepted into the University of Leeds for the MSc AI program. This achievement is a testament to the holistic education and invaluable life lessons I received at SRM.

Beyond academics, SRM taught me the importance of team spirit and the value of fostering relationships. As alumni, we share a unique bond forged through shared experiences, and I am eager to stay connected and engaged with our vibrant community.

Here is to the dedicated teachers, the spirit of camaraderie, lifelong learning, and continued success within the SRM Institute of Technology alumni family.

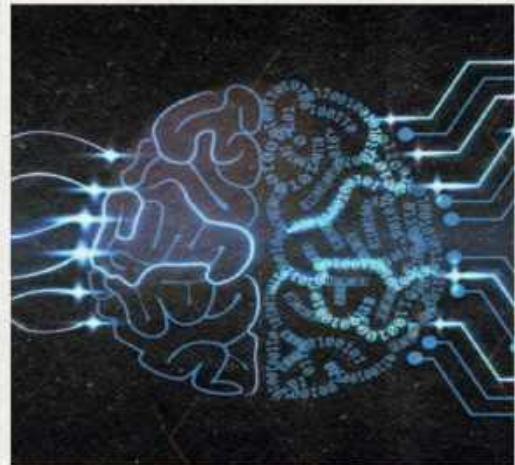
STUDENTS' ARTICLE

Brain-Computer Connection

The Amazing World of Neural Lace

Introduction

Think about talking to your computer or learning things super fast, just by using your thoughts. That's the cool idea behind Neural Lace. It's like a tiny net that can connect our brains with machines. Let's explore this mind-blowing tech and how it could change our lives.



Superpowers for the Brain:

Neural Lace isn't just for fun; it could help people who have trouble moving or remembering things. It's like a little boost for our brains, making them work better.

Making Sure It's Safe:

Of course, when we talk about new tech, we want to be sure it's safe. Scientists are working hard to make sure Neural Lace doesn't cause any problems in our brains.

Learning at Lightning Speed:

Imagine learning new things super fast, like a superhero. With Neural Lace, our brains could connect to information directly, making learning quicker and easier.

Keeping Our Thoughts Private:

If our brains connect to the internet, we need to make sure our thoughts stay private. Scientists are figuring out how to protect our personal thoughts and keep them safe.

Understanding Neural Lace:

Neural Lace is a special net that scientists might put in our brains one day. It's like magic threads that link our brains to computers. Instead of typing, we could send messages or do things on a computer just by thinking about them.

Conclusion: Neural Lace is like a brain superpower, connecting our thoughts to technology. It could make learning faster and help people with challenges. But, we need to be careful to keep it safe and respect our privacy. The future might be really exciting as we explore this cool idea of linking our minds and machines!

Nshanth.A
RA2211030010264
B.Tech -CSC (sc)
Department-NWC



STUDENTS' ARTICLE**Ms.K.SAHASRA**

Department of Networking and Communications
III Year – Cloud Computing (01)

Crafting Success in Computer Science: Communication and Relationships

When it comes to excelling as a computer science engineer, various factors come into play. Besides possessing a strong command of your technical skills, effective communication is crucial. By communication, I am not referring to just presentations or client interactions, but rather how you engage with peers, convey thoughts to professors, and ensure that all your queries are addressed.

It is particularly essential to establish effective communication with seniors who share your field or aspirations. Often, seniors can provide more practical and constructive advice than professors, having been through similar situations. They can offer warnings about potential obstacles, help you avoid common mistakes, and reveal new opportunities.

Building healthy relationships with seniors requires stepping out of your comfort zone and proactively reaching out for guidance. In addition to seniors, developing communication skills to foster understanding with professors and faculty advisors is vital. These connections can prove invaluable in the long run, especially during the final year of studies.

Furthermore, students can benefit from joining not only technical clubs but also those focused on overall personality development. Active participation in a variety of clubs can contribute to both technical prowess and personal growth. To fully leverage the opportunities of college life, especially on a campus rich with possibilities like SRM, effective communication and proactive engagement are key.

DO YOU KNOW



Google's Name Was Misspelled

It is pretty hard to imagine the iconic brand being anything but "Google," a word that didn't exist until suddenly it did. Surprisingly, the real intention behind the search engine's name is very meaningful. It was originally meant to be spelled "Googol", which is a mathematical term. It refers to a number equal to 10 to the 100th power, which is to say, an unfathomable number. Pretty fitting for a site that can lead to an unimaginable number of pages. When the misspelling became apparent, the owners just went along with it.

The First Computer Virus Had the Name "Creeper"

The word conjures images of peeping Toms and stalkers lurking in shadows. But the first virus was an experiment to see how fast a message could "creep" from computer to computer.

It did not do much damage - in fact, all it did was simply display a message saying, "I am the Creeper, catch me if you can!" This was all the way back in 1971 and no harm was ever intended, far from what computer viruses look and act like today.



People Read Screens Slower Than Physical Pages

It is official - reading on a screen slows down your reading capability by 10%. Maybe this has something to do with light emissions or the fact that your blinking slows down from 20 to 7 times a minute when looking at a screen. Either way, if you need to get through some hefty reading fast, it might be worthwhile to just print it.



DO YOU KNOW



The Most Popular Password

As you might guess, the world's most popular password is a rather lazy one that is very easy to remember - and to hack. In case you are curious what it is and whether you are one of the web users who put this infamous password to use, it's a very simple "123456."

You may think that people had outgrown this password by now, but as recently as 2020 it was hacked more


than 23.5 million times, each time taking less than a second. You may think "what's the harm?" when choosing a password like this, but it is better to take the time and create secure passwords.

PUZZLE

REBUS PUZZLES

| | | | |
|-------------------|--|--|-----------------------|
| EYE E C EXCEPT | ECONOMY | Another 1 | T |
| HEAD HEELS | GSEG SEGG GSGE | VA DERS | NO / SE |
| T _ R N | PETS A | GIVE GET GIVE GET GIVE GET GIVE GET | T O U C H |
| 13579 vs. U | HEAD COVER COVER COVER COVER | loFALLINGve | LE VEL |

LOGIC PUZZLE



| | Student | Book Title | Genre |
|--|---------|-------------------|-------|
| | David | Imaginary Borders | |
| | Jordan | In Other Lands | |
| | Kai | The Book Thief | |
| | Maggie | The Diviners | |

| Due Date | Student | Book Title | Genre |
|-------------|---------|------------|-------|
| November 21 | | | |
| November 30 | | | |
| December 5 | | | |
| December 12 | | | |

| Genre | Student | Book Title | Genre |
|----------------|---------|------------|-------|
| Historical | | | |
| Mystery | | | |
| Non-Fiction | | | |
| Sci-Fi/Fantasy | | | |

| Book Title | Student | Book Title | Genre |
|-------------------|---------|------------|-------|
| Imaginary Borders | | | |
| In Other Lands | | | |
| The Book Thief | | | |
| The Diviners | | | |

Clues

Uh oh! There's been a mix up with some of the records in the library. Can you help the librarian solve the issue? They can remember some of the information, but need your help to piece it all together...


- The four students are Jordan, the one reading The Book Thief, the one reading a Sci-Fi/Fantasy book, and the one with the November 21st due date.
- Kai is not reading the Non-Fiction book.
- David's due date is before the due date for the Historical book but after the due date for Imaginary Borders.
- Maggie is reading the Mystery book.
- Kai's book is due either on November 30th or on December 12th.
- The Non-Fiction book is Imaginary Borders.
- In Other Lands is due before the historical book but after Maggie's book.

| Due Date | Student | Book Title | Genre |
|-------------|---------|------------|-------|
| November 21 | | | |
| November 30 | | | |
| December 5 | | | |
| December 12 | | | |

CHESS PUZZLE

MAKE 9 IN 3 MOVES


| | | | | | | | |
|--|--|--|--|--|--|--|--|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |



4

-

5



6

+

3

BRAIN TEASERS

1. Archie lied on Mondays, Tuesdays, and Wednesdays, but told the truth every other day of the week.

Kent lied on Thursdays, Fridays, and Saturdays, but told the truth every other day of the week.

Archie: I lied yesterday.

Kent: I lied yesterday, too.

What day of the week was yesterday?

2. How can $8 + 8 = 4$?

SUBMIT

Submit Your Solutions in the below form

<https://tinyurl.com/43p7bz4m>

Winners will be
recognized in the
next issue

திருக்குறள் | THIRUKKURAL

“பணிவுடையன் இன்சொலன் ஆதல் ஒருவற்கு
அணியல்ல மற்றுப் பிற.”

“Humility with pleasant speech to man on earth,
Is choice adornment; all besides is nothing worth”

குறள் : 95

பொருள் :

அடக்கமான பண்பும், இனிமையாகப் பேசும் இயல்பும்
தவிர, ஒருவருக்குச் சிறந்த அணிகலன் வேறு இருக்க
முடியாது.

Explanation :

Humility and sweetness of speech are the ornaments of man;
all others are not (ornaments)

