

NETCOMM BULLETIN

Quarterly Edition - Issue 3 - April 2022

Message from the Editor

Dear Readers,

It is indeed a great honour to act as the Newsletter Editor with the vibrant team of Networking Bulletin and it is an immense pleasure to have the third edition for the quarter of January - April 2022.

In this issue, we will recount the various projects and activities in which NWC members were actively involved since the end of December 2021 until the 1st quarter of 2022. Two main points will be the participation of the faculty in bringing lots of consultancy projects and the active participation in the Third Edition of the International conference – ICIOT 2022, and of-course! The Women's Day Celebrations.

Furthermore, the team NWC is well known for the hard work, dedication and siblings 'love of its members and especially towards their students and faculties. The Iconic lady of School of Computing – Dr.Revathi Venkatraman who works behind the screens to make every movement of the team in a successful manner. Hackathons were conducted in addition with project competitions and paper presentations in a nutshell.

The PhD Supervisors of the department is tirelessly working with the enthusiasm given by the Vibrant Lady Dr.Annapurani Panaiyappan.K, to bring high quality researchers to the limelight.

A huge thank you to all the persons who contributed in all the activities and also writing the wonderful and inspiring articles, without which there wouldn't have been this newsletter issue. Last but not least, I would like to thank our Higher Authorities and the board members for their everlasting support throughout all our efforts, where our sailing happens on the quality of water boats they provide with a belief paddle.

As Change is inevitable, we are ready to Change and digitize the Department with flourishing colors at all aspects.

Wait, The Good Day is Drawing Near.

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



Ms.C.Fancy



Mr.N.Murugan

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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.

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.

Note from HOD

Discipline is the bridge between goals and accomplishments.

- Jim Rohn

The man who turned a millionaire before he hit age 31, Jim Rohn believed self-discipline is the key to success. Not just Jim Rohn, Mike Tyson, Kobe Bryant, anyone who had a taste of success will tell you discipline is highly important. It is the freedom that allows you to reach your full potential.

Discipline is just not following a set of rules and regulations. It is a character trait that paves the way to do what needs to be done. It influences the way we react though we cannot control each and every bit that comes our way. It teaches us the right attitude, all that needs to make a big difference.

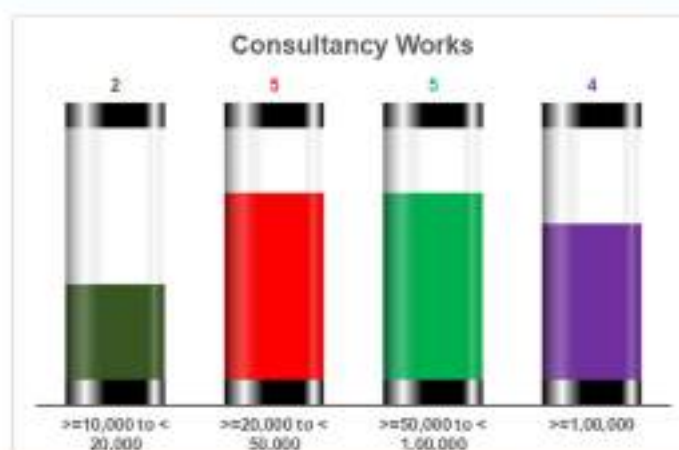


Dr. ANNAPURANI PANAIYAPPAN.K,
Professor & Head

*Department of Networking and Communications,
School of Computing*

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	25500
Consulting	Carot Labs Pvt. Ltd.	Dr.M.B.Mukesh Krishnan	50000
Resume Parsing Automation System	Mount Graph Technologies Private Limited	Lakshminarayanan R	20000
Billing Management System	Rathna Electricals And Electronics Industry	Dr.S.Metilda Florence	16400
Industrial Dashboard Design Using MQTT Protocol For Production Monitoring In Industry 4.0	Eazythings Technology Private Limited	Dr.Venkatesh K	100000
Advisory Consultancy	Industrial Infrastructures Pvt Ltd	Dr.M.Saravanan	15340
Resume Parsing Automation System	Mount Graph Technologies Pvt. Ltd.	Dr.B.YAMINI	23600
Besoins Technologies	Besoins Technologies	Dr.Nimala.K	100000
Code Neuron Technologies	Code Neuron Technologies	Dr.L.Anand, Dr.L.N.B.Srinivas, Dr.M.Thenmozhi	118000
Mobile App	Martin Colt	Dr.L.Anand, Dr.V.Hemamalini, Dr.Annapurani Pannaiyappan.K	59000
ITC Cloud Tech	ITC Cloud Tech	Dr.L.Anand	29500
Nano Technology	Nano Technology	Dr.M.Jeyaseelvi, Dr.S.Suchitra, Dr.N.Senthamarai	35400
Mobile App	Ardent Sports	Dr. L. Anand, Dr. Annapurani Panaiyappan	177840
Web and Mobile App	Status Systems	Dr.L.Anand, Dr.Annapurani Panaiyappan.K	58000
Vision App	Vision Expressions	Dr.L.Anand, Dr.Annapurani Panaiyappan.K	58000
Profiling App	Samsung Prism	Dr.Vaishnavi Moorthy Dr.M.Pushpalatha	55500



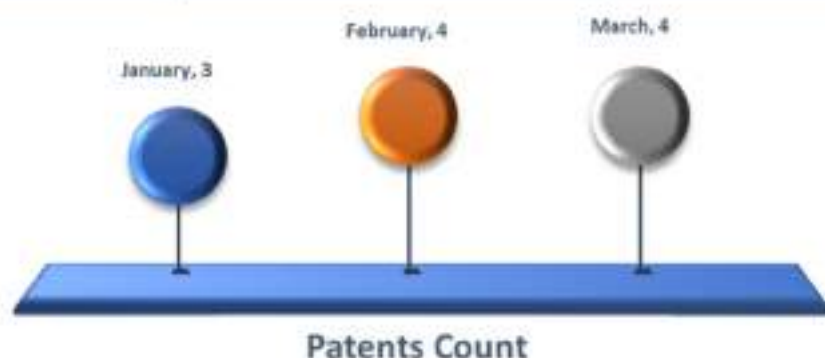
Notable Projects

S.No	Name of the Funding agency	Title of the Project	Name of the Principle Investigator	Name of the Co-Principle Investigator	Month of Funded Projects Applied	Total Amount (Rs./-)	Status
1	DST	IoT-Fog Enabled Smart Irrigation In Tradition And Vertical Farming Using Artificial Intelligence	Dr.S.Suresh	Dr.S.Marimuthu, Dr.Kamlesh Golhani, Dr.Abhishek Srivastava	January	700000	Applied
2	University Collaboration Program Sony Sensing Solution (Ssup India)	Gesture Controlled Interface For Surgeons/Medical Experts To Examine Scan Images	Dr.Vaishnavi Moorthy	Dr.M.Pushpalatha	February	16,96,000	Applied
3	Unnat Bharat Abhiyan	Smart Employment Assistance And Scheme Recommendation System For Rural People	Dr.Annapurani Panaiyappan.K	Dr. TYJ Naga Malleswari, Mrs.S.Ushasukhanya	February	96,000	Applied
4	Unnat Bharat Abhiyan	An Intelligent Digital Health Care System For Rural People	Dr.C.Malathy	Mrs. S.Ushasukhanya, Dr.TYJ Naga Malleswari	February	96000	Applied
5	Serb	Development Of Neonatal Monitoring And Decision Support System Using Fog-IoT Aided Technologies	Dr.M.Saravanan	Dr.M.Saravanan	February	58,96,893	Applied
6	Indian Council Of Medical Research (ICMR)	Cloud enabled a novel artificial intelligence (AI) tool for breast cancer prediction	Dr.P.Vijayakumar	Dr.S.Umamaheswari, Dr.J.Godwin Ponsam, Dr.N.Arivazhagan	February	30,43,325	Applied
7	Tamilnadu State Council For Science And Technology	IoT Based Telemedicine System Using Mobile Communication Technologies	Dr.N.Krishnaraj	Dr.P.Vigneshwaran	March	292093	Applied
8	Tamil Nadu State Council For Science And Technology	Smart In-Patient Tracking System To Monitor The Patient Movement Inside Hospital	Dr.N.Prasath	Dr.P.Vigneshwaran	March	479500	Applied

Patents

S.No	Month	Claiming Author	Title of the patent	Issuing Agency	Granted
1	February	Dr.S.Suresh	An IoT Fog Based Power Distribution System For Smart Energy Management And A Method Thereof	Indian Patent Office (Grant)	Granted
2	March	Dr.V.Hemamalini	Multifunctional Test Tube	Indian patent office, Delhi	Granted

S.No	Month	Claiming Author	Title of the patent	Issuing Agency	Published
1	January	Dr.Praveena Akki	Design System Of IoT Based Smart Public Food Distribution Management System To Control And Monitor	Indian Patent Office	Published
2	January	Dr.Kalaiselvi K	An IoT Based Smart Cooker That Is Pre Programed For Various Recipes	Indian Patent System	Published
3	January	Dr.S.Prabakeran	Machine Vision Based IoT Enabled Pest Identification Drone With Cloud Computing Data Analytics	Intellectual Property Rights in India	Published
4	February	Dr.Sam Pradeepraj.T	MI Based Patient Healthcare Monitoring System	Office of Controller General of Patents, Designs & Trade Marks, Mumbai, Intellectual Property India	Published
5	February	Dr.M.Saravanan, Ms.V.Lavanya	A Computer Implemented System For Identifying And Predicting Theft Attack Involved In Virtual Machines Of Cloud Computing Platform	Indian Patent Authority	Published
6	February	Dr.A.Vijay Vasanth	IoT Based Cattle Health Monitoring And Movement Tracking System	Intellectual Property India, Government of India	Published
7	March	Dr.N.Krishnaraj	Smart Home Recommendation System Using NLP	Intellectual Property Rights, Chennai, India	Published
8	March	Dr.V.Anbarasu, Dr.Suresh A	Industrial Intelligence For Pollution Control Using IoT	IPI, GOVT OF INDIA	Published
9	March	Dr.J.Godwin Ponsam	Priority generator and the method thereof by implementing artificial intelligence for diagnosing patients in hospitals	Indian patent office, Delhi	Published



Publications

S.No	Month	Indexing	Authors	Paper Title	Journal Name	SNIP/IF
1	February	SCI	Murugesan Malathi, Kaliannan Kalaiselvi, Balraj Shankarlal, Singaram Kokila, Kaliannan Thenmalare, Albert Johny Renoald	A Hybrid deep learning model for effective segmentation and classification of lung nodules from CT images	Journal of Intelligent & Fuzzy Systems	IF 1.73
2	January	Scopus	M. Vaidhehi, Dr.C.Malathy	An unique model for weed and paddy detection using regional convolutional neural networks	Acta Agriculturae Scandinavica Section B: Soil and Plant Science	SNIP 0.837
3	January	SCI	V.Hemamalini, G.Zayaraz, V.Vijayalakshmi	BSPC: blockchain-aided secure process control for improving the efficiency of industrial Internet of Things	Journal of Ambient Intelligence and Humanized Computing	IF 7.104 SNIP 2.085
4	January	Scopus	M. Kanchana, R. Naresh, N. Deepa, P. Pandiaraja, Thompson Stephan	Credit Card Fraud Detection Techniques Under IoT Environment: A Survey	Transforming Management with AI, Big-Data, and IoT , Springer	0
5	January	SCI	C. Jayavarthini, Dr.C.Malathy	Deep convolution neural network with context based expanded neighbourhoods distance re-ranking model for person re-identification	Multimedia Tools and Applications	IF 2.577 SNIP 1.139
6	January	SCI	N. Krishnaraj, B. Sivakumar, Ramya Kuppusamy, Yuvaraja Teekaraman, Amruth Ramesh Thelkar	Design of Automated Deep Learning-Based Fusion Model for Copy-Move Image Forgery Detection	Computational Intelligence and Neuroscience	IF 3.633
7	January	Scopus	M. Senthil Raja, L. Arun Raj, A. Arun	Detection of Depression among Social Media Users with Machine Learning	Webology	SNIP 0.945
8	January	Scopus	Madhavi, Dr. Supraja P	Efficient explainable deep learning technique for COVID-19 diagnosis based on computed Tomography scan images of lungs	AIP Conference Proceedings	SNIP 0.314
9	January	SCI	Pradeep Sudhakaran, Malathy Chidambaranathan	Energy efficient distributed lightweight authentication and encryption technique for IoT security	International Journal of Communication Systems	IF 2.047
10	January	Scopus	Eric Hitimana, Gaurav Bajpai, Richard Musabe, Louis Sibomana, Jayavel Kayalvizhi	IoT Application for Spruce Fire Detection in Rwanda.	Lecture Notes in Networks and Systems	SNIP 0.797

Publications

S.No	Month	Indexing	Authors	Paper Title	Journal Name	SNIP/IF
11	January	SCI	Junwei Wang, Yan Zhao, P. Balamurugan, P. Selvaraj	Managerial decision support system using an integrated model of AI and big data analytics	Annals of Operations Research	IF 4.854 SNIP 1.795
12	January	Scopus	M. Gayathri, C. Malathy, Hari Akhilesh Chandrasekar, Prabhakaran Mathialagan	Multimodal Biometric Systems, its Security Issues, Research Challenges and Countermeasures -Technical Review	Lecture Notes in Networks and Systems	SNIP 0.797
13	January	SCI	Sindhu S, Dr. Saravanan M	Performance Evaluation of Multisensor Data Fusion Approaches for Handling Data Uncertainty and Inconsistency in Robot Localization	International Journal of Mechanical Engineering	IF 2.1
14	January	Scopus	N. Deepa, R. Naresh, M. Kanchana, P. Pandiaraja, Thompson Stephan	Secure Recommendation System for Healthcare Applications Using Artificial Intelligence	Evolving Role of AI and IoMT in the Healthcare Market - Springer	0
15	January	Scopus	Gatera Antoine, Chomora Mikeka, Gaurav Bajpai, Andras Valko, Kayalvizhi Jayavel	Towards a Framework for Context-Aware Intelligent Transportation System: Case of Kigali	Lecture Notes in Networks and Systems	SNIP 0.797
16	January	SCI	M.V.S.S.Nagendranth, M. Rajesh Khanna, N. Krishnaraj, Mohamed Yacin Sikkandar, Mohamed Abdelkader Aboamer, R. Surendran	Type II fuzzy-based clustering with improved ant colony optimization-based routing (I2fcatr) protocol for secured data transmission in manet	The Journal of Supercomputing	IF 2.474 SNIP 1.118
17	January	Scopus	Kaushik Sarma, Vigneshwaran P	Underwater Image Enhancement Using Deep Learning	Lecture Notes in Networks and Systems	SNIP 0.797
18	February	Scopus	Srikanth Cherukuvada, Kayalvizhi R	A Review on EEG based Epileptic Seizures Detection using Deep Learning Techniques	IEEE digital Explorer	SNIP 0
19	February	Scopus	Dr.N.Krishnaraj, S.Sangeetha	A study of Data Privacy in Internet of Things using Privacy Preserving Techniques with its Management	SSRG International Journal of Engineering Trends and Technology	0
20	February	Scopus	K. Meenakshi, Abirami Vina, A. Shobanadevi, S. Sidhharth, R. Sai Sasmith Pabbisetty, K. Geya Chitra	Analysis of Student Attention in Classroom Using Instance Segmentation	Lecture Notes on Data Engineering and Communications Technologies	0

Publications

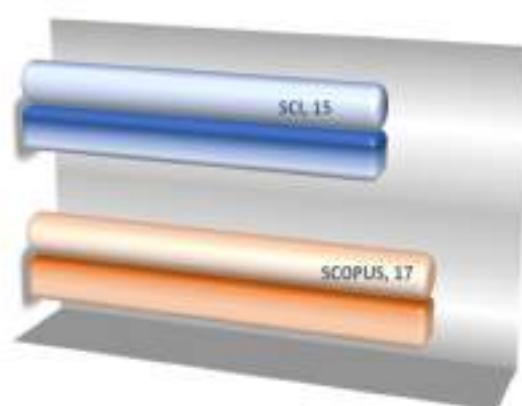
S.No	Month	Indexing	Authors	Paper Title	Journal Name	SNIP/IF
21	February	SCI	M. Sathya, M. Jeyaselvi, Shubham Joshi, Ekta Pandey, Piyush Kumar Pareek, Sajjad Shaukat Jamal, Vinay Kumar, Henry Kwame Atiglah	Cancer Categorization Using Genetic Algorithm to Identify Biomarker Genes	Journal of Healthcare Engineering	IF 2.682
22	February	Scopus	J. Godwin Ponsam, S.V. Juno Bella Gracia, G. Geetha, S. Karpaselsvi, K. Nimala	Credit Risk Analysis using LightGBM and a comparative study of popular algorithms	2021 4th International Conference on Computing and Communications Technologies (ICCCCT)	0
23	February	SCI	S.Sakthipriya, R.Naresh	Effective Energy Estimation Technique to Classify the Nitrogen and Temperature for Crop Yield Based Green House Application	Sustainable Computing: Informatics and Systems	IF 4.028
24	February	Scopus	J. Godwin Ponsam, S.V. Juno Bella Gracia, G. Geetha, M. Thenmozhi, K. Nimala	Extraction in Digital Forensic Investigation based on Video Enhancement and Machine Learning	2021 10th International Conference on Internet of Everything, Microwave Engineering, Communication and Networks (IEMECON)	0
25	February	SCI	V. Hemamalini, S. Rajarajeswari, S. Nachiyappan, M. Sambath, T. Devi, Bhupesh Kumar Singh, Abhishek Raghuvanshi	Food Quality Inspection and Grading Using Efficient Image Segmentation and Machine Learning-Based System	Hindawi Journal of Food Quality	IF 2.45
26	February	Scopus	Akella S. Narasimha Raju, Kayalvizhi Jayavel, Tulasi Rajalakshmi	Intelligent recognition of colorectal cancer combining application of computer-assisted diagnosis with deep learning approaches	International Journal of Electrical and Computer Engineering	SNIP 0.833
27	February	SCI	S. Mahaboob Basha, A. Arun, B. Srinath, S. Yuvaraj, V. Magesh, V. Bhuvaneswari	P/G Pin Position Aware Voltage Island Floor planning for IR Drop Security and avoidance in Flip Chip Designs of FIR filter	Analog Integrated Circuits and Signal Processing	IF 1.337
28	February	Scopus	M Srivatsan, Abhishek Sathyanarayanan, Meenakshi K, G Vadivu, Hsiu-Chun-Hsu	Smart and Contactless Person Identification System in the COVID 19 Pandemic Process	IEEE digital Explorer	0

Publications

S.No	Month	Indexing	Authors	Paper Title	Journal Name	SNIP/IF
29	February	SCI	P. Mahalakshmi, N. Sabiyath Fatima	Summarization of Text and Image Captioning in Information Retrieval Using Deep Learning Techniques	IEEE ACCESS	IF 3.367
30	March	SCI	V.Hemamalini, L.Anand, S.Nachiyappan, S.Geeitha, Venkata Raman, Motupalli, R.Kumar, A.Ahilan, M.Rajesh	Integrating Bio Medical sensors in Detecting hidden Signatures of COVID-19 with Artificial Intelligence	Journal of International Measurement Confederation (IMEKO)	IF 3.93
31	March	Scopus	R. Thenmozhi, Shabnam Mohamed Aslam, A. Arokiaraj Jovith & T. Avudaiappan	Modeling of Optimal Bidirectional LSTM Based Human Motion Recognition for Virtual Reality Environment	Studies in Systems, Decision and Control	SNIP 0.934
32	March	SCI	Pitchai Ramasamy, Supraja Perumal, A. Razia Sulthana, T. Veeramakali, Ch.Madhu Babu	MRI image analysis for cerebrum tumor detection and feature extraction using 2D U-ConvNet and SVM classification	Personal and Ubiquitous Computing by Springer	IF 3.006



Monthwise Publication Count



Indexing Journals Count

FACULTY MEMBERS ACHIEVEMENTS

S.No.	Photo	Name Of The Faculty	Name Of The Achievement	About the event in 5 lines
1		Dr. Kayalvizhi Jayavel	Primary Evaluator in Toyathon 2021, organized by Ministry of Education's Innovation Cell and AICTE. It is span of 01-01-21 to 01-05-21	Considering the Atmanirbhar Bharat initiative and to reduce our dependence on the international market, the Govt of India under the able leadership of Hon'ble Prime Minister Shri Narendra Modi is taking major steps for promoting 'Made in India' toys. To further boost this sector, we also require to conceptualize novel and innovative toys, puzzles and games especially based on Indian culture, civilization, history and ethos. Hence, Govt. of India is launching Toyathon Competition (Toy Hackathon) on 1st of Jan 2021 and through this Toyathon, we will seek new and innovative toy concepts from students, faculty, startups and professionals in large numbers. As they expect to get a huge number of entries/ideas from citizens, an equally large number of evaluators for scrutinizing and shortlisting the good ideas which will have true market potential.
2		Dr. M. Saravanan	Paper accepted in ICCIoT Okinawa, Japan, September 22-24, 2021 and published ACM Digital Library	2021 8th International Conference on Cloud Computing and Internet of Things (CCIOT 2021) Okinawa, Japan, September 22-24, 2021
3		Dr. T. Sam Pradeepraj	Received Best Paper Award	IEEE International Conference on Emerging Technologies and Applications for a smart and Sustainable World
4		Dr. N. Prasath	Acted as a Reviewer in International Conference on Advanced Network Technologies and Intelligent Computing	Contributed as Reviewer, at the International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2021) held online at Department of Computer Science, Institute of Science, Banaras Hindu University, and Varanasi, India during December 17-18, 2021.
5		Dr. P. Supraja	Technical Program Committee Member for Workshop on Machine Intelligence in Networked Data and Systems (MINDS) in 14th International Conference on Communication Systems & Networks (COMSNETS 2022) Jan 3rd to 9th 2022, Hybrid Conference, Bengaluru, India	COMSNETS is a premier International Conference dedicated to advances in Networking and Communications Systems. The conference is a yearly event for a world-class gathering of researchers from academia and industry, practitioners, and business leaders, providing a forum for discussing cutting edge research, and directions for new innovative business and technology
6		Dr. P. Supraja	Resource Person for Aamush Wednesday Speaks	One pic is worth of 1000 words. Mindmap is the Effective Visualization tool for Brainstorming. It helps to graphically organize different things. It is mainly used for outlining reports, simplifying tasks, projects etc

FACULTY MEMBERS ACHIEVEMENTS

7		Dr.N.Prasath	Completed RPA Design and Development v3.0 - Educator Readiness program	Completed RPA Design and Development v3.0 - Educator Readiness program
8		Dr.B.YAMINI	Resource Person in an ONLINE WEBINAR and delivered an expert speech on the topic of "Career Opportunities in Ethical Hacking and Cyber Security"	Organized by Department of Computer Science and Engineering of IDHAYA ENGINEERING COLLEGE FOR WOMEN, Chinnasaalem.
9		Dr.Kayalvizhi Jayavel	Invited Speaker (International)	It is a workshop on "Internet of Things- its Relevance and Applications across Domains" to students of Modern College of Business and Science Computing Club and Department of Mathematics and Computer Science, Muscat, https://www.mobs.edu.om/en .
10		Dr.P.Supraja	Article published in Hindu Businessline on Campus	I have published an article on topic "Leveraging explainable AI for decision making" in Hindu Business line on Campus. This article focused on Demand and opportunities galore in XAI, How it works, Challenges in this area and career opportunity of students in this niche field.
11		Dr.M.Saravanan	Panel member of Arvashan - Students project presentation for final screening	Arvashan - Students project presentation for final screening
12		Ms.Geetha G	Session chair for paper presentation at SRM science and humanities, Katankulathur	Acted as a session chair for research day 2022 paper presentation at SRM science and humanities, around 10 teams of faculties and research scholars presented their research work. It happened for two days
13		Dr.P.Supraja	Gold Medal for Research Day	Won Gold Medal in Research Day 2022 celebrated in SRMIST, Katankulathur, Chennai on Monday, 28 February 2022. It is an opportunity for all the faculty members, Research scholars and students to exhibit their aptitude for research
14		Dr.M.Saravanan	Research Advisory Committee - VelloreTech	Invited to evaluate the research progress for the research scholars - Review Meeting

FACULTY MEMBERS ACHIEVEMENTS

15		Dr.R.Radhika	Women iconic award for best educationist- IT	Women iconic award is mainly to appreciate the women in their field for Achievement.
16		Dr.M.Saravanan	MoU Coordinator and initiated between SRM – BDU (Ethiopia)	MoU Initiated between BIT-BDU(Ethiopia) & SRM IST
17		Dr.P.Salamurugan	How to Build and Maintain your Professional Skills	The session motivated the students to build their skills based on today's company/industry expectations. The students observed many points which supports their interests, values, passion. The speaker highlighted some important key points for building and maintaining their skills including creative solutions, listening capabilities, enthusiastic nature of candidate and problem-solving skills. Finally, the talk encouraged the students to update the current technologies.
18		Dr.P.Supraja Dr.V.M.Gayathri, Ms.A.Helen Victoria	Resource Person for the Computer Vision Workshop	A two day Hands on Workshop was organized by CSE Department of SRMIST Vadapalani campus. We delivered a talk to provide basic knowledge on Computer vision, Basic Image processing methods, Deep Learning Algorithms and Explainable Artificial Intelligence.
19		Dr.B.YAMINI	Judge for the English Poetry Competition	Judge for the event English Poetry Competition, Nakshatra - Virtual Inter Collegiate cultural fest for girls, Organized by School of Management, SRM Institute of Science and Technology, Kattankulathur.
20		Dr.M.Saravanan	DPRC Poster Session-1 Evaluation	Evaluated the poster presentation dissertations by research scholars from SRM IST for Research Colloquium
21		Dr.P.Supraja, Dr.V.M.Gayathri, Ms.A.Helen Victoria	Resource Person for the Nursing Workshop	This workshop was conducted for Nursing Faculty members at SRM. It was a 12 week programme and we delivered a talk on the topics Google classroom, OBS studio, Virtual Lab.
22		Dr.L.Anand	ISRO Placement	University Nodal Office for ISRO – IIRS - Through this initiative, 11 Students got Intern opportunity during Jan 2022, 3 Students has completed their intern successfully the with ISRO – Scientist. Through the initiative taken by Dr.L.Anand & Dr.Hemamalini 2 Students got Placed in BITCS with 11 LPA & 15000 Stipend during the internship. (Super Dream Offer)
23		Dr.L.Anand	First year Orientation for 2021-2025 Batch	Dr.L.Anand AICTE – Internship Co-ordinator & ISRO Nodal officer – SRMIST has provided the opportunities provided by AICTE & ISRO to all the School of Computing Students.

Faculty Course Completion

S.No	Name	Name of the Certification Course	Conducted by
CISCO			
1	Mrs.G.Parimala	CCNA1 v7: Introduction to Networks (ITN) CCNA2 v7: Switching, Routing and Wireless Essentials (SRWE) Venue Cisco Networking Academy, Instructor Training	CISCO
AWS Academy			
2	Dr.M.Saravanan	AWS Cloud Practitioner	AWS Academy
3	Mrs.Lavanya V	AWS Cloud Practitioner	AWS Academy
Google Cloud			
4	Dr.R.Naresh	Architecting with Google Compute Engine	Google
5	Dr.S.Prabakaran	Course 1 : Google Cloud Computing Foundations: Cloud Computing Fundamentals Course 2 : Google Cloud Computing Foundations: Infrastructure in Google Cloud Course 3 : Google Cloud Computing Foundations: Networking and Security in Google Cloud Course 4 : Google Cloud Computing Foundations: Data, ML, and AI in Google Cloud	Google
Oracle			
6	Dr.C.N.S.Vinoth Kumar	Oracle Certified Foundations Associate	Oracle
7	Dr.R.Naresh	Oracle Cloud Infrastructure Foundations 2021 Certified Associate	Oracle
IITM			
8	Dr.Vigneshwaran P	Cyber Security & Ethical Hacking - Advanced	IITM
9	Dr.Vigneshwaran P	Cyber Security for Beginners	IITM
ISRO			
10	Mrs.Meenakshi K	Basics of Geographical Information System	ISRO
11	Dr.L.N.B.Srinivas	Basics of Geographical Information System	ISRO
12	Mrs.G.Parimala	Basics of Geographical Information System	ISRO
13	Ms.M.Safa	Basics of Geographical Information System	ISRO
14	Ms.G.Geetha	Basics of Geographical Information System	ISRO
15	Mrs.C.Fancy	Global Navigation Satellite System and Location based services	ISRO
16	Mrs.D.Saisanthiya	Global Navigation Satellite System and Location based services	ISRO
Adobe			
17	Mr.N.Murugan	Adobe Photoshop	ADOBE
ACM (Ongoing)			
18	Dr.V.Elizabeth Jesi	Python Programming	ACM
19	Dr.Vaishnavi Moorthy	Machine Learning	ACM
20	Dr.P.Supraja	Python Programming	ACM
21	V.R.Balasaraswathi	Machine Learning	ACM
22	Dr.S.Thanga Revathi	Machine Learning	ACM
23	Dr.Mary Subaja Christo	Machine Learning	ACM
24	Dr.K.A.VarunKumar	Python Programming	ACM
25	Dr.K.Deepa Thilak	Machine Learning	ACM
26	Dr.M.Jeyasevi	Data Structures	ACM
27	Dr.K.Kalaiselvi	Machine Learning	ACM
28	Dr.S.Murugaanandam	Computer Networks	ACM
29	Mrs.G.Parimala	Python Programming	ACM
30	Dr.P.Balaji Srikanth	Computer Networks	ACM
iMAC Training (Ongoing)			
31	Mrs.G.Parimala	Development in Swift Fundamentals	iMAC

FACULTY ARTICLE



Dr. S. Suresh

Professor and Program Coordinator
Department of Networking and Communications
SRM Institute of Science and Technology

IoT and AI Impact for Agriculture Digitisation

Agriculture is the backbone of every country and citizens are dependent on it for healthy well-being. Traditionally farmers were responsible for growing the crops starting by sowing the seeds, watering the field, spraying fertilizer and so forth. Also, farmers have to be full-time responsible for growing the crops. In addition, the farmers have to be fully watchful looking for weeds, disease in crops, and growth of crops. In addition, the fertility of soil, soil borne disease, and also yield of crops need to be monitored and analysed by farmers. The challenge in such a traditional system is that everything is dependent on the farmer and it becomes tedious and cumbersome to manage big farmland as a lot of humans are involved. As with the advent of the industrial revolution, machines, fertilizers and better seeds helped farmers in producing healthy and sustainable production with less effort. This began where agronomic management practices and tools like synthetic pesticides were integrated in agriculture for better production of crops by protecting crops from any disease. This was the era of Industrial agriculture which helped farmers in producing more crops by bringing machines, fertilizers. With the advent of wireless technologies like sensors, Internet of Things, software and cloud computing, we enter new age of agriculture called agriculture 3.0. In this era, data from agriculture is very crucial which helps farmers in bringing automation pertaining to irrigation, spraying fertilizer, and efficient usage of land and water. Also, these data gathered by means of drones are used for spraying fertilizers and pesticides for healthy growth of crops. The data gathered are stored in cloud for accessible by farmers.

Now with the advent of Artificial Intelligence along with wireless technologies like Sensors, Drones and IoT, precision farming was incorporated bringing Digitisation in agriculture with intelligence. The usage of Machine learning, Deep learning, Artificial intelligence are incorporated in agriculture for precise and accurate analysis of data for intelligent decision. This has brought intelligence in IoT based system of previous generation which is agriculture 3.0 in making informed and intelligent decision with increase in economic, environmental, and social sustainability – as well as profitability – of agricultural processes.

There is a new type of agriculture practiced in cities where people can grow vegetables on the terrace or in rooms called vertical farming. This requires no usage of land. All you need is terrace of a building or room in your home or flat. The complete agriculture can be automated in vertical farming in growing vegetables, fruits at home without having to invest in land. Technologies like IoT, Wireless sensors and Artificial Intelligence are used for automating the agriculture for sustainable and health growth of vegetable and fruit in vertical farming. So, with the digitisation of agriculture in both tradition farming, automation is brought by employing technologies like IoT, wireless Sensors, Drones, Artificial Intelligence Mobile and Cloud computing for precision analysis of data for making intelligent decision towards irrigation, spraying fertilizer, disease identification and classification in crops and fertility in soils. Also in vertical farming, environment monitored and controlled using these technologies like IoT, Artificial Intelligence, Sensors and cloud for efficient and healthy growth of vegetables. So, to conclude, technologies like IoT, AI, Sensors, Mobile, Cloud have paved the way in bringing Agriculture 4.0 and 5.0 leading to digitisation in agriculture for sustained and efficient growth of vegetables produced for healthy living of people in both traditional and vertical farming. These are accessed by farmers from their mobile app to have complete status of agriculture.

PLACEMENTS

2019-2023 Batch Internship Details

	RA1911028010015 Aryan N Instadapp Rs.36,000		RA1911031010094 Aryan Bhatnagar Iconnect Res. Pvt Ltd Rs.10000		RA1911031010107 Saket Kattuboina Peakwind Rs.20,000		RA1911032010023 Aryan Kargwal Nimbekar AI Rs.30,000
	RA1911031010097 Aaditya saxena mojek Rs.67000		RA1911031010021 Chetan Pareek Starladder Rs.15,000		RA1911031010033 Saksham Arora Changeologists Rs.42,000		RA1911031010104 Johny Samuel Orbi (Boardingware) Rs.60000
	RA1911030010014 Gita Alekhyia Paul Quintence		RA1911030010026 Shivam Shekhar Quintence		RA1911030010035 Yashvardhan Jagnani Quintence		

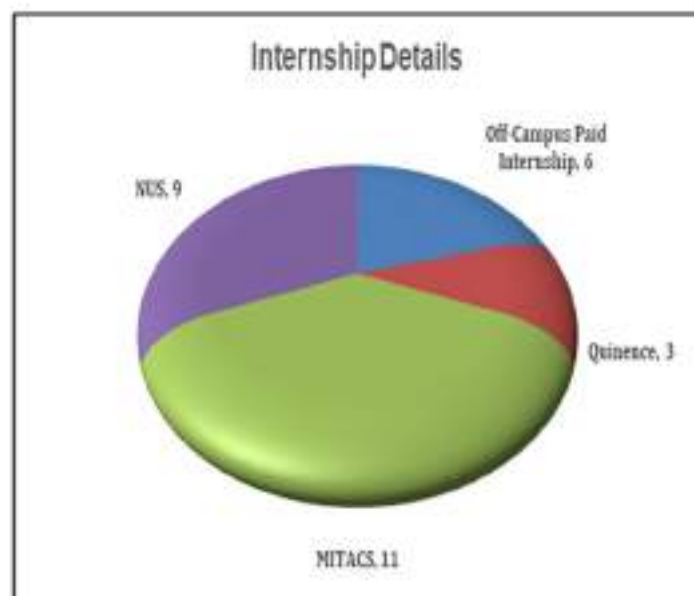
Placement Training Activities from Jan 2022 to March 2022

1. Three mock aptitude tests are conducted on 16.02.2022, 23.02.2022, and 03.03.2022 respectively for the benefit of the students. All the questions are taken from Amazon and Microsoft's previous years' question papers. The test comprises the following section.

- General Aptitude
- Verbal
- Reasoning

2. Two technical programming based multiple choice questions are conducted on 28.02.2022 and 07.03.2022. All the questions are based on the C programming and Data Structures concepts.

3. RedHat Linux (RHCSA) Training is arranged for the students and faculty members in tie up with AdvantagePro. The training is started from 14.03.2022 (Monday) onwards. Every week there are three classes that will be conducted online. 12 students and 8 faculty members are taking up the course for the RHCSA certification examination.



PLACEMENTS

MITACS



RA1911030010014
Gita Alekhya Paul



RA1911030010058
Nikhili Vombalkere



RA1911030010026
Shivam Shekhar



RA1911030010038
Sneha Sunil



RA1911030010041
Yadvika Bhatta



RA1911030010023
Rawat Paras



RA1911031010071
Sakshil Verma



RA1911031010065
Saksham Thareja



RA1911031010151
Aayushi Goenka



RA1911031010104
Johny Samuel S



RA1911031010066
Mudit Rastogi

NUS



RA1911031010089
Bhakti Ram Jain



RA1911031010081
Soumiya Chadha



RA1911031010082
Mohammed
Mubarezuddin



RA1911031010079
Tanmay Jain



RA1911030010029
Sourjyon Nath



RA1911031010151
Aayushi Goenka



RA1911030010053
Mani Shankar
Chowdhury



RA1911032010006
Omang Baheti



RA1911030010010
Mirza Rehan

Out of 341 final year students 331 are placed in marquee, dream and super dream offers till the month of March 2022. 12 in marquee offers, 103 students in super dream offers, 233 students in dream offers and 43 in internship offers. Out of 583 Pre-final Year students, 25 students have got their Internship offers.

STUDENT ACHIEVEMENTS

SIIC Funding



SIIC Funding Project Title : Quadrotor using Arduino

Amount : Rs.1,28,500 / -

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

Student Team :

Sohan Sarkar - RA1911030010126

Eshaan Bhardwaj - RA1911030010128

Aritra Dutta - RA2011028010032

Yazid Marzuk K P - RA1911018010071

Area : Robotics / Drones

Level : prototype

Brief vision : The main purpose or aim is to implement this idea in educational sectors to perform certain tasks which will be automated and will save human resources and efforts. Drones can play a vital role in development and achieving instant service anytime, anywhere.

STUDENT ACHIEVEMENTS



RA1911028010097

SHREYANSH PATHAK

B.Tech CSE Cloud Computing

Awarded with AWS Certified Cloud Practitioner Badge on the successful completion of AWS Cloud Practitioner Certification.



RA1911028010129

PRANJAY PODDAR

B.Tech CSE Cloud Computing

Awarded with the AWS Certified Cloud Practitioner Badge on the successful completion of AWS Cloud Practitioner Certification.



RA1911028010081

SUBHOJEET BHATTACHARJEE

B.Tech CSE Cloud Computing

Awarded with the AWS Certified Cloud Practitioner Badge on the successful completion of AWS Cloud Practitioner Certification.



RA1911028010108

NISHANT SINGH

B.Tech CSE Cloud Computing

Awarded with the AWS Certified Cloud Practitioner Badge on the successful completion of AWS Cloud Practitioner Certification.



RA1911003010507

KAMALINI SINGH CHAUHAN

B.Tech CSE Computer Networking

Acted as the Organizer of workshop on BLOCKCHAIN 101 (Workshop by Tezos India) & also as Chair of ACM-W SRM.



RA1911028010081

PUSHPITA BORAL

B.Tech CSE Cloud Computing

Recognised as Gold delegate in Harvard Project for Asian and International Relations (HPAIR 2022)

STUDENT ACHIEVEMENTS



RA2011031010112

MADHUR JAIN

B.Tech CSE Information Technology

Achieved a Merit certificate from IIT Madras for the clearance of NPTEL Skill Development.



RA2112033010016

DINESH BABU K M

M.Tech CSE Cloud Computing

Completed Web developer boot camp 2022 certification by Udemy.



RA1911028010013

MALEMPATI VARUN

B.Tech CSE Cloud Computing

Participated in Virtual Experience Program



RA2011030010035

NAVEEN KISHORE

B.Tech CSE

Cyber Security Participated in Android Penetration Testing Program



RA2012033010005

M OMKAR

B.Tech CSE Cloud computing

Aws course



RA1911030010038

SNEHA SUNIL

B.Tech CSE Cyber Security

NSPE Membership

STUDENT ACHIEVEMENTS



RA2011028010135

KUSHAGRA VERMA

B.Tech CSE-Cloud Computing

Participated in Slam poetry event, block and tackle event, debate event - conducted by LitSoc of SRM. Started AppDev with java and working on a project with Otizen



RA1811028010082

AKANKSHI VAISHYA

B.Tech CSE-Cloud Computing,

Participated In La Trobe Grand Infusion Challenge,

Participated in IIITB Pitch deck competition,

Participated in UBA Hackathon,

Signed MOU with Jiwaji University, Gwalior for project Substitute of Coal in the presence of Central Minister of Civil Aviation, Mr.Jyotiraditya Scidia Declared as the brand ambassador of Gwalior by Gurukul Dream Foundation at the cover page of magazine.



RA1911030010043

SHASHWAT MISHRA

B.Tech CSE Cyber Security

Participated in Deloitte cyberKshetra



RA2011028010127

ISHITA GANGWAR

B.Tech CSE-Cloud Computing

Participated in Situational Error (Equilibria Fest)

ALUMNI MESSAGE



GURKIRAT SINGH
B.TECH (INFORMATION TECHNOLOGY)
(BATCH 2016-2020)

Looking back at the time I spent at SRM, I think it would be safe to say that those four years were probably the best and most amazing years of my life. Between hostel rooms, tech park, java green, U.B., and our beautiful campus in the company of amazing friends & colleagues, life rushed by in the blink of an eye. Our college provides us with a plethora of opportunities that allow the student to have an overall holistic development, be it on a personal or a professional level. I would also like to express my sense of gratitude towards all the teachers and faculty members for being there for me and providing guidance whenever it was required.

One piece of advice that I would like to give to the upcoming batches would be to enjoy your journey at SRM to the fullest and don't leave any regrets. Be young and foolish as there'll be plenty of time afterward to be wise and old, trust me when I say that your college life would be over even before you know it. SRM is truly a transformative place where you'll meet people from all walks of life, make sure you utilize the most of this opportunity, and focus on adding value wherever you can.

STUDENT ARTICLES



Open Source income, our Exploitation?

Rishika gupta

RA2011032010063

B. Tech II year CSE (IoT) Sec : P1

Have you ever wondered how open-source companies make cash to persist in the tech world? Are these practices ethical, and is your data safe?

Let us consider Palantir— creator and maintainer of the most famous TypeScript linter bundle and GitHub. It is an organization that sells users' information to the state, and military administrations and partners with the ICE, the U.S. branch that isolates immigrants and pushes them out of the country. Is it acceptable to utilize a product bundle that an organization maintains that accomplices virtually every one of the shrewd we can envision? This organization lives and exists simply by taking advantage of individuals' security?

Some say OK, mainly because they feel like by utilizing the product, they exploit the organization. They gain something but do not yet return anything. This, in any case, is not evident.

Facebook has a decent reputation among engineers as they like React. Endless developers acclaim the decency of this system; They embrace individuals who work on it, and they believe others should involve in this too. Nevertheless, individuals paid for dealing with React likewise have a primary work: Helping Facebook bring in cash. If we all utilize Facebook's innovation, the organization can do numerous things with it - yet aside from that, they mainly benefit from the reputation- and gain clients for their primary platform.

Assuming that utilizing open-source bundles truly signifies benefitting from different organizations and this is our mindset to it, open source should not exist. The model is broken if it is meant to take advantage of others and different organizations. We cannot necessarily avoid these organizations. However, we ought to understand the after-effects of suggesting a piece of open-source programming. At this point, when we depend on an open-source undertaking to empower our foundation, we wind up expecting another person to keep up with it all around OK.

Elite programming languages!

Umansh Agarwal

RA2011032010024

B. Tech II year CSE (IoT) Sec : P1



Have you ever wondered which programming language would be ideal for your career or which programming language is in higher demand these days?

Well, it all comes down to one question...

What is your purpose for learning the particular language, whether you want to develop a mobile application, get certification for programming knowledge, or learn new skills. Below are a few languages that are selling like hotcakes in the market!

Python

Python is a popular programming language. It was released in 1991 and since then, it has evolved drastically and has become a language of choice for beginners. This is due to its ease in readability.

It has a simple syntax similar to the English language and allows developers to write programs with fewer lines than some other programming languages. Code can be executed as soon as it is written.

It can be helpful for scientific and computational application processes. According to Glassdoor, the annual salary of a Python developer is close to \$72,500.

Java

It is used to develop desktop and mobile applications, big data processing, embedded systems, etc. According to Oracle, the company that owns Java, Java runs on 3 billion devices worldwide, making Java one of the most popular programming languages.

We can write Java code on one platform and run it on another platform without any modification. It is an object-oriented language. This helps to make our Java code more flexible and reusable. Sometimes Java code turns out to be faster than lower-level languages such as C++. As a Java developer, you can earn up to \$79,000 each year, according to Glassdoor.

Swift

Apple developed Swift in 2014 for Linux and Mac applications. Swift is an open-source programming language that requires lesser coding skills when compared to some other programming languages. Swift can be used with IBM Swift Sandbox and IBM Bluemix and is also used in popular areas such as WordPress, Firefox, Mozilla, and SoundCloud. According to Glassdoor, professionals with programming knowledge in Swift earn an average annual salary of \$96,000.

C

This language is a MUST for students and working professionals to become great Software Engineers, especially when working in the Software Development Domain. C was initially used for system development work, particularly the programs that make up the operating system. C was adopted as a system development language because it produces code that runs nearly as fast as the code written in assembly language.

According to Glassdoor, a C developer may annually earn an average of \$68,500.

In the end there are hundreds of programming languages available today. However, these are just the top few that you may want to pick and are the most widely used languages in most companies worldwide. Suppose you wish to shift your career or move up the ladder in your current role. In that case, it is essential to upskill and continue learning the programming languages that are in high demand.

ACTIVITY CORNER

DO YOU KNOW?



Wikipedia is run and maintained by thousands of humans and hundreds of bots

Everyone knows Wikipedia is powered by thousands of human contributors. On the other hand, most people don't realize hundreds of bots contribute to the effort, too.

ClueBot NG catches vandalism on Wikipedia pages almost in real time. A variety of other bots contribute standardized data to the online encyclopedia.

This combination of humans and bots ensures Wikipedia runs without any problems 24 hours per day, 7 days per week.

Google's Name Comes From A Spelling Error

Sergey Brin and Larry Page founded Google in 1998. 70% of search queries worldwide run through Google's search engine. On occasion, people wonder where the name Google comes from, and its origin story comes from a spelling error.

A "googol", in mathematics, is the number 1 followed by 100 zeros. Page originally wanted to call the search engine googol.

By the time the company formed, they switched the name to Google. Perhaps the name is easier to spell and looks more friendly on the screen.

People perform billions of search queries each day through Google. It's such a popular name that it became a verb years ago among users. In fact, most people refer to running an internet search as "Googling" something.



In a jiffy is more than just an expression

The phrase "in a jiffy" is often used as an expression of time, but it's much more than that. It's actually also a unit of time.

It's used in several scientific spheres for measuring time. For example, in computer engineering, a jiffy is the length of one cycle of the computer's system clock (roughly 10 milliseconds). Meanwhile, in the physics world, it represents the amount of time it takes light to travel a distance of one centimeter.

The average computer user blinks just seven times a minute

Research suggests that the average computer user blinks significantly less than normal while at their screen.

It is said that we blink seven times per minute instead of the usual 20. Hence why your eyes dry out more while working in front of a monitor.



How Many Computer Viruses Are Found Each Day?

AV-TEST Institute identifies more than 350,000 new viruses and malicious programs each day.

This includes malware, viruses, and unwanted applications. Millions of existing viruses continue to be identified every single day as well.

In 2021, AV-TEST estimates a total number of 1191+ million total malware out there.

In fact, security researchers and antivirus software providers cannot keep up with the onslaught of new viruses.

Creating and releasing a new virus requires little capital and little effort. It can take antivirus software months to catch up with current viruses. Nonetheless, the importance of a capable antivirus program cannot be overstated. Consumers need to protect themselves from viruses whenever possible.

ACTIVITY CORNER

PUZZLES

Einstein's Riddle

The situation

- There are 5 houses in five different colors.
- In each house lives a person with a different nationality, who drink a different beverage, smoke a different brand of cigar and keep a different pet.
- No owners have the same pet, smoke the same brand of cigar or drink the same beverage.

Hints

- the Brit lives in the red house
- the Swede keeps dogs as pets
- the Dane drinks tea
- the green house is on the left of the white house
- the green house's owner drinks coffee
- the person who smokes Pall Mall has birds
- the owner of the yellow house smokes Dunhill
- the man living in the center 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 owner who smokes BlueMaster drinks beer
- the German smokes Prince
- the Norwegian lives next to the blue house
- the man who smokes blend has a neighbor who drinks water

The question is: Who owns the fish?

HOUSE	1	2	3	4	5
NATIONALITY					
COLOUR					
DRINK					
CIGAR					
PET					

The Deduction

Riddles:

- What do you have when you're sitting down that you don't have when you're standing up?
- I can always go up, never down, I can always turn left, never right, I am always hot when I'm cold.
- What flies around all day but never goes anywhere?

Guess What it Says?

1 another one thing	2 heart	3 thought but thought
4 LEAST	5 MILLION	6 FOOL
7 historyhistoryhistory	8 musically	9 end
10 BRAIN	11 FILE	12 ecapace
13 ECNALG	14 LOVE HATE	15 ALL THINGS all things

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

Submit your answers in the below form:

https://docs.google.com/forms/d/e/1FAIpQLSchHZXeqM_4xLwKTweR-Q6xF85GyboHbu8TB_255cWSnu56jWQ/viewform?usp=sf_link

EVENTS

Research Oration

S.No	Name	Title	Date
1	Mr.G.Arun Prasath	Bluetooth Low Energy	08.01.2022
2	Ms.A.Saranya	Application Development In Research	29.01.2022
3	Ms.Asha Abraham	Metrics For ML, DL Models	05.02.2022
4	Mrs.ABINAYA G	Ethical Clearance For Research	05.02.2022
5	Mr.Akella S Narasimha Raju	5g Wireless technology	12.02.2022
6	Ms.Sakthipriya S	Classification Techniques In ML	12.02.2022
7	Mr.Nagamarimuthu K	Web Application Security Exploits	26.02.2022
8	Mr.Srikanth Cherukuvada	How Productivity Tools Are Ruining Your PhD And Research Tips	26.02.2022
9	Ms.Sowmiya K	Overview Of Deep Learning	12.03.2022
10	Mr.S.Arunprasath	Metaverse - The Next Version Of The Internet	12.03.2022
11	Mr.P.Vinoth Kumar	Wireless Sensor Networks	12.03.2022
12	Mr.Jayarajan T	Artificial Intelligence And Machine Learning	26.03.2022
13	Mr.Lakshmi Narayanan K	Drive In Reality Of Autonomous Car And Its Active Research Areas	26.03.2022
14	Mr.Bharathi V	Introduction To Latex	26.03.2022

EVENTS

Other Events

A glimpse of Women's Day Celebration



EVENTS NAME	PRIZE	FACULTY NAME
Poetry (Tamil)	2 nd Prize	Dr.B.Yamini
Speech (Tamil)	3 rd Prize	Dr.B.Yamini
Rangoli	1 st Prize	Dr.K.Deepa Tilak, Dr.K.Kalaiselvi, Dr.B.Yamini
Mehandi	3 rd Prize	Dr.P.Supraja
Dance Solo	2 nd Prize	Ms. Carlin Jebakani
Fashion Walk	1 st Prize	Dr.V.M.Gayathri
Mystery Cooking	1 st Prize	Dr.B.Yamini
Tug of War	1 st Prize	Dr. Vaishnavi Moorthy and Dr. G. Suseela

EVENTS

Placement Talks

Journey to Crack your Placement held on 06.01.2022

Convener: Dr.S. Murugaanandam

Speaker: Mr. YashDoththri, Mr.Eshit Bansal, B.Tech Final Year

The talk highlighted the practice of defending interview questions, aptitude practice, online materials & practice sessions, websites, certifications, and projects. It is a mandate to understand strategic plans to prepare/improve students' skillset and confidentiality. The speakers emphasized the basic requirements to manage coding practices and proper measures. The talk benefited the students to understand the job profiles that can be achieved through practice.



Navigating the Placement Maze held on 27.01.2022

Convener: Dr.M.Anand

Speaker: Mr.Shanu Mishra, Mr.Jay Sharma,
B.Tech Final Year

The talk highlighted the practice of defending interview questions, aptitude practice, online materials & practice sessions, websites, certifications, and projects. It is a mandate to understand strategic plans to prepare/improve students' skillset and confidentiality. The speakers emphasized the basic requirements for managing coding practices and proper measures.

Sharing Experience – HOW TO TRAIN YOURSELF TO CRACK A JOB INTERVIEW held on 03.02.2022

Convener: Dr.M.Anand

Speaker: Ms. Anusha Jhampri and Ms. Vijeta Sarkar, B.Tech Final Year

The placement talk highlighted "HOW TO TRAIN YOURSELF TO CRACK A JOB INTERVIEW" by focusing on preparing with core subjects, interview questions, aptitude practice, online materials & practice sessions, websites, certifications, and projects. The speakers shared their placement and interview experience. The talk helped the students to understand how to prepare for placement in all aspects.



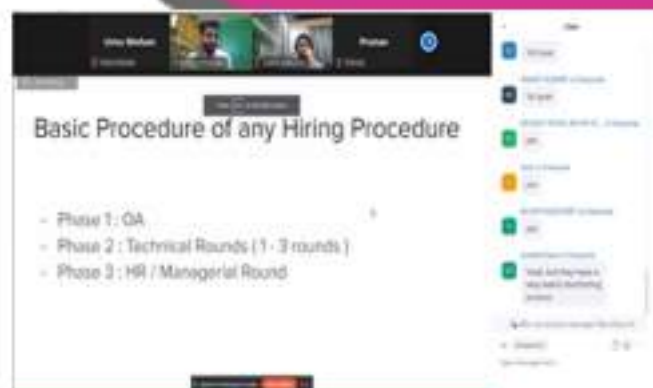
EVENTS

Placement Talks

Sharing Experience – How to prepare for placement held on 10.02.2022

Convener: Dr.M.Uma

Speaker: Mr. Prabhav Srivastava and Mr.Sumit Chauhan, B.Tech Final Year



The talk highlighted how to start preparation for placement, focusing on core subjects, interview questions, aptitude practice, online materials & practice sessions, websites, certifications, and projects. The speakers shared their placement and interview experience.



Roadmap to FAANG (Facebook, Amazon, Apple, Netflix, Google) held on 11.02.2022

Convener: Dr. V.Hemamalini

Speaker: Mr. Karthik Mathur, Founding Member (Coding Blocks)

The session provides how to prepare for FAANG company interviews, and how to put coding projects on a resume. In addition, it provided, how to write a CV for a tech company.

How To Be The Top Talent held on 18.02.2022

Convener: Dr. Vigneshwaran P, & Dr. Lakshminarayanan

Speaker: Mr. Mahmood Ali, Vice President, Information Security, Accenture & Ms. Roshni Datagupta, Sr. Security Solution Specialist, Microsoft



This placement talk is organized for the students to gain knowledge on the preparedness for the interview process. The talk highlighted the practice of defending interview questions, aptitude practice, online materials & practice sessions, websites, certifications, and projects. It is a mandate to understand strategic plans to prepare/improve students' skillset and confidentiality.

EVENTS

Placement Talks

Graduate School Admission Conclave held on 19.02.2022

Convener: Dr.Vigneshwaran P, & Dr.C.N.S.Vinoth Kumar

Speaker: Mr.Sri Ram Rangarajan, Chief Instructor and Admissions Associate



Orientation is organized for the students who have opted and willing to pursue their higher studies abroad. Students gain knowledge on GRE preparation and profile building to get admission from reputed Universities. The students have gained knowledge of the admission process, criteria, and other various parameters for various Universities across the world.



Most Important Skills for the IT Job held on 23.02.2022

Convener: Dr. R. Naresh

Speaker: Mrs. P. Muthumeena, Senior Quality Assurance Engineer, Clarivate Analytics

The talk highlighted the skills required for the IT Industry. It is a mandate to understand strategic plans to prepare/improve students' skillset and confidentiality. The speakers emphasized the basic requirements in the IT industry and what are the core concepts the student has to concentrate on. The talk benefited the students to understand the job profiles and they got an idea of where they need to make them strong and that can be achieved through practice.

Explore Your Right Career Path held on 04.03.2022

Convener: Dr.C.N.S Vinoth Kumar

Speaker: Ms.R.Nagalakshmi Prasanna, Java Application Developer – IBM Bangalore



The talk highlighted on students to find a new or different major which supports their interests, values, passion, or personality. It is mandated to understand strategic plans to prepare/improve students' skillset and confidentiality. The speakers emphasized the better entry job with higher income and more satisfaction with the chosen career field. The talk benefited the students to understand the job profiles that can achieve through practice.

EVENTS

Placement Talks

How to Build and Maintain your Professional Skills
held on 10.03.2022

Convener: Dr.P Balamurugan

Speaker: Mr.Ramkumar Govindasamy, Application Manager –
Data platform and archival, Bank of New York Mellon

The session motivated the students to build their skills based on today's company/industry expectations. The speaker highlighted a few key points for building and maintaining their skills including creative solutions, listening capabilities, enthusiastic nature of the candidate, and problem-solving skills. Finally, the talk encouraged the students to update the current technologies.



Career Guidance held on 17.03.2022

Conveners: Dr.Annapurani panaiyappan .K,
Dr.T.Sampradeepraj

Speaker: Ms.S.Eswari, System Engineer, TCS, Chennai.

A lot of tricks are discussed to face the interviews. The tricks to analyze the logical aptitude problems are explained by the resource person. Core subject-related interview preparation is

discussed. The students are benefited and learned to face the interview process.

Insight into Interviews with Product based companies held on 24.03.2022

Conveners: Dr.Annapurani panaiyappan.K, Dr. S. Prabakeran

Speaker: Gautam. R, Software Development Engineer, Zoho Corporation – India

Mr.R.Gautam started his talk about how important are product based companies compared to services based in today's IT world, enhancing the user experience for all kinds of online meetings, and how important it is for a student to create his portfolio before sitting for placements with creating small scale web applications.



Career in Data Analytics held on 31.03.2022

Convener: Dr.V.Hemamalini

Speaker: Lalithkumar M, IT Analyst (SAP) at Tata Consultancy Services

The session "Career in Data Analytics" by Mr. LALITHKUMAR, was about guiding potential engineers / scholars with an overview of the Data Analytics field in various sectors. Data Analytics is one of the fast-growing digital profiles with high demand and great job opportunities. The necessary skills/knowledge about tools and software required to enter the field as a Data Analyst and the career opportunities available in different sectors were covered in this session.

EVENTS

Alumni Talks

Git-Wiser held 20.01.22

Convener : Ms. M. Safa (AP/NWC)

Speaker: Sanjay KV, Google CS Influencer, Student at Macquarie University, Sydney, Australia



Git-wiser is a workshop conducted by the Gen-Y Events Team. The aim is to allow the students to explore GitHub and its vast community through the detailed account given by the Speaker Mr. Sanjay KV. The speaker specially curated this workshop where the beginners learn how to make their git repository and land great projects, to help them build their portfolios.



Internships and their role in placement held on 21.01.2022

Conveners: Dr. A. Rathinam, Dr. K. Venkatesh, Dr. K. Nimala, Dr. J. Godwin Ponsam, Mr. Joseph Raymond, Ms. Saveetha

Speaker: Ms. Urvi Nikhil Kumar, Software Development Engineer in Cleartrip.com

Urvi started her talk with the preparation, tips, tricks, and methods for applying the internships and their role in placements. She continued to discuss her study and work at the university. She answered the queries asked by the attendees. It was a very informative session for the junior students.

Career in Data Analytics held on 31.01.2022

Conveners: Dr. TYJ Naga Malleswari and Mrs. Ushasukhanya

Speaker: Mr. Vikram Arikath, Functional Consultant, O9 Solutions



Mr. Vikram Arikath is a Functional Consultant at O9 Solutions Texas, US. Vikram started his talk with the responsibilities of a Data Analyst, the required skill set, and future opportunities for young minds. He continued to discuss his experience of doing masters and projects he has so far worked on as a Data Analyst.

EVENTS

Alumni Talks

Top Tricks To Crack Interviews held on 04.02.2022

Conveners: Dr. A. Rathinam, Dr. K. Venkatesh, Dr. K. Nimala, Dr. J. Godwin Ponsam, Mr. Joseph Raymond, Ms. Saveetha

Speaker: Mr. Amish Anant, Software Engineer, Verizon



Mr. Amish Anant started his talk with the preparation, tips, tricks, Do's, and Don'ts to be followed in the campus interview. He discussed how to choose the companies, how to get through in the interview, and how to participate in the GD. He continued to discuss his current work at Verizon.



Cyber Crime-Past, Present(Covid situation) and Future (Crypto world) held on 11.02.2022

Conveners: Dr. A. Rathinam, Dr. K. Venkatesh, Dr. K. Nimala, Dr. J. Godwin Ponsam, Mr. Joseph Raymond, Ms. Saveetha

Speaker: Mr. Diwaagar Radhakrishnan Sitaraman, Advocate with the Bar Council of Tamil Nadu and Puducherry, Attorney at Law in New York State.

Mr. Diwaakar started his talk with the cybercrime types, occurrences, investigations, and legal remedies. He continued to discuss peculiar cases handled by him, his study at SRM, and his current service as an advocate and an attorney at law.

Share Your Career!!! Held on 18.02.2022

Conveners: Dr. A. Rathinam, Dr. K. Venkatesh, Dr. K. Nimala, Dr. J. Godwin Ponsam, Mr. Joseph Raymond, Ms. Saveetha

Speaker: Ms. Prapti Priya Nayak, Senior Solution Integrator at Ericsson



Prapti Priya Nayak started her talk with her Career. She also narrated how she chose it and how to be successful.

EVENTS

Alumni Talks

How to prepare for Hackathon and coding contest held on 04.03.2022

Conveners: Dr. A. Rathinam, Dr. K. Venkatesh, Dr. K. Nimala, Dr. J. Godwin Ponsam, Mr. Joseph Raymond, Ms. Saveetha

Speaker: Mr. Soham Dixit, Software Development Engineer-Senior Lead, Bajaj Finserv Health

Mr. Soham Dixit started his talk about how to prepare for a hackathon, bolstering the Organization's position as the best work destination, and how to be successful in a coding contest.



COVID 19(WFH) Vs Cyber Security held on 17.03.2022

Conveners: Dr. A. Rathinam, Dr. K. Venkatesh, Dr. K. Nimala, Dr. J. Godwin Ponsam, Mr. Joseph Raymond, Ms. Saveetha

Speaker: Mr. Manoj Balasubramanian, Senior Consultant, EXL Pvt.Ltd, Bangalore

Manoj Balasubramanian started his talk about Cyberattacks, the Cost of cyberattacks to the organization, how to create cybersecurity awareness among the employees, and the best practices to be followed by all.

Importance of Mathematics in Programming Domain held on 24.03.2022

Conveners: Dr. A. Rathinam, Dr. K. Venkatesh, Dr. K. Nimala, Dr. J. Godwin Ponsam, Mr. Joseph Raymond, Ms. Saveetha

Speaker: Mr. Nikhil Jha, Software Development Engineer, Verizon India

Mr. Nikhil Jha started his talk about his company, and the resources he used to learn fundamentals, work with algorithms, self-analyze their computational thinking and accurately modelling real-world solutions. He also spoke about his GRE score.



EVENTS

NWC Association Events

Webinar on 'INTERACTION ON – CIVIL SERVICES AS A CAREER OPTION'
held on 16.03.2022

Conveners and Co-conveners:

Dr. Kayalvizhi Jeyavel, Ms.M.Safa,
Dr.T.Sampradeepraj, Mr.Savaridassan,
Dr.B.Yamini, Dr.Vijay Vasanth

Speaker: Mr. Murugaraj Dhamodaran, IFS,
Deputy Secretary to Government of India,
Ministry of External Affairs, New Delhi.



The speaker, Mr. Murugaraj Dhamodaran, IFS, had a very interactive and insightful session with the students to shed light upon one of India's most respectable careers, the Civil Services. He shared his experiences of his preparation and training period which motivated many of our young aspirants to put in their efforts and strive to become officials representing our country just like him.



International Women's Day Celebration
held on 07.03.2022

Conveners and Co-conveners:

Ms. M.Safa, Dr.B.Yamini

International Women's Day on 8 March is a day to celebrate the social, economic, and political achievements of women, reflect on progress, and demand gender equality. For over a hundred years, International Women's Day has put the spotlight on issues affecting women all over the world. Today, International Women's Day belongs to everyone who believes that women's rights are human rights. NWC Association conducted women's day with a lot of fun games, a motivational speech by Dr.Revathi Venkatraman, Chair Person, School of computing, and concluded with prize distribution to the winners of the games.

EVENTS

Other Technical Events

Modern Data Engineering Practices on 10th January 2022

Convener: Dr. Annapurani Panaiyappan, K

Co-convener: Dr. M.Thenmozhi

Speaker: Dr. Suriya Priya R Asaithambi, National University of Singapore



Dr. Suriya Priya R Asaithambi, who was the speaker of this workshop is an experienced professional with twenty-four years of teaching and consulting experience in the areas of software engineering, big data engineering, and cloud-native application architecture. The topics covered during the workshop are Data Engineering Basics, mathematical modeling, ML algorithms, Tech Stacks, Apache Spark Core, Apache Spark SQL, Apache Spark ML, and MLflow. Additional relevant libraries were also discussed. Alternative Tech Stacks discussions were done on Kubeflow and Tensorflow as well. Additionally, Data Engineering Project Lifecycle was elaborated which includes data exploration, question formation, feature engineering, model design and training, hyperparameter tuning, inference engine/prediction, error correction, retraining, and redeployment. Finally, Data Ops and ML Ops are covered before concluding the workshop. The workshop has benefited all participants by giving them an insight into modern data engineering practices. Both theory and hands-on sessions were handled during the workshop to enhance the knowledge of participants in data engineering.



One Week FDP on Recent Trends on Research and Applied Statistics conducted from 15.12.2021 to 22.12.2021

Convener: Dr. M.Thenmozhi

Co-convener: Dr. M.Saravanan

Speaker: Dr. R. Srinivasan, Dr. Sushama M Bendre, Dr. Rituparna Sen, Dr. Anil K. Ghosh, Mr.Sachinkumar,Dr.Sitabhra Sinha, Dr. Rahul Siddharthan,

Speakers from industry and reputed institutions like SSN, ISI-Chennai, ISI-Bangalore, and ISI-Kolkata have shared their valuable knowledge in the FDP. The FDP is held in such a way that both experts and novice participants are benefited. The FDP began with an introduction to statistics, followed by the foundation of statistics. Gradually the core topics such as Regression analysis: Linear and Logistics, Regression analysis and model selection, statistical inference, classification, methods of data collection, regression analysis, ensemble techniques, pattern recognition, machine intelligence, and biological sequence analysis were elaborated. Both theory and hands-on sessions were handled during the FDP to enhance the knowledge of participants in statistics. Participants have gained incredibly good knowledge through this FDP and were motivated to work in the same.

EVENTS

Other Technical Events

OWASP STUDENT CHAPTER MONTHLY EVENT held on 25.02.2022

Student Coordinators: Shamunesh P, Eshaan Bhardhwaj, Praveen K, Shyam Babu - CSE Cybersecurity 3rd Years - Owasp Student Leads

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

Speaker: Mr. Sudhakar Muthumani, OWASP chapter lead Thoothukudi, Security Analyst at Primefort



The Open Web Application Security Project (OWASP) is a non-profit worldwide charitable organization focused on improving the security of application software. The mission is to make application security visible so that people and organizations can make informed decisions about true application security risks.



Women in tech For Women, By Women held on 30.03.2022

Faculty Coordinators: Dr.K.Kalaiselvi,
Dr.K.Deepa Thilak

Speaker: Dr.Revathi Venkatraman,
Professor & Chair, School of Computing, SRM
Institute of Science and Technology

To provide a space for the women of our institution and help them grow in technical fields, as well as inspire them. To develop a better understanding of any concept that the members might be interested in and complete their tenure with utmost knowledge and skills, and help to develop team spirit, leadership, and practical skills. Here, women support women and create a supportive network.

EVENTS

Other Technical Events

National Level one-week FDP on Practices on Deep Learning Models, Simulation Tools, and Data visualization Techniques held on 14th - 19th February 2022

Convener : Dr. M.Saravanan

Co-convener: Dr. M.Thenmozhi

Speaker: Mr.Mohit Kumar, Data scientist, Verizon series, Chennai, Mr.Jai Ganesh Suresh, Mr. K.Amarnath, Senior Software Engineer, Zoho corporation Private Limited, Chennai.



The objective of this program is to deliver a clear picture of the training of Deep learning models in CPU and GPU-based systems, neural network models which needs sufficient processing power to make better predictions. So choosing a category of systems will play a vital role in research completion, Data visualization is an interdisciplinary field that deals with the graphic representation of data, and information is an efficient way of communication when the data were numerous. Cloud simulation tools practice helps for delivering reliable, secure, fault-tolerant, sustainable, and scalable computational services at different service models at public and private data centers.



Awareness Programme on cyber security on 30 March 2022

Convener: Dr.Annapurani Panaiyappan.K

Co-Convener: Dr.Mukesh Krishnan, Mr.Joseph Raymond

Speaker: Mr.Venu Adhitya, Chief Executive, PiOne Technologies, Mr.Satish Kumar, Senior Technical Co-ordinator, Nutpam India Private Limited

The awareness of cyber security has been designed to give faculties an extensive overview of cyber security issues, tools, and techniques that are critical in solving problems in cyber security domains. The course aims at providing faculties with concepts of computer security, cryptography, secure protocols, detection, and other security techniques. After completion of this awareness camp, the students should be able to understand, appreciate, employ, design, and implement appropriate security technologies and policies to protect computers and digital information. Identify & Evaluate Information Security threats and vulnerabilities in Information Systems and apply security measures to real-time scenarios Identify common trade-offs and compromises that are made in the design and development process of Information Systems Demonstrate the use of standards and cyber security to enhance information security in the development process and infrastructure protection. Important topics covered are Cyber Security Challenges, Cryptography in cyber security, Malware Analysis, Machine Learning in Cyber Security, and Ethical Hacking and Network penetration on 28th September conducted by the Department of Network Communications.

EVENTS

Other Technical Events

Android penetration testing and lab setup!
held on 29 January 2022

Convener and Co-convener: Dr.C.N.S Vinoth Kumar

Speaker: Mr. Hemant Patidar, Cybersecurity Engineer
at Technoxi



The event gave wonderful insights on android penetration testing. The event ended with detailed information on lab setup and also how to get started in this field. The event also gave students an overview of how to approach this topic as a total beginner. The speaker gave a list of helpful resources to help us navigate this domain and cleared doubts for all the students who are passionate about starting android penetration testing.



**Guest Lecture on "DBMS: AN INDUSTRY
PERSPECTIVE" held on 28.03.2022**

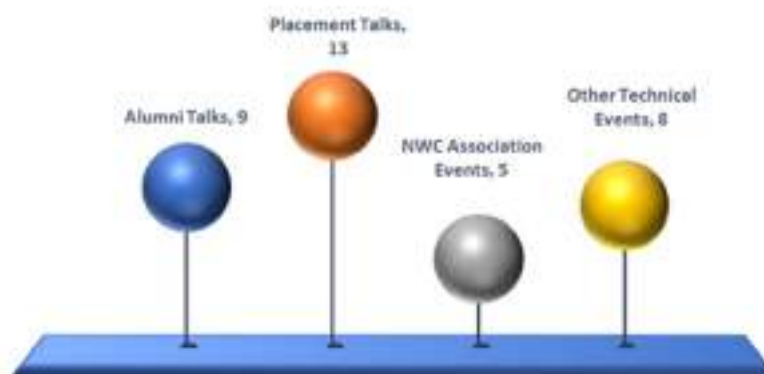
Convener: Dr.C.Malathy

Co-Convener: Dr. TYJ Naga Malleswari

Speaker: Mr. Mohit Kumar, Senior Data Analyst, Verizon,
Bangalore

The resource person delivered a talk on the evolution of applications of database management systems in the industry. He excellently explained the brief architecture of the database layers and the types of databases. Later on, the session continued with hands-on on Amazon DynamoDB which is part of the student curriculum this semester.

Events Count



The Incredible Journey of Elon Musk



The Bloomberg Billionaires Index is a daily ranking of the world's top 500 richest people, the index debuted in March 2012 and tracks the net worth of the 500 wealthiest people on the planet. It draws information from "action in the stock market, economic indicators and news reports," features a profile of each billionaire, and includes a tool that allows users to compare the fortunes of multiple billionaires. The index is updated every day at the close of trading in New York. Due to an editorial policy the Index excludes from ranking the company's own billionaire founder and majority owner, Michael Bloomberg. We will just look in to the incredible journey of the world's Topmost Billionaire – Mr. Elon Musk, which will be a motivational path for the goal setters in their real life.

Elon Musk was born on June 28th, 1972 in South Africa in a Normal Family. At the age of 10 Musk developed interest in Computers. Musk created a game called Blaster and at the age of 12 he sold it to a magazine for \$500. He studied physics and Economics at the University of Pennsylvania, USA. With \$28,000 of his father's Money, Musk and His brother Kimbal started Zip2. Which is a Web Startup that provided city travel guides to newspapers. Later in 1999, they sold Zip2 to Compaq Computers for \$307 million, earning Musk \$22 million. He invested more than half of his earnings to found x.com, an online banking service. The company quickly merged with its rival and became PayPal with Musk as the majority shareholder. In 2001, Musk conceptualized a project to land a miniature experimental greenhouse on Mars. In 2002, eBay bought PayPal and Musk walked away with \$180 million. Musk travelled to Russia to buy refurbished intercontinental Ballistic Missiles also known as ICBMs to send colony of mice to Mars. Russians offered to sell one rocket at \$8 million USD. Musk felt it was artificially Overpriced. They even taunted Elon Musk. "They said, "Oh, Little boy, You don't Have the Money?" Musk replied "I think we can build a rocket ourselves." and then stormed out of the meeting. On the flight back from Moscow, Musk realized that He could start a company. That could build the affordable rockets he needed.

Musk calculated that the raw materials for building a rocket actually were only 3 percent of the sales price of a rocket at the time. SpaceX could cut launch Price by a factor of ten and still enjoy a 70 percent gross margin. With \$100 million USD, Musk founded SpaceX, in May 2002 with the intention of building spacecraft for commercial space travel. In 2006 the first SpaceX Rocket failed in Just 33 seconds after lift-off. In 2007 and in 2008 the 2nd and 3rd chance to establish company's credibility also ended in failure. The 3rd failure almost killed the company. Musk had money that could only fund the 4th launch. On 28th Sep, 2008. The 4th Falcon 1 launched and achieved earth orbit. History was made. Falcon 1 became the first privately developed liquid fuel rocket to orbit the earth. On Dec 23, 2008, NASA awarded SpaceX \$1.6 billion Dollar contract to handle cargo transport for the international space station. With plans for astronaut transport in the future. In a move to replace NASA's own space Shuttle missions. In 2011 SpaceX publicly announced Reusable Launch System development program. After failure attempts. SpaceX achieved a successful landing and recovery of a first stage in Dec 2015. In March 2017. SpaceX relaunched the used rocket and brought it back by landing it in the ocean. it was a perfect landing. All Rocket are designed to burn up on reentry but SpaceX rockets can not only withstand reentry it can also successfully land back on earth and re-fly again. Musk Believes a fully and rapidly reusable rocket is need to reduce the cost of space travel. And in time Musk wants to build a city on the red planet.

Courtesy: <https://medium.com/@kamaldik/incredible-journey-about-elon-musk-short-note-eb1a528ad86f>

Article Shared By

Dr.B.Amutha, Professor / CT / SCO

**“அன்பின் வழியது உயிர்நிலை அஃதிலார்க்கு
என்புதோல் போர்த்த உடம்பு.”**

**“Bodies of loveless men are bony framework clad with skin; Then is the
body seat of life, when love resides within.”**



பொருள்:

அன்புநெஞ்சத்தின் வழியில் இயங்குவதே உயிருள்ள உடலாகும் ;
இல்லையேல், அது எலும்பைத் தோல் போர்த்திய வெறும்
உடலேயாகும்.

Explanation :

That body alone which is inspired with love contains a living soul; if void of
it,(the body) is bone overlaid with skin.