DATA
CHRONICLE

OFFICIAL NEWSLETTER

DEPARTMENT OF DATA SCIENCE AND BUSINESS SYSTEMS

SCHOOL OF COMPUTING
SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
KATTANKULATHUR

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

SCHOOL OF COMPUTING

DATA SCIENCE AND BUSINESS SYSTEMS · SCO-SRMIST ·

DATA

Article and Page numbers

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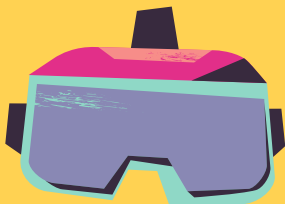
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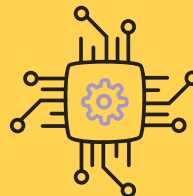
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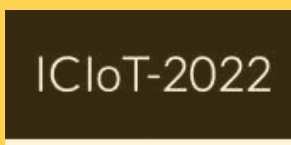
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DATA
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MESSAGE FROM
Dr. Revathi Venkataraman
Chairperson - School of Computing

In today's scenario, a successful information and technology professional must understand the advancing techniques of processing and analysing large amounts of data with high programming skills. Data science continues to evolve as one of the most promising and in-demand careers in the current high-tech business world.

The Department of Data Science and Business Systems from School of Computing prepares the next generation practitioners and researchers in the fields of Big Data Analytics, BlockChain Technology, Data Science, Data Engineering and Gaming technology. The Department is highly oriented towards the practical learning of the courses along with industry support. One of them is partnering with TCS for offering B.Tech in Computer Science and Business Systems.

We intend to provide early placement-training drives for our students. We also inculcate entrepreneurial skills in budding aspirants to pitch their innovative ideas through SRM Innovation and Incubation Center. Our International and alumni connect, bridge the gap between the trio: academics - industry –research. The School of Computing strives to give an adaptable, gender-equitable education system and forward-thinking mindset in an era of disruptive change for its students.

We look to fulfil their dreams as Meritorious Professionals of the future!

DATA

CHRONICLE

MESSAGE FROM

Dr. M. Lakshmi

HoD - DSBS

"Education is the most powerful weapon which you can use to change the world"
– Nelson Mandela

I am very happy for the release of the first edition of newsletter Data Chronicle of our department. The department of Data Science and Business Systems was formed in the year 2021 under the school of Computing.

The department offers UG Programme in Computer Science and Business Systems in association with TCS, Computer Science and Engineering with specialisation in Big Data Analytics, Block chain Technology, Gaming Technology and Data Science. I am really elated to tell you that the department stands on the strength of experienced and well qualified faculty who are very dedicated to teaching and also involved in up-gradation of knowledge. Their research experience will help to cultivate the future of our students.

This newsletter portrays the quarterly activities of the department, achievements of the faculty and students, students corner to capture the innovative ideas, creativity of the students. A Newsletter is like a mirror which reflects the clear picture of all sorts of activities undertaken by a Department and develops writing skills among students in particular. I congratulate the Editorial Board of this Newsletter who have played a wonderful role in accomplishing the task in Record time. Also my heartfelt Congratulations to staff members and Students for their fruitful effort. My Best Wishes.

ABOUT THE DEPARTMENT

The department of Data Science and Business Systems (DSBS) started in 2021 with the primary objective of producing leaders and skilled professionals in Data Science and Business Systems to meet the growing demand for Data Scientists, Data Engineers and Business Analysts in India and worldwide.

Every business is driven by data in today's evolving technological world. The department ensures the students have strong fundamentals in theory, project experience in various data science related tools and technologies, and domain knowledge in mathematics, business system and engineering science.

As per the industry requirement department offers the following courses, UG - B.Tech in "Computer Science and Business System (Jointly with TCS), Computer Science and Engineering Specialization in Gaming Technology/ Block Chain Technology / Big Data Analytics / Data Science"; Integrated PG course M.Tech in Computer Science and Engiåneering Specialization in Data Science and PG courses M. Tech in Big Data Analytics / Data Science / Data Engineering.

The department has 37 teaching faculty with multidisciplinary expertise. More than 95% percent of the faculty have completed their doctorate, and remaining members are pursuing Ph.D. The department has collaborative projects with national and international agencies worth more than ₹ 50 lakhs. 22 research scholars pursuing their Ph.D. (Full Time) in the department with stipend provided by SRMIST. To pronote the research culture, the department organizes a weekly seminar titled "Jeffrey Ullman Colloquium" for the research scholars.

The department offers special elective courses jointly with visiting professors working overseas institutes and industry. Also having joint research projects with various overseas universities including Dalhousie University, National Chung Chang University-Taiwan, New Castle University-Australia, Oakland University -USA, University of Saskatchewan, Canada, Skolkovo Institute of Science and Technology, Russia. The department is in discussion with several Data Science and Business Analytics companies for internship and academic collaborations.
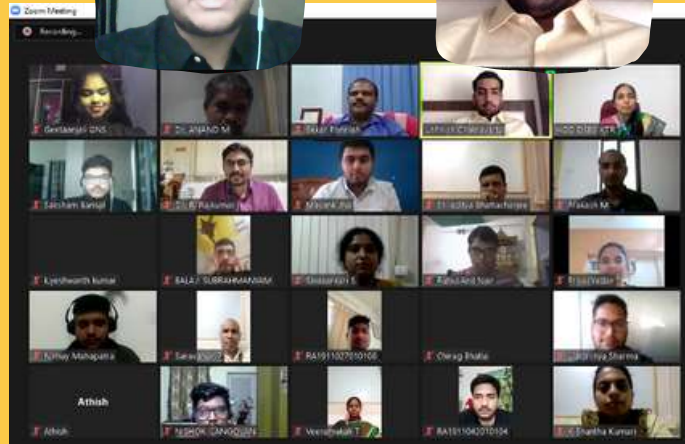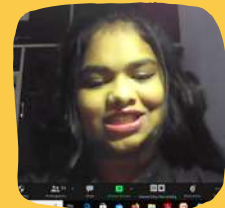
More than 95% percent of the faculty have completed their doctorate, and remaining members are pursuing Ph.D.

7 International Patents Grants

25 Indian Patents Published

DSBS Association

DSBS student association is the community center of the SRM Institute of Science and Technology Campus run by students of Department of Data Science and Business Systems. under School of Computing and inaugurated on 19th October 2021. The Keynote speaker is Mr. Sekar Ponniah, Founder & CEO Torus Innovations Inc. USA and Global Software Solutions (TVL) Pvt. Ltd.

The main objective of the association is to provide an environment for relaxation, social interaction, education and exchange of thoughts through curricular and extra-curricular activities in the field of Data Science and Business Systems. It serves DSBS students, faculty, alumni and the other community of SRM. Student Activities complements the University's academic programs. It enhances the overall educational experiences of students through development of, exposure to, and participation in social, cultural, multicultural, intellectual, recreational, traditional, community service, and campus governance programs. The Association activities are committed to the values of Mutual respect, Cooperation and communication, Creativity and innovation, Community service and leadership, Academic and intellectual freedom and Pursuit of excellence.

The DSBS student association has two activity clubs, Machine Learning and gaming technology. These clubs create awareness about technology among students to learn and gain detailed knowledge about machine learning, gaming technology club and other technologies to solve social problems using Data Science.

Dr. N. Parthiban and Dr. V. Kavitha with Scientist from DRDO, during their visit to IRDE, Dehradun

A software for Border Surveillance System (BOSS) was developed and delivered to IRDE. The software included components for manual modification of parameters (dilation and erosion) in accordance with the level of turbulence incurred. Additionally, two modules for compensation of atmospheric turbulence, namely, Turbulence Mitigation and Enhanced Turbulence Mitigation, were developed and successfully incorporated with the existing BOSS. The software was tested against live input feed from surveillance devices at IRDE.
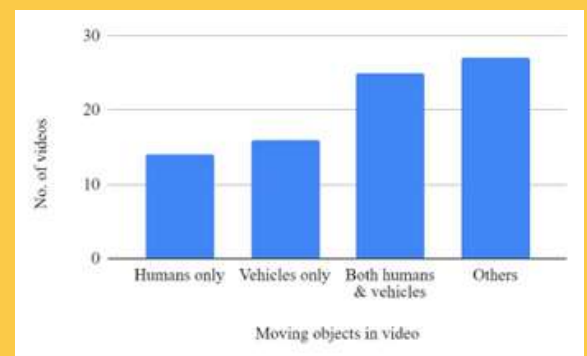
Following are the deliverables of the project:
1. Algorithm for the proposed methodology
2. Software implementation of a proposed model
3. On-field integration of the developed model
4. Deploying on embedded devices
5. Final submission of the GUI integrated model for "real-time object detection" and man-ual for porting the proposed model to the embedded device.

Project Link:
https://github.com/Surveillance-NWB/Long-Range-Surveillance

Outcome
1. Letter of internship for the below mentioned III year students of Department of Computer Science and Engineering with specialization in Big Data Analytics [Mr. Aarsh Chaube (RA1911027010105), Mr. Hardik Srivastava (RA1911027010021), Mr. Prateek Anand (RA1911027010042)] were submitted for further processing at Instruments Research and Development Establishment (IRDE), Defence Research and Development Organization (DRDO), India.
2. Certificate of completion report of the CARS project number DIR/ECS/IRDE/PROC(BRR)/20-21/018, was requested and considered for further processing at IRDE, DRDO.

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School of Computing

DATA SCIENCE AND BUSINESS SYSTEMS · SCO-SRMIST ·

Business model B2B SaaS

DSBS Health Tech Startup: PaperPlane

Paperplane Team

- College batch-mates
- Working together for last 2 years

Name	Role
Devansh Swarup	CEO
Dhruv Upadhyay	COO
Aryan Pandey	CPO
Varun Goel	CTO

100X Investing Simplified

- **Paperplane is building digital clinics on WhatsApp.**
- **Paperplane is currently closing a seed round of 2.5 Cr at the valuation of 12.5 Cr.**
- **Paperplane is hiring across domains, so feel free to reach out to dhruv@paperplanetech.co with your profile**

aws startups   100X   mongoDB FOR STARTUPS

Visit us: https://www.paperplane.health

5 Day Research Conclave on Blockchain Technology

The Department of Data Science and Business Systems organized a five day physical event on "Research Conclave on BlockChain Technology" from 13th December to 17th December, 2021 in association with Kriyatec IT Systems Pvt. Ltd., Chennai. The event was successfully commenced with welcome address by Dr. M. Lakshmi Professor and Head, Department of DSBS followed by an Inaugural address by Dr. Revathi Venkataraman, Professor and Chairperson School of Computing.

## 5 Day Research Conclave on Blockchain Technology

The entire program was delivered with both theoretical and practical perspective and the sessions were handled by Mr. K.Baskar, Dr.N.Balaji, Mr SK Shankar, Ms. N.Priya, Mr.Thangaraj, Mr. K. Sudarsanan and Dr S. Venkatesan. The aim of the program was to address the basics related to blockchain technologies like hyper ledger, docker, fabric, etc. Research issues and a direction for research scholars towards security in blockchain were discussed. On a total of 57 participants successfully attended the program, groups were splitted to work on different case studies provided by Mr. K. Baskar. The workshop was concluded by valedictory speech given by the convenors Dr. S. Ganesh Kumar and Dr. A. Murugan from DSBS. Vote of Thanks by Dr. S. Ganesh Kumar, Associate Professor and Program Coordinator- BCT, DSBS.

IET Sponsored National Workshop on Virtual Reality Applications

SRM Institute of Science and Technology, Kattankulathur Department of Data Science and Business Systems, School of Computing. in association with Institute of Engineering and Technology (IET) presents One day IET SPONSORED NATIONAL WORKSHOP ON VIRTUAL REALITY APPLICATIONS. The workshop was inaugurated by Dr. M. Lakshmi - HoD - DSBS. The Convenors are Dr. A. Murugan, Dr. S. Ganeshkumar and Dr. R. Rajkumar.
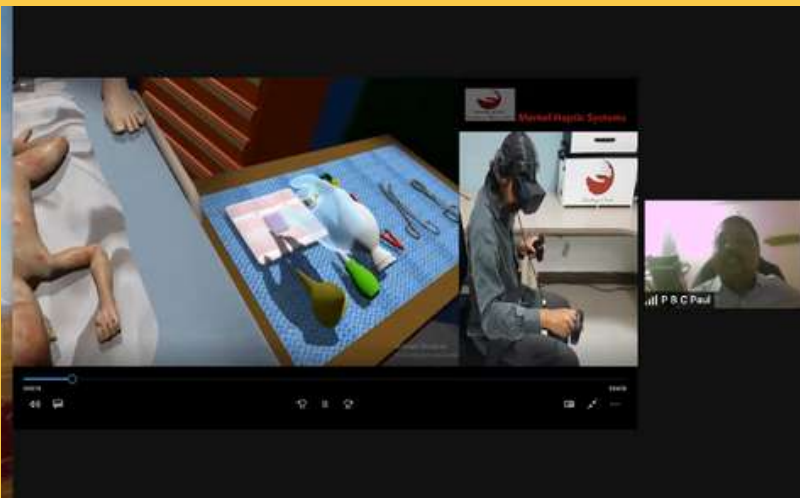
The registered particiapants are 216 from 27 different institutions across India. Received good feedback about the workshop for both the sessions.

Date: 18th December 2021
Expert Person:
Shri. P. B. C. PAUL,
Senior Advisor for Startups
Chennai
Expert Person:
Mr. S. K. Aditya,
Director and CEO
Tequed Labs
Bangalore

The Institution of
Engineering and Technology

Consultancy Works

Dr. S. Ganesh Kumar and Dr. A. Murugan has got a consultancy project of 10 lakhs from CCC and they got a first instalment payment of Rs. 2.5 lakhs

Dr. T. Karthick, Assistant Professor, DSBS

Trillom Bionetsoft India Pvt Ltd in collaboration with SRMIST for Mask detection system worth of Rs. 50k grant.

Congratulations to new PhD Graduates in DSBS.!

Dr. S. Sharanya

Dr. R. Rajkumar

Dr. P. Rajasekar

Dr. K. Sornalakshmi

Dr. A. ShobanaDevi

Funded Projects

S no	Principle Investigator(s)	Title	Funding Agency	Amount Sanctioned	Start of project	Deadline
1	Dr.A.Shanthini CoPI Dr. Vadivu	Prognosis of Microaneurysm and Early Diagnosis System for Non-Proliferative Diabetic Retinopathy using Deep Convolutional Neural Network	Scheme for Promotion of Academic and Research Collaborations (SPARC), Ministry of Human Resource Development, Government of India	59,92,270	2019	Mar-22
2	Dr. Parthiban N CoPI Dr. Kavitha V, Dr. Revathi Venkatraman	Real Time Compensation for Turbulence and Detecting Moving Objects	Instruments Research and Development Establishmen(IRDE), DRDO	17,84,200	Aug-20	July 2021
3	PI Sasikala E, CoPI Vaishnavi Moorthy & Dr Revathi Venkataraman	Secure Configuration for Heterogeneous Wireless Networks	Scientific Analysis Group (SAG) - DRDO Lab	23,60,802	Feb-21	20 Months
		-	Total	1,01,37,272		

Consultancy Works

- Dr. V. Kavitha, Dr. N. Parthiban and Dr. R. Srinivasan got 25,000 INR from Yechtra Technologies Pvt Ltd.
- Dr. Kavitha, Dr. S. Ganesh kumar and Dr. Srinivasan got $16,000 from Cogninet Australia Pvt Ltd.
- Dr. A. Murugan and Dr.S. Ganesh kumar got 10,00,000 INR from CCC Digital.
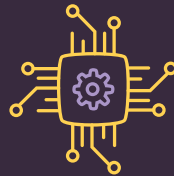- Dr. T. Karthick received 50,000 INR from Trillom Bionetsoft India Pvt Ltd

Publications Statistics

Total number of publications : 71
SCI Indexed papers : 24

Top Technologies and Business Trends of 2022

As Covid-19 vaccinations increase globally, life is getting back to normal. However, it's no longer the world we experienced before the pandemic. The long-term nature of this global crisis has changed customer needs and daily lifestyles. This will, in turn, change what I expect the world to look like in 2022 and beyond. Let's review the top 10 technology and business trends that we'll likely encounter in 2022

Momentum in Life Science Technologies

The life science industry comprises pharmaceuticals, biotechnology, environmental sciences, biomedicine, nutraceuticals, neuroscience, cell biology, and biophysics. Partially because of increased investments in mRNA vaccine technology and high-performance Covid-19 testing, 2021 has driven great innovation in life science technologies.

Examples of this innovation include the mRNA-based vaccines developed by Pfizer-BioNTech and by Moderna. Recent Covid drug developments by Merck have also pushed the life science industry forward rapidly.

Expansion of 5G-6G and Satellite-Based Internet Usage

As remote working becomes commonplace, internet reliability becomes more vital than ever. The internet of things (IoT) makes the internet a more integral part of our lives, and developments at all network levels will continue to drive research and push the internet economy forward.

According to Cisco's Visual Networking Index forecast update for 2018, there will be 1.4 billion more people using the internet by 2022, compared with 3.4 billion users in 2017. This equates to almost 60 percent of the global population, assuming a population of eight billion by 2022.

High-Performance Computing Becomes Mainstream

Given the recent growth of big data-based research and analysis and cloud-based computing, I expect high-performance computing usage to surge in 2022. From drug discovery to cancer research to space exploration, high-performance computing will become increasingly important, and quantum computing technology needs to keep up with business demand.

We've already seen massive development in quantum computing space by players including Google, IBM, Microsoft, Amazon, and Alibaba. Startups such as Rigetti Computing, D-Wave Systems, ColdQuanta,1QBit, Zapata Computing, and QC Ware have exceeded the industry expectations in their technology and their growth.

Growth in AI, Big Data Analytics, and Cloud Computing

A.I. has become an integral part of our lives. From improvements to personalization, ranking search results, recommending products, and understanding and controlling devices to building better models of the environment to automating industry, we see the application of artificial intelligence everywhere as we look toward 2022.

The Metaverse Will Shine in 2022

The metaverse is a digital reality combining social media, online gaming, augmented reality, virtual reality, and cryptocurrencies to allow virtual user interaction. The metaverse may refer to anything on the internet, including all of AR's offerings. Virtual space of the future describes the metaverse, providing access to all kinds of entertainment and projects, including the opportunity to work. We expect the metaverse to be immersive, ubiquitous, and free to access. It will be digitally focused, and potentially involves entertainment, social connection, work productivity, and behavior modification at scale.

The Robotics Sector Will Become More Prevalent

We expect to see an increased use of robotics in everyday life during 2022. Usage will include the health care, agriculture, automotive, warehousing, and supply chain management sectors, and we will see more robotics-based automation that will continue to progress.

The Covid-19 pandemic presents both problems and opportunities for robotics companies in the logistics and supermarket industries. Unexpected strains on supply systems and product shortages have highlighted the need for better supply chain efficiency. It's also become obvious that robots and automation provide a safe means for manufacturers to keep employees socially separated yet allow the business to continue operating.

The use of robotics process automation (RPA) helps automate activities that are performed repeatedly; we expect RPA to grow in 2022 and become a standard technology for business.

Blockchain Technology Prevails

Blockchain, an innovative breed of distributed ledger, enables companies to track a transaction and do business with unverified parties -- even without the assistance of financial institutions. This new capability significantly lessens business conflicts; it also adds other benefits such as append-only data structure, transparency, security, immutability, and decentralization.

Blockchain technology has enjoyed massive adoption and continues to disrupt many industries, from gaming and governance to finance. According to the International Data Corporation, companies will spend almost $6.6 billion on blockchain solutions in 2021, a 50 percent increase from the previous year. This number is expected to grow beyond $15 billion in 2024. With the new rise of NFTs and the metaverse, blockchain will become more important in 2022.

- Editorial Team

Recent Publications

Name of the Faculty : Dr. D. Rajeswari

- Aman, M., Verma, P., Rajeswari, D., "Secure Cloud Data Deduplication with Efficient Re-Encryption" , 2021 International Conference on Intelligent Technologies, CONIT 2021, 2021.

- Yadav, M., Goel, R., Rajeswari, D., "A Deep Learning Based Diabetic Retinopathy Detection from Retinal Images" , 2021 International Conference on Intelligent Technologies, CONIT 2021, 2021.

- Agarwal, A., Patni, K., Rajeswari, D., " Lung Cancer Detection and Classification Based on Alexnet CNN", Proceedings of the 6th International Conference on Communication and Electronics Systems, ICCES 2021.

- Kaushik, M., Kumar, S., Rajeswari, D., " Universal Daemoanization and Programmable Object Interface for IoT Devices " , Proceedings of the 2nd International Conference on Electronics and Sustainable Communication Systems, ICESC 2021.

- Agarwal, H., Singh, A., Rajeswari, D., "Deepfake Detection Using SVM", Proceedings of the 2nd International Conference on Electronics and Sustainable Communication Systems, ICESC 2021.

- Farishta, K.R., Singh, V.K., Rajeswari, D., "XSS attack prevention using machine learning", World Review of Science, Technology and Sustainable Development, 2022, 18(1), pp. 45–50.

Name of the Faculty : Dr P Saravanan

- Srinivas, K. & Pitchai, Saravanan & Raju, Udayabhanu & Kumar, Abhishek & Kumaran, B. & Vengatesan, K.. (2021). A Deep Analysis of Higher Education Cognitive and Psychological Learning Impact During Covid 19 Pandemic. 10.3233/APC210254.

- Kumar, Abhishek & Dey, Rini & Rao, G. & Pitchai, Saravanan & Vengatesan, K. & V D, Ambeth Kumar. (2021). 3D Animation and Virtual Reality Integrated Cognitive Computing for Teaching and Learning in Higher Education. 10.3233/APC210252.

Recent Publications

Name of the Faculty : Dr. K. Dhanasekaran

- Meta-Learning Based Adaptive Crop Price Prediction for Agriculture Application 5th IEEE International Conference on Electronics, Communication and Aerospace Technology - ICECA 2021, 2-4 Dec, 2021, pp.397-403, 978-1-6654-3524-6.

Name of the Faculty : Dr.A.SHOBANADEVI

- Novel identity management system using smart blockchain technology Journal Name : International Journal of System Assurance Engineering and Management – Springer – 1st Author (SRM Affiliation) Publication Date : 2021/11/27 SNIP: 1.014

Name of the Faculty : Dr.E.Sasikala

- G. Saranya and E. Sasikala, "Offloading Methodologies for Energy consumption in Mobile Edge Computing," IEEE 2021 2nd International Conference on Smart Electronics and Communication (ICOSEC), 2021, pp. 832-838, doi: 10.1109/ICOSEC51865.2021.9591883.

- K. Kumaran and E. Sasikala, "Learning based Latency Minimization Techniques in Mobile Edge Computing (MEC) systems: A Comprehensive Survey," IEEE 2021 International Conference on System, Computation, Automation and Networking (ICSCAN), 2021, pp. 1-6, doi: 10.1109/ICSCAN53069.2021.9526410.

- P. Lavanya and E. Sasikala, "Deep Learning Techniques on Text Classification Using Natural Language Processing (NLP) In Social Healthcare Network: A Comprehensive Survey," IEEE 2021 3rd International Conference on Signal Processing and Communication (ICPSC), 2021, pp. 603-609, doi: 10.1109/ICSPC51351.2021.9451752.

Name of the Faculty :Dr.G.Vadivu

- K.S.Lakshmi, G.Vadivu, Hybrid approach for disease comorbidity and disease gene prediction using heterogeneous dataset, International Journal of Electrical and Computer Engineering (IJECE), December, 2021.

Recent Publications

Name of the Faculty : Dr.D.Hemavathi

- D. Hemavathi, D. Ramesh Kumar, R. Regin, S. Suman Rajest, Khongdet Phasinam, Saurabh Singh " Technical Support for Detection and Prediction of Rainfall, Proceedings of the Second International Conference on Smart Electronics and Communication "(ICOSEC), IEEE Xplore Part Number: CFP21V90-ART; ISBN: 978-1-6654-3368-6, October 2021.

- Hemavathi D, Simbarashe Herbert Chaputsira, Sujatha G, Sindhu S, Sornalakshmi K, "Analysis of Text Classification Methods with Large Volume of Tweets using Deep Learning" International Journal of System of Systems Engineering, Inderscience Publishers, November 2021.

Name of the Faculty : Jeeva S

- Malarvizhi Kumar, P., Hong, C., Chandra Babu, G., Jeeva S. Cloud- and IoT-based deep learning technique-incorporated secured health monitoring system for dead diseases. Soft Comput 25, 12159–12174 (2021). https://doi.org/10.1007/s00500-021-05866-3. (IF: 3.643).
- M.Sivabalakrishnan, S.Boopesha, M.K.Priyan, S.Jeeva, P.Vigneshwaran, M.Islabudeen, "Artificial intelligence email automater and insights generator of credit card customers based on unsupervised learning" Materials Today Proceedings (Apr 2021).
- Jeeva S, Sivabalakrishnan, Sarangam Kodati, Hong-Seng Gan" Real time monitor and tracking of intrusion in warehouse using video analytics techniques", chapter in book of Cyber-Physical Systems and Industry 4.0, AAP Press, ISBN:9781003129790 (Feb 2022)

NName of the Faculty : Dr. M. Prakash

- V. Rajkumar1, M. Prakash and V. Vennila, Secure Data Sharing with Confidentiality, Integrity and Access Control in Cloud Environment, Computer Systems Science & Engineering, vol.40, no.2, pp. 779-793, 9th September, 2021. (SCIE)

- Reva Dashottar, Apurva Jaiswal, J. Jayapradha, M. Prakash, Framework to Analyze Twitter Data (Tweets) Using Deep Learning and NLPTechniques, Lecture Notes in Networks and Systems, 10th September 2021. (Scopus)

- Vinodhini Mani, Prakash Manickam, Youseef Alotaibi, Saleh Alghamdi and Osamah Ibrahim Khalaf, Hyperledger Healthchain: Patient-Centric IPFS-Based Storage of Health Records, electronics, vol. 10, 3003, 2nd December 2021 (SCIE)

Recent Publications

Name of the Faculty : Dr. K.Sornalakshmi

- Analysis of Text Classification Methods with a Large Volume of Tweets using Deep Learning Order a copy of this article by Hemavathi D, Simbarashe Herbert Chaputsira, Sujatha G, Sindhu S, Sornalakshmi K. DOI: 10.1504/IJSSE.2021.10042179. Link Inderscience: https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijsse#102901

Name of the Faculty : M.Sangeetha

- BERT for Conversational Question Answering Systems Using Semantic Similarity Estimation. CMC-Computer, Materials & Continua, 12-10-2021, Impact Factor : 3.77
- Continuous Activity-Aware Stress Detection Using Sensors, Wireless Personal Communications, 17-08-2021,Impact Factor: 1.78

Name of the Faculty : Dr. S. Sharanya

- S.Sharanya, Revathi Venkataraman, G.Murali, Estimation of remaining useful life of bearings using reduced affinity propagated clustering, Journal of Engineering Science and Technology, 16(5), pp 3737 – 3756.
- S Sharanya, Revathi Venkataraman, G Murali, Predictive Maintenance: AI Behind Equipment Failure Prediction, Introduction to AI Techniques for Renewable Energy Systems, CRC Press, pp: 155-170 (Book Chapter)

Name of the Faculty : S.SINDHU

- Analysis of Text Classification Methods with Large Volume of Tweets using Deep Learning Order a copy of this article Hemavathi D, Simbarashe Herbert Chaputsira, Sujatha G, Sindhu S, Sornalakshmi K, Journal Name: Systems of system Engineering DOI: 10.1504/IJSSE.2021.10042179

Name of the Faculty : Dr. N. Parthiban

- R. Stalin Mary, N. Parthiban, Indra Rajasingh, Paul D. Manuel: Optimal layout of recursive circulant graphs. Int. J. Comput. Math. Comput. Syst. Theory 6(3): 209-219 (2021)

Name of the Faculty: Dr. R. Rajkumar

- Vivek Raman; Swathi Balaji; R Rajkumar, An Augmented Reality Greenhouse to Demonstrate Game-Based Learning, IEEE: International Conference on Intelligent Technologies (CONIT), 2021.

Jeffrey Ullman Colloquium

Jeffrey David Ullman is an American computer scientist, his textbooks on compilers, theory of computation, data structures, and databases are regarded as standards in their fields. The Association of Computer Machinery (ACM) has announced that Jeffrey Ullman, Stanford W. Ascherman Professor of Computer Science, Emeritus, at Stanford University, has been named co-recipient of the 2020 A.M. Turing Award, deemed by many to be the equivalent of the "Nobel Prize" of computing.

Jeffrey Ullman Colloquium has been initiated with the aim of researching effectively among the Research Scholars of Department of Data Science and Business Systems. Weekly seminar series are conducted among the Research scholars and the Faculty members. The seminar series consists of the tools, methodologies, algorithms, etc from which the researchers will get benefited Open and regular communication is very much encouraged.

1 . Wiener Index – Graph Partition Techniques
Name : Karpagavalli S
Supervisor Name : Dr. N. Parthiban
Date : 01/10/2021

Several topological indices have been defined and many of them have found applications. Most widely known topological descriptors such as Wiener index and Detour index. Existing System Brute Force Partition Technique and the convex Partition Technique were discussed. Wiener index is addressed as Network Distance. It is considered as one of the basic descriptors of fixed interconnection networks because it provides the average distance between any two nodes of the network. When algorithms are executed on a parallel computer, processors are often required to exchange information. In a communication network, the communication delay is measured in terms of the length of a shortest path between the vertices. A desirable communication network is naturally one that minimizes the network distance.

Jeffrey Ullman Colloquium

2. Medical Image Segmentation

Name : S.Nandhagopal
Supervisor Name : Dr.E.Sasikala
Date : 08/10/2021
1.Importance of Medical Image Segmentation.
2.The process of segmenting an image into regions with similar properties such as grey level, colour, texture, brightness, and contrast.
3. Image Segmentation Techniques:
- Thresholding Segmentation.
- Edge-Based Segmentation.
- Region-Based Segmentation.
- Watershed Segmentation.
- Clustering-Based Segmentation Algorithms.
- Neural Networks for Segmentation
4. Limitation of traditional segmentation methods.
5. Medical image segmentation with Machine learning to identify medical issues.

3. Detection and classification of Breast Cancer using Deep Learning techniques.

Name : Swetha V
Supervisor Name : Dr.Vadivu
Date : 23/10/2021

Breast cancer is a group of diseases in which the breast tissue cells modify and split in an uncontrolled manner, usually producing mass or lump. Most breast cancers start in the lobules (mammary glands) or in the channels that connect the lobules to the nipple. Breast cancer is the most common cancer among women and is the second leading cause of death. Throughout the years, the incidence of breast cancer has risen worldwide, and throughout one million new cases are reported annually. Relative to other cancers it has a high prevalence in women. This disease leads to death if it is not diagnosed early There has been some amount of work done in employing Machine and Deep Learning towards Breast Cancer detection and classification. So we in this research work propose to detect, classify and diagnose breast cancer using Deep Learning Architecture. Research has shown that annual mammograms lead to early detection of breast cancers, when they are most curable and breast-conservation therapies are available. The National Cancer Institute (NCI) adds that women who have had breast cancer and those who are at increased risk due to a genetic history of breast cancer should seek expert medical advice about whether they should begin screening before age 40 and about the frequency of screening.

Jeffrey Ullman Colloquium

4. Blockchain Technology and Its Research Challenges

Name : Mohideen AbdulKader M
Supervisor Name : Dr. S.Ganesh Kumar
Date : 06/11/2021

Blockchain is an emerging technology and has a lot of positive impact in the industry due to its decentralized, tamper-proof and transparent nature. More than cryptocurrency, blockchain is also used to build a wide range of decentralized applications that are useful in many fields.There are currently over 4000 blockchain-based decentralized applications available across the internet. However, privacy and confidentiality are the major issues that restrict the wide reach of blockchain technology in the global market. To make crowdfunding transparent and easier, a highly secure decentralized application can be built over the Ethereum network. Developing a secure platform for crowdfunding needs to overcome many challenges like privacy, computation overhead, and performance issues. However, to overcome these issues Ethereum network can be integrated with trusted computing.

5. Ethereum: Decentralized Application Design & Development

Name : Sriman B
Supervisor Name : Dr. S.Ganesh Kumar
Date : 06/11/2021

Three versions of Blockchain are Blockchain 1.0: Currency, Blockchain 2.0: Smart Contracts and Blockchain 3.0: DApps.The blockchain trilemma refers to a widely held belief that decentralized networks can only provide two of three benefits at any given time with respect to decentralization, security, and scalability. However, ongoing innovation across the decentralized ecosystem has led to a diverse range of Layer-1 and Layer-2 solutions that are overcoming these obstacles to solve the trilemma once and for all.

6. Algorithmic Complexity

Name : Ramesh S
Supervisor Name : Dr.Prakash
Date : 04/12/2021

To solve a computational problem requires an algorithm. In order to prove the algorithm for a specific research problem needs the analysis of the algorithm. The algorithmic complexity deals with the analysis of algorithms. The objective of the seminar is to give the overview of algorithmic complexity, types of algorithmic complexity, types of various algorithmic designs, Asymptotic Notation and Efficiency classes and mathematical analysis of non-recursive algorithm. The presentation was given with various examples.

Jeffrey Ullman Colloquium

7. Offloading methods in cloud computing using machine learning

Name : Pandiyan G
Supervisor Name : Dr.E.Sasikala
Date : 11/12/2021
Cloud computing provides on demand computer resources to the devices. Devices send their heavy computational tasks to the nearby edge server. Selection of the edge server affects the overall quality of experience. Selection of the server is handled by using machine learning algorithms. Detailed contribution of learning algorithms in offloading decision making is given.

8. Drug Recommendation System using Graph Neural Networks

Name : R.Mythili
Supervisor Name : Dr. N. Parthiban
Date : 18/12/2021
Objectives Discussed:
- To form a heterogeneous graph consisting of drug, disease and patient.
- The graph embedding is transferred to Heterogeneous Graph Neural Network
- To evaluate the link prediction tasks.
- To design experiments to evaluate the personalized node recommendation task.

THIRD INTERNATIONAL CONFERENCE ON
INTERNET OF THINGS
(ICIoT-2022), 5 - 7 April, 2022

Visit: https://www.iciot2022.com

PAPER SUBMISSION
You Can Submit your Papers here:
https://easychair.org/cfp/ICIOT2022
KEY DATES
LAST DATE OF PAPER SUBMISSION : 31.01.2022
CAMERA READY SUBMISSIONS : 15.02.2022
LAST DATE FOR REGISTRATION : 15.02.2022
ACCEPTANCE NOTIFICATION : 10.03.2022

Galary of Jeffrey Colloquium

International

Dr.G.Vadivu, Professor, DSBS

MoU signed with Dalhousie University-Canada, National Chung Cheng University-Taiwan, Oakland University-USA

Jointly work with Samsung and completed a project on "OnDevice Test Data(VOC) Classifications based on AI/ML Models"

Dr. Rajeswari, Associate Professor, DSBS

Submitted project proposal on "Adaptive Placement Training Model to enhance the student Placement Opportunities using Cognitive-Transfer Learning (CTL) approach" to AUAP Research Fund 2021, collaborated with Dr. Moses Glorino Rumambo Pandin, Univeristas Airlangga, Indonesia and selected in Top 40.

Ms. E. Sangeetha. Assistant Professor,DSBS

A Paper Published along with the foreign professors- BERT for Conversational Question Answering Systems Using Semantic Similarity Estimation
Collaboration with Technical forms

International MOU & Fundings

Dr.G.Vadivu, Professor, DSBS

Signed MoU with LGSI for Internship, Placement and joint projects. Another MoU signed with PadhAI for Certification Courses in Data Science and AI.

Dr. Rajeswari, Associate Professor, DSBS

Completed project on "COST-EFFECTIVE DIGITAL TWIN DESIGN FOR MICRO MEDIUM AND SMALL ENTERPRISE'S (MSME) THROUGH INDUSTRY 4.0 SOLUTIONS" with Future Connect Technologies Pvt. Ltd., India.

Dr. A. Murugan, Assosicate Professor, DSBS

The project titled "DEEP LEARNING SYSTEM FOR DIABATIC RETINOPATHY" has been selected in Association of Universities of Asia and the pacific(AUAP) for the top 40 proposals.   which is done in collaboration with Universiti putra,Malaysia, with professor. Dr. Thinagaran perumal and our srmist team Dr.A.Murugan, DSBS, Dr.T.Sundarrajan, Dept of Pharmaceutical Chemistry, Dr.N.poornima,DSBS,Dr T.M.Vijaykumar,Dept of Pharmacy practice, Dr.S.Ganeshkumar,DSBS, SRMIST.

Workshop / Conferences / Seminars

Dr. Rajeswari

- Completed AICTE Training And Learning (ATAL) Academy Online Advanced FDP on "Introductory Data Science and Deep Learning" from 16/09/2021 to 20/09/2021 at International Institute of Information Technology - Naya Raipur.

Dr. K. Dhanasekaran

- Participated in GTC Conference organized by NVIDIA, Nov 8-11, 2021
- Participated in ATAL FDP on Data Science with Python Organized by IIIT Pune, Dec 20-24, 2021

Dr. P. Saravanan

- International Conference On Smart Technologies For Sustainable Development (ICSTSD2021) – 28-29 Oct 2021
- IIIT Bhopal - national conference on Advancements in Electronics, Computers and Information Technology (AECIT-2021) hosted by the Department of ECE, CSE, and IT. On 9/12/2021
- "Two day Workshop on Augmented Reality and its Applications" on 3rd & 4th Dec 2021. Association with ACM-W Chennai.

Dr. Rajasekar

- Attended a Two-day Workshop titled "Augmented Reality & its Applications" on 03 Dec-04 Dec, 2021
- Attended the workshop on 'Examination Reforms' in online mode, a week-long programme conducted by Expert members from SRMIST during 13-Dec-2021 to 17-Dec-2021.

Dr. S. Sudhakar

- 4th International Conference on Computing and Communication Technologies (ICCCT'21) conducted by Sai Ram Engineering College, Chennai.

Workshop / Conferences / Seminars

Dr. E. Sasikala

- G.Pandiyan and E. Sasikala, "A Survey on Offloading Methods in Cloud Environment Based on Learning Algorithms", Conference on Mathematical sciences and Applications in Engineering (CMSAE2021), page. 70, https://hindustanuniv.ac.in/CMSAE-2021/pdf/CMSAE-2021-e%20souvenir.pdf

- G.Saranya and E. Sasikala, " Deep Reinforcement Learning Algorithms For Energy Consumption In Edge Computing- A Comparative Analysis", Conference on Mathematical sciences and Applications in Engineering (CMSAE2021), page. 66, https://hindustanuniv.ac.in/CMSAE-2021/pdf/CMSAE-2021-e%20souvenir.pdf

- K. Kumaran and E. Sasikala, " Comparative Analysis Of Deep Reinforcement Models For Low Latency Edge Computing Systems," Conference on Mathematical sciences and Applications in Engineering (CMSAE2021), page. 65-66, https://hindustanuniv.ac.in/CMSAE-2021/pdf/CMSAE-2021-e%20souvenir.pdf

- P.M.Lavanya and E. Sasikala, "Performance Comparison Of Supervised Learning Approaches On Multi-Label Text Using Natural Language Processing", Conference on Mathematical sciences and Applications in Engineering (CMSAE2021), page. 66-67, https://hindustanuniv.ac.in/CMSAE-2021/pdf/CMSAE-2021-e%20souvenir.pdf

Dr.K.Priyadarsini

- Presented Research article titled "Emulating SOCs for accelerating Pre-Si Validation" in International Conference on Cognitive & Intelligence Computing (ICCIC -21) Organized by CMR College of Engineering and Technology From 11-12-2021 to 12-12-2021

- FDP on D3 GUI Based FPGA Programming (20-12-2021 to 24-12-2021)

Workshop / Conferences / Seminars

Dr. P. Kanmani
- IEEE sponsored three days National Level Workshop on Research Methodology, Annai Velankanni College of Engineering,

Dr. G Vadivu
- FDP attended on AR VR and its applications

Dr. K. Shanta Kumari

- The 4th International Conference on Recent Trends in Image Processing & Pattern Recognition (RTIP2R) December 8-10, 2021, University of Malta, Msida, Malta
- FDP on "D3 (Design.Develop.Decode) GUI BASED FPGA PROGRAMMING". 20 to 24, Dec 2021, SRMIST, VADAPALANIreinforced text
- One day workshop on 'Student Centric Approach – Counselor Training Program for Faculties - Phase 1' - Dec 16, 2021, SRMIST , KTR
- IET Sponsored National Workshop on Virtual Reality – Dec 18,2021 – SRMIST,KTR.

Dr. M. Prakash

- Vinodhini Mani, Prakash M, A patient-centric doctor referral model based on hyperledger chaincode, 5th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS-2021) – 17th & 18th December, 2021 (Article will be included in ieeexplore)

- Two days online workshop on "Industrail Impact of Artificial Intelligence in Cloud Computing", organized by department of Computational Intelligence, SRMIST, from 23rd September 2021 to 24th September 2021.

Workshop / Conferences / Seminars

- Two days workshop on "Cyber Security Trends", organized by department of Computating Technologies, SRMIST, from 29th September 2021 to 30th September 2021.

- Six Days Online Training Program on "Deep Learning Techniques - A Practical Perspective" Conducted by Department of Computer Science and Engineering, K.S.R. College of Engineering (Autonomous) and supported by ResearchBrains Academic Research Lab held from 25th October 2021 to 30th October 2021.

M. Sangeetha
- Examination Reforms Workshop from 13.12.2021 to 17.12.2021

Dr. S.Sharanya
- IEEE sponsored three days National Level Workshop on Research Methodology, Annai Velankanni College of Engineering,

S. Srividhya
- Attended Six days Faculty Development Program on "Computer Organization and Architecture in Industry Perspective" organized by NWC department from 20th to 25th of September, 2021.

S. Sindhu
- Paper name: Architectural framework for Multi sensor Data fusion and validation in IoT Based system,
  10th IEEE International Conference on Communication Systems

Dr. S. Sivasankari
- Examination Reforms Workshop (Dec 13 to Dec 17)
- NVIDIA GTC – Session attended GTC 2021 – Keynote -November

Guest Lecture/ Keynote talk

Dr. M. Lakshmi
- Delivered Given a expert talk on title "Role of AI in Cooperative 5G Network" on AICTE-ISTE Refresher Program on Artificial Intelligence in Cooperative Noma (5G) Network from December 21-27, 2021 conducted by Department of Electronics & Communication, Poornima College of Engineering, Jaipur, Rajasthan

Dr. G Vadivu
- Delivered Workshop Webinar on Data Science Applications for ATAL workshop organized by Paavai Engineering College

Dr. Rajeswari
- Delivered lecture on "Microsoft SSIC" for Data analyst batch in Mr. Cooper - In house talent building on 18/12/2021.
- Acted as reviewer on International Conference on "Artificial Intelligence for sustainable applications", organized by Department of Information Technology, PSG College of Technology, Coimbatore during 16-18 december 2021.

Dr. R. Rajkumar
- Delivered a seminar on Emerging to BNMIT College, Bangalore.
- Delivered a session for AICTE sponsored webinar on deep learning at Sai Ram Engineering College
- Delivered placement webinar to SRMIST school of computing students

Jeeva S
- Three days- SKILL BASED LEARNING Series sesssion on the Title is "Computer Vision with Deep Learning and Machine Learning- Object Tracking using Computer vision and Machine Learning" is scheduled on 23rd, 30th October and 12th, November 2021, Department of Electronics and Communication Engineering, Amrita school of Engineering, AMRITA VISHWA VIDYAPEETHAM, Chennai Campus

Dr. S. Sharanya
- Delivered webinar at Nandha College of Engineering
- Delivered a webinar on social network analysis at Karpagam Institute of Technology

Cycle Rally Programme supported by DSBS Association

Featured in TV News

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
UNNAT BHARAT ABHIYAN

**AWARENESS CYCLE RALLY ON
SINGLE USE PLASTICS**

Inauguration & Flag Off
Tmt. S. LAKSHMI., M.Com
Commissioner, Maraimalai Nagar Municipality

Felicitation
Dr. M. LEENUS JESU MARTIN
Director (Campus Life)
SRM Institute of Science and Technology

Convenor
Dr. V. THIRUMURUGAN
Associate Director (Campus Life)
Unnat Bharat Abhiyan Nodal Officer
SRM Institute of Science and Technology

Co-ordinators

Dr. P. SUPRAJA
Associate Professor
Department of Networking and
Communications

Dr. R. RAJKUMAR
Assistant Professor
Department of Data Science and Business Systems
SRMIST

Date : 18th December 2021 (Saturday)

Time : 7.00am

Place : Near Clock Tower

All are welcome

SCHOOL OF COMPUTING

Network without Borders

Designated patners:
Dr. N.Parthiban (DSBS) , Dr.V.Kavitha (DSBS)

BOUNDRYLESS NETWORKS" "Network Without Borders (NWB), a prolific multitude of erudite scholars that joyously welcomes professionals across the world for collaborative research and works contentedly towards the below mentioned. Engineering research towards advancing technology Directing growth and development of bilateral research activities Serving as an open-platform for the judicious upbringing of state-of-the-art ideas and projects. Constructing collaborative project proposals in trending computing domains. Facilitating work in a cross-cultural environment across multiple fields of study Creating unique opportunities to experience international expertise for aspiring researchers". https://tinyurl.com/zwer3a

BrainwaveS- Neuro rehab Solutions and Research Pvt Ltd

Designated patners:
Dr. S. Bhasi (Medical) , Dr. A. Sridhar (EIE), Dr. R. Rajkumar (DSBS)

It is a medical technology startup working with applications of virtual reality in neuropsychological rehabilitation. The Vision is delivering state of art, evidence based and cost effective interventions in neuropsychological rehabilitation. Pre- incubated by SRM Innovation and Incubation cell and IITMIC. An alumni Mr. Ankit Sahoo and three full time interns Shouhardik Sahoo, Prathyusha and Harikrishna from 3rd year School of Computing students are appointed from SIIC.

ACU grants and QECS calendar

The Association of Commonwealth Universities

2022

Week of opening	Funding	Description
21 March 2022	Higher Education and the SDGs Challenge Grants	Grants for professional and academic staff at ACU member universities to support collaborative work focused on the Higher Education and the SDGs Network's priority themes.
28 March 2022	Queen Elizabeth Commonwealth Scholarship - cycle 2 2022-23	Open to applicants from any Commonwealth country, the scholarships provide a unique opportunity to study for a two-year Master's degree at an ACU member university in a low or middle income country.
4 April 2022	ACU Fellowships	Fellowships for academic and professional staff at ACU member universities to promote the exchange of knowledge, skills, and ideas between members.
11 April 2022	Peace and Reconciliation Network Grants	Grants for professional and academic staff at ACU member universities to support collaborative work focused on the ACU Commonwealth Peace and Reconciliation Network's priority themes.
25 April 2022	Virtual Mobility Project Grants	These grants provide funding for ACU members to deliver a virtual mobility project – such as an online summer school – in partnership with another ACU member university.
9 May 2022	Routledge Commonwealth Studentships	The PhD studentships provide funding for research projects on Commonwealth-related themes.
30 May 2022	Martha Farrell Memorial Fellowships	Fellowships for staff training and support for effective anti-sexual harassment initiatives at their home university.
20 June 2022	HR in HE Community Challenge Grants	Open to staff working in the area of human resources, the HR in HE Community Challenge Grants support the essential work of HR within universities and the aims of the HR in HE

Further Details
https://www.acu.ac.uk/funding-opportunities/view-all/
Dr. Kartar Singh
Director, International Relations
SRM Institute of Science & Technology
Phone: 044-27456701; 27417251
director.ir@srmist.edu.in

Congratulations.!!

1. Coding Ninja's Ideathon

Team: Deepak Kumar – Team Lead (II Yr – BCT – U2)
 Aditya Jain (II Yr – BCT – U2)
 Abhivansh Bhatnagar (II Yr – BCT – U2)
Title: Improving Public Distribution System of India with the help of Blockchain, IoT and Machine Learning
Position: First
Prize: Winner Certificate and Schwags (Tshirts of Coding Ninjas)
Date: 11th July 2021

Congratulations.!!

2. Resonate by Microsoft Learn Students Ambassador, SRM Campus

Team: Deepak Kumar – Team Lead (II Yr – BCT – U2)
 Aditya Jain (II Yr – BCT – U2)
 Abhivansh Bhatnagar (II Yr – BCT – U2)
 Ayushya Jain (II Yr – CSE – A1)
 Sreyom Sresaan (II Yr – CSE – A1)
Title: WriteUp providing a secure platform for journalists to post media items anonymously and without censorship (Technology used: Blockchain and IPFS)
Position: Top 10 in overall
Prize: Certificate and Schwags
Date: 21st September 2021

Congratulations.!!

3. DevFest by Birla Institute of Technology, Goa

Team: Deepak Kumar – Team Lead (II Yr – BCT – U2)
        Aditya Jain (II Yr – BCT – U2)
        Ayushya Jainn (II Yr – CSE – A1)
        Sreyom Sresaan (II Yr – CSE – A1)
        Abhay Lal (II Yr – CSE – A1)
Title: A secure file sharing application using Encryption, Blockchain and IPFS
Position: Best Blockchain Project

Prize: Cash 15000 INR and Certificate

Date: 30th October 2021

Congratulations.!!

4. Buidl It organized by Polygon Technology (India's Biggest Web 3.0 Hackathon)

Team: Deepak Kumar – Team Lead (II Yr – BCT – U2)
        Aditya Jain (II Yr – BCT – U2)
        Abhivansh Bhatnagar (II Yr – BCT – U2)
        Sreyom Sresaan (II Yr – CSE – A1)
        Ojas Sinha (II Yr – CSE – A1)
Title: A full stack Blockchain Gaming project with WebApp, PhoneApp on Chess (Technology used: Web 3.0, IPFS, Blockchain, NFTs)
Position: Second Position for best implementation of FileCoin + IPFS
        Third Position for Community Choice Project
**Prize: Community - 2000 USD and Schwags
        Implementation – 250 USD**

Date: 23st December 2021

Congratulations.!!

5. Vinci Di Ui -- UI/UX contest

Contest name : Vinci Di Ui Organsied By Mlsa Srm

Student Name – Pradeep Kumar Yellapu (RA1911042010061)

Position – 1st

Prize - Amazon voucher for 1500 and other technical utilities
Date – 5/7/2021 to 10/7/2021

Congratulations.!!

6. Web Developer Internship at Sakhyaa

Student name – Shravan Suresh (RA1911042010062)

Company Name - Sakhyaa (Startup)

Role - Web Developer

Rank - 4

Congratulations.!!

SRM University Exam Performance Based Scholarship (2020-21)

Student Name – Shravan Suresh (RA1911042010062)

CGPA - 9.80

Amount – Rs 51250/-

Internship Offers

Five third year CSBS students received internship offer for 6 months from National Institute of Wind Energy, Velachery, Chennai. Students are working on the project titled "Development of Long-term wind speed forecasting Model". with the Faculty mentor Dr. A. Shobana Devi.

Ashwin Subra S

Anjali.S

Sanjana

Ayshwarya

Sneha

Internship Offers

a. Internship @ Larsen & Toubro (L&T)
    DATA ENGINEER INTERN
(15th Nov2021-15th Dec2021)
· Extracted, transformed and loaded data from multiple sources (500+) of API
· Converted JSON data from API into CSV; CSV into database using Python
· Connected to the main technical team and automated the entire process manually

b. VRNA Media
    DEVELOPER INTERN
(1st Nov2021 - 31st Dec2021)
· Devised unit 5 test cases for the app and enhanced user satisfaction by an average of 20%
· Orchestrated code quality and developer automation improvement for all applications
· Translated requirements into applications with 15% less bugs than company average
· Collaborated closely with 11 UI designers to achieve high usability scores than in past
· Managed project plans to support on data creation, adhering to 100% project timeframe

c. Tata Consultancy Services (TCS)
    MARKET RESEARCH ANALYSIST INTERN
· Analyzed the effectiveness of Info commercial and commercial services used by TCS
· Conducted market research and market analysis to formulate expansion strategies
· Headed the team as the "Point of Contact" between 20+ interns and the organization
· Audited 10+ functional and technical application documents issued by the in-house teams
· Oversaw day-to-day project coordination, planning, and implementation across verticals

d. The Right Companion
    SOCIAL MEDIA MARKETING INTERN
(1st Sep2021 - 1st Oct2021)
· Developed targeted social media campaigns to expand the customer base of the firm by 3%
· Organically increased the social media visibility by almost 2 times in a span of 3 months
· Revamped Company's blog by coordinating with 20+ clients to gather feedbacks on services
· Charted 50+ posters coordinating with the design team and maintained brand innovation

Sneha T
(RA1911042010025)

Krayonnz - An Ed-tech Startup
Role : UI/UX designer
Stipend: 6k/month
(Duration: Aug 11 - Nov 30)

- Conducting usability testing
- Creating wireframes, storyboards, sitemaps and screen flows
- Creating product prototypes
- Analyzing user feedback and activity, and iterating to enhance the user experience
- Assisting with content development
- Conducting competitor and customer analysis

Pradeep Kumar Yellapu
(RA1911042010061)

PLACEMENT NEWS

As on 5th January 2022
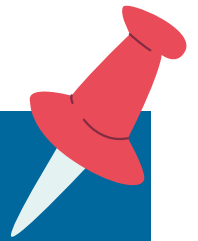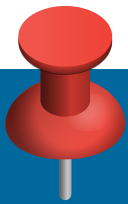
The Department of DSBS is continuing the placement and internship Statistics as follows

Marquee : 7

Super dream: 31

Dream: 24

number of students with multiple placements: 50

Number of placements: 154

Higher education opportunities in Abroad

Universities worldwide have seen a constant rise in the number of Indian students enrolling for a degree away from their home country.

The main reason behind their choice is the fact that the Indian job market appreciates a degree from a top international university more compared to an Indian's Bachelor's or Master's degree. Additionally, universities from several countries provide top quality higher education, far better facilities and most importantly, focus more on research than Indian universities. So, which are the best countries to study abroad? Let's explore.

Mr. B. Ravin Lokesh
Director
Reya Consultancy

Study in Canada

• Secured & student-friendly environment! Canada is listed among the Top-10 safest countries in the world
- Affordable cost of living and nominal tuition fees
- Internationally recognized universities with inclined focus on researches across verticals
- Post-study visa for up to 1-3 years based on your choice of education
Academic Intakes
Fall - September Winter - January
Application Deadlines
December-March · July – September

Study in the USA

- 4000+ topnotch American Universities give you boundless education options across various disciplines
- Convenient scholarship programs welcoming applications from international students
- Ample time to discover your interests and zero in on a Subject Major. Also enjoy course customization as per your academic interest
- Seamless post-study visa processing for up to 3 years upon STEM courses, and 12 months upon business courses

Academic Intakes
Fall - August or September · Spring - January or February

Application Deadlines
October to December of previous year till February March
July to September of previous year

Study in UK

- Much revered education standards with huge acceptance smong elite companies and global universities
- Easy to take up part-time jobs/internships to earn a sum and strengthen your profile
- Most UK Universities do not mandate GRE or GMAT and rather look for IELTS/TOELF scores
- UK has shorter UG and PG courses as compared to other countries
• Post study visa for up to 2-4 years based on your choice of education
- Lesser tuition fees as UK has slashed course durations

Academic Intakes
Fall - September • Spring - January or February

Study in Australia

- Australia houses a number of thriving Top 50 Universities in the World
- Accepts Indian applicants with 12+3 years of education unlike USA and Canada
• Post study visa for up to 2-4 years based on your choice of education
• Take up part time jobs for up to 40 hours in 15 days on college days, and in full-time during vacation
• Simplified Visa rules and PR options available for students post study

Academic Intakes
Major Intakes: February/July, or March/August
Minor intakes: October/November, or April/May

Study in Ireland

- Study at the most friendly, and most peaceful country on earth with the serene views of the green countryside
- It's an English-speaking European nation which makes it an easy ride without any communication barrier
- Abundant internship opportunities to give you hands-on experience in your field right while studying
- Go, grab your 2-year post-study visa right after completing 1-year education in Ireland
European Headquarters to some of the successful world-renowned IT and Pharma companies

Academic Intakes
Fall: September / October

Stay back options are available for various countries

Canada - 1 to 3 years based on Course selection
UK - Post study students can work for 2 years
Australia - post study 3 years stay back option

Need More informations:+91 9840087880
E-Mail: lokesh@reyaconsultancy.com

Hello,

My Fellow Shipmates and Friends,

Sailing on the same ship as a new organza armed with a fabric of data about Academic gear, Research growth and innovative excellence is phenomenal about Data Chronicle.

We do not even remember what last week we did and which day our minds were wet. We wanted to remain relevant to the DSBS community with a pinch of salt by knowing MRAM Technology, Digital lead of 6G in telecom diary, Neuralink's implant chips in human brains, Deep fake's new diversion with blurry eyed online chats and email exchanges of drowsy net browsing.

We encourage contributions of all kinds, from students to faculty. We will expand our horizons to include sports features, news opinions, designs, business and distribution of innovative thoughts.

Some of the very exciting articles are going to be ahead so as to realize "What We are Playing for" or "Like to Know Your Professor" and "Find Your Domain to Sail".

Let us pull resources and launch projects which will then be published as papers and patents and become products which will be useful to the living community. We too encourage Dissenters shape ourselves every time, when our direction tilts.

As we sleep every day, data never sleeps.

Be infographic as the internet creates 2.5 Quintillion bytes of data every day.

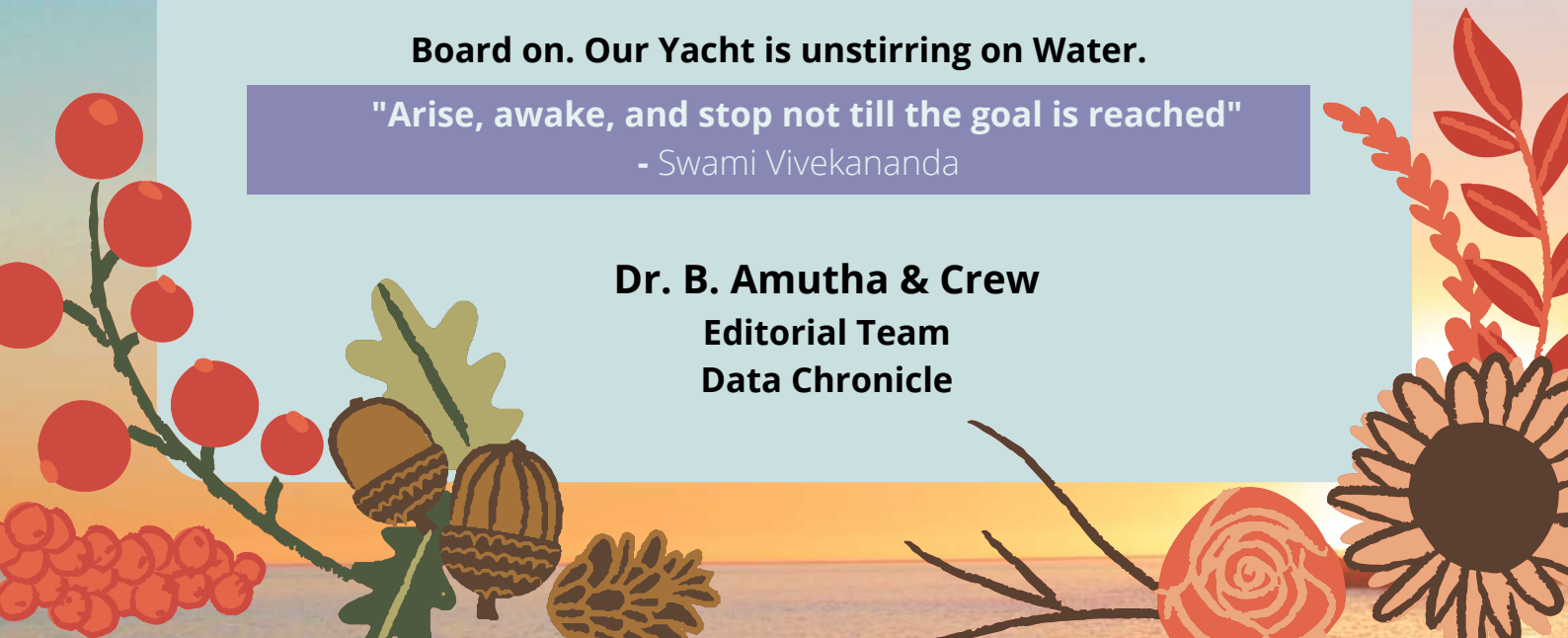**Board on. Our Yacht is unstirring on Water.**

"Arise, awake, and stop not till the goal is reached"
- Swami Vivekananda

Dr. B. Amutha & Crew
Editorial Team
Data Chronicle

EDITORIAL TEAM

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

Newsletter Head

Dr. B Amutha
Professor
School of Computing

Faculty Team

Dr. P. Saravanan
Assistant Professor
DSBS - School of Computing

Dr. R. Rajkumar
Assistant Professor
DSBS - School of Computing

Student Team

Ditipriya Ganguly
3rd year CSBS

Aransha Rajak
3rd year CSBS

Nikhil unnikrishnan
3rd year CSBS

Shivaraman Ramakrishnan
3rd year CSBS

அதிகாரம் 4 - அறன் வலியுறுத்தல்

குறள் 522:

விருப்பறாச் சுற்றம் இயையின் அருப்பறா
ஆக்கம் பலவுந் தரும்.
- திருவள்ளுவர்

Explanation:

ஒருவனுக்கு அன்பு நீங்காத சுற்றம் மட்டும் அமைந்து விடுமானால், அவனுக்கு அது வளர்ச்சி குறையாத செல்வங்கள் பலவற்றையும் கொடுக்கும்.

Transliteration:

The gift of kin's unfailing love bestows
Much gain of good, like flower that fadeless blows.

- Tiruvalluvar (2000 Years ago)

DATA CHRONICLE

OFFICIAL NEWSLETTER
DEPARTMENT OF DATA SCIENCE AND BUSINESS SYSTEMS | SOC | SRMIST

EDITORIAL TEAM

4TH FLOOR, UNIVERSITY BUILDING, SRMIST

Contact: dsbsnews@gmail.com
https://fliphtml5.com/homepage/cgyxk