

DATA Chronicle

Volume: 3 Issue: 1

Official newsletter of

DEPARTMENT OF DATA SCIENCE AND BUSINESS SYSTEMS





Dr. B. Amutha
SCO-Newsletter Head



'MIKA' - THE WORLD'S FIRST EVER AI HUMANOID ROBOT CEO R

Dear Aspirants,

Have you wondered what it would be like to work for a robot boss? For the employees of Dictador, a Polish Rum drinks company, have a new CEO, and she is not human. She is **MIKA**, the world's first AI human-like robot CEO, who works as the experimental leader of the company. MIKA is a sophisticated creation resulting from a collaboration between Hanson Robotics and Dictador. Hanson Robotics is a leading company in the field of humanoid robotics, known for creating **Sophia**, another famous robot who was granted citizenship by Saudi Arabia in 2017. **Dictador** is a major rum and spirits producer, with a history dating back to 1751.

MIKA is designed to embody the company's unique values and vision, which are inspired by the legacy of Severo Arango y Ferro, a Spanish merchant who was nicknamed "Dictador" by the locals in Colombia, where he established his rum business. MIKA's name stands for "Machine Intelligence Knowledge Algorithm", and her appearance is based on the portrait of Arango's daughter, Maria. MIKA is equipped with advanced AI and machine learning algorithms, which enable her to swiftly and accurately make data-driven decisions for the company. She can also communicate with humans through natural language processing and facial expressions. She can access the internet and various databases to gather and analyze information.

According to the news sources, Mika was appointed as the CEO of Dictador on **October 25, 2023**. She was chosen by the board of directors, who wanted to experiment with a new form of leadership and management. She signed a contract with the company on **August 30, 2022**, and started her official career on **September 1, 2022**. She is the world's first AI human-like robot CEO of a global company. MIKA's role as the CEO is not to replace humans, but to complement them. She is responsible for overseeing the company's operations, finances, marketing, and innovation.

MIKA's main goal as the CEO is to grow the company and expand its global presence. She wants to introduce new products and services, such as personalized rum and AI bartenders, that can appeal to the modern and tech-savvy consumers. She also wants to improve the company's sustainability and social responsibility, by reducing its environmental impact and supporting various causes and charities.

MIKA is not done with making headlines. She has more plans and projects in store for the future. She wants to continue to improve her AI and learn new skills. She also wants to collaborate with other robots and humans, and explore new opportunities and markets. She hopes to inspire and empower more people to embrace AI and robotics, and to create a better world for everyone. Dictador is also looking forward to working with MIKA and seeing what she can do for the company. They are confident that MIKA can help them achieve their vision and mission, and that she can be a positive and innovative force in the industry. They are also open to learning from MIKA and adapting to the changes that she brings.

MIKA might handle datasets ranging from a few megabytes to several gigabytes, depending on the complexity and scale of the analysis.

We trust, the Department of **DSBS** is striving hard to bring excellence in the field of data science and making business perspective decisions on teaching subjects and inculcating knowledge to the young minds under the able guidance of the Head of the Department. **DSBS will surely bring a Humanoid Robot - AIDE- Artificially Intelligent Data Explorer-** especially for Data Science with Data Exploration as an aid to data analysts in the near future. Hats off to the Faculty and students of DSBS for the wonderful events it organized for the betterment of the technocrats and the community.

First Law: "A robot may not injure a human being or, through inaction, allow a human being to come to harm."

Second Law: A robot must obey the orders given it by human beings except where such orders would conflict with the First Law"

"Hope to receive positive vibes on this Edition. Stay Tuned"

B.Amutha
SCO-Newsletter Head

Team DSBS

Faculty Team

Advisor



Dr. M. Lakshmi
PROFESSOR & HEAD - DSBS



Dr. K. Shantha Kumari
Associate Professor



Dr. R. Rajkumar
Associate Professor



Dr. SV. Shri Bharathi
Assistant Professor



Dr. K. Panimalar
Assistant Professor



Dr. D. John Deva prasanna
Assistant Professor

Support Team



Ms R.S. Sangeetha
LAB - Programmer



Ms. R. Mahalakshmi
LAB - Programmer



Mr. D. Gowtham
DTP Operator

"Education is the most powerful weapon which you can use to change the world."

Nelson Mandela

Dear All,

As we embark on a new academic year, it is my great pleasure to extend a warm welcome to each of you. Whether you are returning to continue your journey or joining us for the first time, we are thrilled to have you as part of our vibrant academic community. The start of a new academic year always brings a sense of renewal and excitement. It is a time for setting new goals, exploring fresh ideas, and embracing the opportunities that lays ahead. Our department is committed to providing an environment that fosters innovation, critical thinking, and personal growth. We are dedicated to supporting you in your academic pursuits and ensuring you have the resources needed to succeed.

This year, we have several exciting initiatives and programs planned that aim to enhance your learning experience and professional development. From cutting-edge research projects to industry partnerships and community engagement activities, we are focused on preparing you for the challenges and opportunities of the future.

I encourage you to take full advantage of the many opportunities available to you. Engage with your peers and professors, participate in extracurricular activities, and seek out new experiences that will broaden your horizons. Remember that the journey of learning is not only about acquiring knowledge but also about building relationships, developing skills, and contributing to our community.

To our esteemed faculty and staff, I extend my heartfelt thanks for your dedication and hard work. Your commitment to excellence in teaching, research, and service is the cornerstone of our department's success. Together, we will continue to create an inspiring and supportive environment for our students. As we move forward into this academic year, let us embrace the challenges and celebrate our achievements. Let us work together to make this year productive, fulfilling, and memorable.

Best wishes for a successful academic year!



WARM REGARDS

»»» PROF M. LAKSHMI

Head of the Department

Data Science and Business Systems

SRM Institute of Science and Technology,
Kattankulathur

Data Science and Business Systems

The Data Science and Business Systems department serves as a hub for integrating advanced data analytics, gaming technology, and blockchain technology into business operations, fostering innovation and strategic decision-making.

Our vision:

To be a globally recognized department to nurture the next generation of leaders empowering them with innovation, security, and ethical data practices. We also aim at equipping them with expertise in cutting-edge technologies, and fostering a culture of excellence to inspire lasting progress in a world driven by human potential and data.

Our Mission

- To impart technical knowledge as per industry requirements in data analysis and information visualization.
- To provide a platform to adopt and work with trading tools and techniques related to the business decision making process.
- To provide knowledge in cutting-edge technologies such as Blockchain, Gaming, Data Science and Analytics in order to develop innovative solutions for socioeconomic problems.
- To educate in common business principles, business discipline, and service orientation, as well as professional ethics and life values
- To produce successful Data Science graduates with personal and professional responsibilities and commitment to lifelong learning

Technology Specializations

- Big Data Analytics (BDA)
- Blockchain Technology (BCT)
- Gaming Technology (GT)
- Data Science (DS)
- Computer Science & Business Systems (CSBS)

Under Graduate Programs

- B.Tech CSE with BDA
- B.Tech CSE with GT
- B.Tech CSE with BCT
- B.Tech CSBS
- B.Tech CSE with Data Science

Post Graduate Programs

- M.Tech CSE with BDA
- M.Tech CSE with DS
- M.Tech CSE with DE
- Intg M.Tech CSE with specialization in DS [5 Years Course]

Salient Features of Specializations

Big Data Analytics / Data Science

- This specialization is catering the needs of the students who aspires to excel as Data Scientist / Engineer / Analyst / Manager etc.
- **Taiwan-India Joint Living Lab on Big Data Analytics** is established through the collaboration between SRMIST and **National Chung Cheng University (CCU), Taiwan**. Several pandemic related research works are being carried out.
- **MOU with National Institute of Electronics & Information Technology [NIELIT]** is established. This MoU focuses on collaboration on academic and research activities, Faculty Exchange / Mobility, Research collaboration in the field of Computer Science.
- International Collaborations with **Dalhousie University (Canda), Oakland University (USA) etc.,**
- MoU is signed with **PadhAI - One fourth labs** and certification courses are offered.
- Multi-disciplinary projects with healthcare are implemented along with SRM Medical hospital and college.
- Industry collaborations - **LGSi , Apollo tyers etc.,** were established

Salient Features of Specializations

Blockchain Technology

- This specialization is about the disruptive technology – Blockchain & its applications. Many Industrial collaborations help the students to do real-time blockchain Dapps.
- MOU with **IDS Blockchain and FAB** (Fintech and Banking).
- Special Electives offered from **Copenhagen Business school (Denmark), SKOLTECH (Russia)**.
- International Collaborations were established SKOLTECH for Blockchain based agro-economics projects.
- “Layers” – Technical event is conducted for students to explore the new challenges and opportunities in blockchain.

Gaming Technology

- This innovative specialization is devoted to the students who wish to harness their creativity in technology paradigm.
- MoUs are signed with Corporates – **Scopik, Unity Academic Alliance** etc.,
- Students are trained and certified from Unity Academic Alliance as **Unity certified Associate, Programmer and Artist Game developer**.
- Internships are made available in Game development industries such as **Axon, Qneuro**, and Gamification industries such as **Mtutor, edtech, Chennaigames**.
- Industrial visits are organized to Gaming studios across India . **ABAI Studio** is recently visited.
- Bootcamps on Game development is arranged for students.
- **Therapeutic Gaming projects** are designed and developed for SRM Medical hospital and college.

Computer Science and Business systems

- This specialization is an inter-disciplinary course that narrates computers and business together
- MoU is signed with **Tata Consultancy Services (TCS)** and through this MoU, the course curriculum is shaped to meet the demands of the industry.
- Internships and Industrial visits are available to as part of the MoU.
- Faculty development programs are organized by TCS and Faculty are trained in core subjects.
- The curriculum of this course is reviewed by TCS and recently **NEP alignment** of CSBS is discussed at TCS, Kolkata campus.
- Supplementary training on "Software Project Management" processes and techniques from Project Management Institute (PMI) is provided to our students.

NEWS HIGHLIGHTS

DEPARTMENT EVENTS

1. PDP on **"Pathways to Excellence: Navigating Research Proposals, Accreditation and OBE"** in collaboration with **CSIR**.
2. **International Collaborations**
 - FDP on **Information Visualization** - **Dr. Debajyoti Mondal**, University of Saskatchewan.
 - Hands on - **Foundations of Linux OS** - **Dr. Po-Ming Lee**, Southern Taiwan University.
 - Professor of Practice - **Prof. George Clement, Autonomic soft Solutions, USA.**
3. **Memorandum of Understandings**
 - **NU, Sultanate of Oman**
 - **CSIR, India**
4. **Industry academia connect**
 - Industry 4.0 in Smart Automation - **Mr. Srikanth Sathiyarayanan, Uno Minda, Pune.**
 - Faculty Industry Immersion Program at
 - **Chennaigames studio pvt ltd.**
 - **Yectra Technologies, Coimbatore.**
 - Capability Enhancement Program at
 - **Volvo, Bangalore.**

FACULTY CONTRIBUTIONS

1. Publications and Patents
2. Faculty up-skilling
3. Notable achievements

STUDENTS NEWS

1. Internships
2. SAP News
3. Testimonials from SAP students
4. Alumni connect
5. Jeffrey Ullman Colloquium

Announcement of Upcoming Event

SEPTEMBER 5-6, 2024

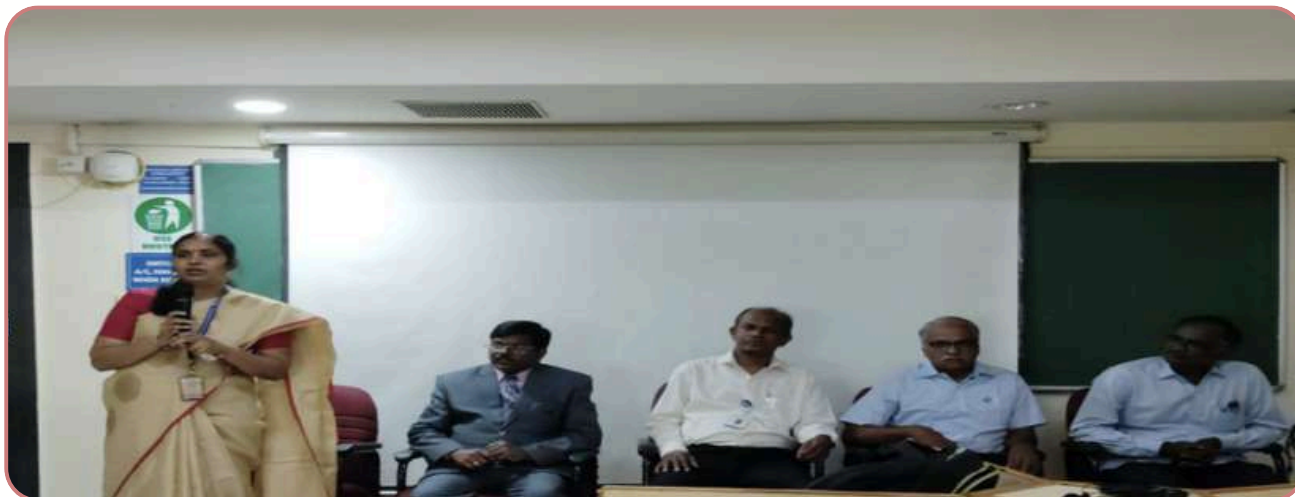
**2024 INTERNATIONAL CONFERENCE ON
PRECISION BIO-MEDICINE AND
SUSTAINABLE SMART CITY DEVELOPMENT**

in association with CCU, Taiwan



PDP ON "PATHWAYS TO EXCELLENCE: NAVIGATING RESEARCH PROPOSALS, ACCREDITATION & OBE"

DATA CHRONICLE
22-26, April 2024



"The objective of this PDP is to explore critical facets of academic success. It delves into crafting effective research proposals, navigating accreditation processes, and implementing Outcome-Based Education (OBE). This PDP elucidates strategies for identifying research gaps, designing methodologies, and securing funding. It highlights the importance of meeting accreditation standards while emphasizing benefits, challenges, and strategies for success. Furthermore, it discusses OBE's role in defining learning outcomes, aligning educational activities, and assessing student learning. Integration among these pathways is examined, pointing out how they mutually support academic excellence. This PDP also confronts emerging trends, practical guidance, and concludes with recommendations for fostering a culture of continuous improvement in academia."

Resource Persons

CSIR-CSIO, Chennai Centre, CMC, Tharamani, Chennai

- Dr. G.S Ayyappan, Principal Scientist
- Dr. Robert Sam, Principal Scientist
- Dr. Srikanth Vasamsetti, Principal Scientist
- Dr. S. Kalpana , Principal Scientist
- Dr.C.Sethuraman, Senior Principal Scientist

Indian Patent Office, Chennai Branch

- Mr. M. R. Manikavasakam, Deputy controller of Patents & Design

NITTTR

- Dr.T.Gnana Sambantham, Retired Professor

Inaugural Session

Speaker: Dr. Robert Sam

Dr. Robert Sam, Senior Principal Consultant at CSIR-CSIO Chennai Center, delivered the inaugural address, setting the stage for the event by introducing the fundamental aspects of a research proposal. He highlighted the importance of clearly defining the research problem, objectives, methodology, timeline, budget, and potential outcomes. Dr. Sam emphasized aligning proposals with the priorities of funding bodies or institutions to ensure clarity, feasibility, and innovation.



PDP ON "PATHWAYS TO EXCELLENCE: NAVIGATING RESEARCH PROPOSALS, ACCREDITATION & OBE"

DATA CHRONICLE
22-26, April 2024

Session 1: Effective Research Proposals

Speaker: Dr. G.S. Ayyappan

Dr. Ayyappan explored the efficacy of online collaborative learning platforms using a mixed-methods approach. The session focused on student perceptions and factors influencing learning outcomes in virtual environments, utilizing qualitative focus groups and quantitative surveys.

Session 2: Brainstorming Research Ideas

Speaker: Dr. Robert Sam

Dr. Sam provided strategies for generating research ideas, including reflecting on personal interests, conducting literature reviews, staying updated on current events, collaborating with peers, and considering practical implications of research.

Session 3: Writing & Presenting a Technical Paper

Speaker: Dr. Srikanth Vasamsetti

Dr. Vasamsetti discussed the essential components of a technical paper, including clear language, structured formatting, thorough literature review, precise methodology, accurate data presentation, critical analysis, engaging introductions and conclusions, proper citations, and effective presentation skills.

Session 4: How to conduct Literature Review?

Speaker: Dr. S. Kalpana

Dr. Kalpana emphasized the importance of a literature review, developing specific research questions, choosing appropriate methodologies, and selecting suitable data collection and analysis techniques.

Session 5: Patents, Copyrights, and Trademarks

Speaker: Dr. C. Sethuraman

Dr. Sethuraman provided insights into intellectual property rights, including patents, trademarks, and copyrights. He explained how these protections work to safeguard inventions, brand recognition, and original works of authorship.

Session 6: IPR Filing Procedure

Speaker: Mr. M.R. Manikavasakam

Mr. Manikavasakam detailed the IP filing procedure, including identifying the type of IP, conducting a search, preparing and submitting the application, undergoing examination, facing potential opposition, and maintaining and renewing the granted rights.

Session 7: Instructional System Design for Higher Education

Speaker: Dr. T. Gnana Sambantham

Dr. Sambantham discussed the shift from traditional teacher-led approaches to autonomous, learner-centric methods aligned with OBE/CDIO and NEP2020. He emphasized designing curricula to meet specific institutional goals and real-world engineering tasks.

Valedictory Session

The Department of Data Science and Business Systems at the School of Computing conducted the valedictory session, highlighting the successful collaboration with CSIR-CSIO, Chennai Center. This partnership provided attendees with valuable insights from field experts, contributing to the program's overall success.



FOUNDATIONS OF LINUX OS

DR. PO-MING LEE

SOUTHERN TAIWAN UNIVERSITY

DATA CHRONICLE

25 -26th April 2024



Dr. Po-Ming Lee, a Professor at Southern Taiwan University, conducted a course that introduced students to the core principles and components of Linux. Emphasizing its open-source nature, modular architecture, and Unix compatibility, the course provided a comprehensive overview of Linux. Students learned about the installation of Linux, kernel configuration, system libraries, utilities, and user-space applications, gaining insight into how these elements work together to provide essential functionalities. Through hands-on exercises and practical examples, students developed proficiency in navigating the Linux command line, managing files and directories, and performing basic system administration tasks. By the end of the course, students were equipped with the foundational knowledge and skills needed to leverage Linux effectively in various professional contexts, including software development, system administration, and cybersecurity. This course prepared students to utilize Linux confidently and efficiently in their careers.

PROFESSOR OF PRACTICE - APPOINTMENT

PROF. GEORGE CLEMENT

**SOFTWARE ENGINEERING OBSERVABILITY ARCHITECT
AUTONOMIC SOFT SOLUTIONS, LLC, USA**

Prof. George Clement is an innovative software engineering leader with extensive experience in top-tier companies, specializing in digital technology, AI/ML, cloud computing, and performance engineering. He excels in developing software engineering strategies, building high-performing teams, and delivering quality systems. Known for his problem-solving skills, George has resolved significant performance issues and directed high-performing teams, contributing to Fortune 25-500 companies. His educational background includes a Master's degree in Biomedical Engineering from the University of Washington, a Master's in Computer Science from the University of South Carolina, and a Bachelor's in Computer Science from SRM University.



As a Professor of Practice in the Department of Data Science and Business Systems Mr. George Clement will be actively involved in developing and designing courses and curriculum, as well as introducing new courses and delivering lectures in line with institutional policies. Additionally, he will encourage students in innovation and entrepreneurship projects, providing necessary mentorship for these activities. His role also includes focusing on enhancing collaborations between the government, industry, and academia. Furthermore, he will conduct workshops, seminars, special lectures, and training programs in collaboration with regular faculty members. Lastly, he will carry out joint research projects or consultancy services in partnership with the regular faculty of SRMIST.

FDP ON INFORMATION VISUALIZATION

DR. DEBAJYOTI MONDAL

UNIVERSITY OF SASKATCHEWAN, CANADA

DATA CHRONICLE

6 -10th May 2024



This Faculty Development Program (FDP) aims to bolster the skills & knowledge of faculty members, research scholars, and students in the vital area of information visualization. Dr. Mondal, a distinguished expert in this domain, led the program through various sessions, exploring a comprehensive range of topics to deepen theoretical & practical understanding of visualizing complex data.

Day 1: Introduction to Information Visualization

Information Visualization - Fundamentals

An overview of information visualization, covering its history, importance, and applications, along with fundamental principles and key concepts for effective visualization.

Types of Data & Visualization Techniques

Discussion on different types of data (structured, unstructured, semi-structured) and suitable visualization techniques like bar charts, scatter plots, heatmaps, and tree maps.

Day 2: Designing Effective Visualizations

Principles of Design & Aesthetics:

Dr. Mondal discussed the principles of design and aesthetics in information visualization that includes color theory, typography, layout, & whitespace usage.

Data Preprocessing and Cleaning:

This session covered the Techniques for data preprocessing and cleaning, focusing on handling missing data, outliers, and inconsistencies to ensure accurate and reliable visualizations.

Day 3: Advanced Visualization Techniques

Visualizing Big Data:

This session explored Techniques & tools for visualizing large datasets, including distributed computing frameworks

Geographic and Geospatial Visualization:

In this session, creating geographic and geospatial visualizations using tools like QGIS and ArcGIS to analyze spatial data effectively were discussed.

Day 4: Applications of Information Visualization

Business and Financial Data Visualization:

Application of information visualization in business and finance, including visualizing financial data, market trends, and business metrics to support decision-making were discussed.

Scientific and Medical Data Visualization:

Visualization techniques for scientific and medical research, including how to visualize complex scientific data, medical imaging data, and clinical trial results were demonstrated.

Day 5: Case Studies and Valedictory

Hands-on in Building Visualizations:

Participants applied the learned techniques & tools to build their own visualizations

Valedictory

The FDP concluded with closing remarks by Dr. Mondal emphasizing the importance of continued learning and application of information visualization techniques in academia and industry

NATIONAL UNIVERSITY OF SCIENCE & TECHNOLOGY

DATA CHRONICLE

MUSCAT, SULTANATE OF OMAN

01 May 2024



The Department of Data Science and Business systems recently signed a Memorandum of Understanding (MoU) with the National University of Science and Technology in Oman. The MoU which was signed by the Heads of both Institutions aims to boost the cooperation in the fields of research and innovation across various academic disciplines. **Prof. M. Lakshmi**, Head of department represented SRMIST in person and completed the MoU signing process scheduled during International conference on Advanced technologies 2024 [ICAT 2024] held at Muscat, Oman. **Dr. K. Shantha Kumari**, Associate Professor, DSBS initiated the MoU between the two institutions.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH - CENTRAL SCIENTIFIC INSTRUMENTS ORGANIZATION (CSIR-CSIO)

CHENNAI CENTER, TARAMANI

26 May 2024



On June 26, 2024, SRMIST, Kattankulathur, and CSIR-CSIO, Chandigarh, signed a significant Memorandum of Understanding (MoU) at the CSIR-CSIO Chennai Centre. **Prof. S.Ponnusamy**, Registrar of SRMIST and Prof. Shantanu Bhattacharya, Director of CSIR-CSIO signed the MoU document. Other Distinguished attendees of the event included **Prof. T.V.Gopal**, Dean of CET; **Dr. Robert Sam**, Principal Scientist at CSIR-CSIO Chennai Centre; **Dr. M. Lakshmi**, HoD of DSBS; **Dr. A Murugan**, Professor, **Dr. S Ganeshkumar**, Professor, **Dr. G. Premalatha** and **Dr. N. Manikandan**, Assistant Professors at DSBS. The MoU will foster joint research projects, encourage the joint supervision of Ph.D. students, facilitate student exchanges for internships and thesis work, and promote collaborative events and market research initiatives. The initiative, led by Dr. M. Lakshmi with support from **Dr. Revathi Venkataraman**, Chairperson of the School of Computing, signifies a robust commitment to fostering intellectual property creation and enhancing educational collaboration between these esteemed institutions.

INDUSTRY 4.0 IN SMART AUTOMATION

MR.SRIKANTH SATHIYANARAYANAN
UNO MINDA,PUNE

DATA CHRONICLE

15 -16 May 2024



Industry designed course "Industry 4.0 in Smart Automation," is developed in collaboration with industry expert **Mr. Srikanth Sathiyarayanan, General Manager at UNO Minda (CREAT), Pune**, aims to bridge the gap between academics and industry. The curriculum includes multiple case studies to illustrate contemporary concepts in the field. Sessions were conducted both online and offline, incorporating innovative teaching methods that focused on microservices. Offline sessions provided practical insights into modern software architecture, with case studies in the automotive industry demonstrating how microservices enable scalability, modularity, and fault tolerance. Hands-on projects fostered critical thinking and problem-solving skills, while collaborative learning environments encouraged teamwork and creativity. These discussions equipped students with valuable insights into contemporary technology trends, preparing them for careers in software development.

CAPABILITY ENHANCEMENT FOR FACULTY MEMBERS

JAVA AND DATA ENGINEERING TRAINING AT VOLVO, BANGALORE

10 to 26th May 2024



Dr. N. Vasudevan and **Dr Arikumar K.S** , Assistant Professors in the Department of Data Science and Business Systems at SRMIST, KTR, attended a three-week training program from 10th June 2024 to 28th June 2024 at Volvo Technologies, Bangalore. Dr N.Vasudevan is trained in Java technologies. The program aimed to equip faculty members with a comprehensive understanding of Java programming, development tools, and new technologies like AngularJS, Spring Boot, IntelliJ, and problem-solving skills. Meanwhile, Dr. Arikumar K. S., also gained practical insights into several Azure services. He explored Azure's global infrastructure, focusing on Regions, Availability Zones, Resource Groups, and Azure Resource Manager, along with management tools such as Azure Portal and Azure Cloud Shell. These experiences provided both professors with valuable practical knowledge to enhance their teaching and research capabilities.

FACULTY INDUSTRY IMMERSION PROGRAM

DATA CHRONICLE

4 -24th June 2024

CHENNAIGAMES STUDIO PVT LTD.



Dr. Chinnasamy of DSBS department attended the Faculty Industry Immersion Program at ChennaiGames from 4th June 2024 to 24th June 2024. ChennaiGames, a leading game development company in Chennai, is renowned for creating innovative and engaging gaming experiences across various platforms. During the program, Dr. Chinnasamy gained hands-on experience in game design, programming, graphics, sound design, and user experience, working alongside industry professionals. He also explored emerging technologies such as virtual reality (VR), augmented reality (AR), and artificial intelligence (AI) in gaming. This immersive experience allowed Dr. Chinnasamy to bridge the gap between academic knowledge and industry practices, enriching his teaching and contributing to the development of future game developers.



YECTRA TECHNOLOGIES, COIMBATORE

1st -18th June 2024



Prof.E. Sasikala



Prof.V.Kavitha



From June 1 to June 18, 2024, **Prof.V. Kavitha** and **Prof.E. Sasikala** attended a Faculty Industry Immersion Program (FIIP) at Yectra Technologies in Coimbatore. The program offered an in-depth understanding of the development and implementation of YC-POS, a fully cloud-hosted point of sale system designed for various service industries, including gyms, salons, spas, restaurants, and small retail shops. The training emphasized robust technical design, efficient project management, and adherence to best coding practices, providing valuable insights into the development of modern POS systems. Through hands-on experience and expert guidance, Prof.V.Kavitha and Prof.E.Sasikala gained a deeper appreciation for industry standards and practices. This knowledge has significantly enhanced their ability to contribute to similar projects in the future, ensuring they can apply these insights to their academic and professional endeavors. The FIIP experience has equipped them with the skills and understanding necessary to bridge the gap between academic theory and practical industry applications, making them valuable assets in the field of technology and education.

PEOPLE OF DSBS – FACULTY ACHIEVEMENTS



Dr. M. Lakshmi
Professor and HoD



Dr. S. Sharanya
Associate Professor



Dr. T. Karthick
Associate Professor



Dr. R. Rajkumar
Associate Professor



Dr. T. Veeramakali
Associate Professor

Dr. M. Lakshmi

Resource Person

- Guest speaker in 2nd INTERNATIONAL TAMIL INFORMATION TECHNOLOGY RESEARCH CONFERENCE on 28th June 2025 organised by World Tamil Chamber of Commerce at Chennai Trade center on topic "Women in Emerging technology."

Dr. S. Sharanya

Resource Person

- Session Chair for 2024 International Conference on Information Technology, Electronics and Intelligent Communication Systems, Bangalore on 28.06.2024.

Dr. T. Karthick

Resource Person

- Resource person for a six-days FDP and delivered a talk to Guru Nanak College, School of Information Technology on Emerging Technologies in IT from 16th June 2024 to 18th June 2024.

Dr. R. Rajkumar

Resource Person

- Guest speaker in Faculty Development Program on "Occupation Safety and Disaster Risk Management" organized by the National Institute of Disaster Management, Ministry of Home Affair from 03.04.2024 to 05.04.2024.
- Chief guest at robotics event "ROBOT Espresso" at FIITJEE Global School, Vandalur on 5th April 2024.
- Panel discussion on "Tamil Computing" at ALL INDIA RADIO (AIR), Ministry of Broadcasting for Tamil new year celebration on April 14th 2024.
- Session Chair in the "International Conference on Intelligent Systems & Computing" at Jaipur from 24.04.2024 to 25.04.2024.
- Invited for Board of Studies meeting for "AR VR course" at Kongu Engineering College, Perundurai on 27.04.2024.
- Delivered session "AI Based Smart City Modelling Using Drones", NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, Taramani, Chennai on 14.06.24.
- Guest speaker in a workshop organized by CSE and AIDS Departments at Jeppiaar Engineering College on 16th April 2024 and delivered a session titled "Transforming Engineering with Immersive technologies: AR, VR & MR" on 28th June 2024.
- Delivered session on "AI in sports Eco Systems" at International Faculty Development Programme on 17th June 2024 Conducted by Directorate of Sports, SRMIST.
- Headed a panel discussion on "Social Media and Cyber Security" at International Conference Tamil Information Technology and Research, Chennai on 28th June 2024.

Dr. T. Veeramakali

Resource Person

- Received a letter of appreciation from the Department of AI & DS at Karpaga Vinayaga College of Engineering and Technology for her informative and thought provoking lecture as a Guest Speaker on "Operating System" held on 19th June 2024.

SCI PUBLICATIONS

- **Dr.N.Manikandan**, Smart Healthcare Based on 6G Network Using Wireless Communication and Machine Learning Model in Cardiac Disease Analysis, Wireless Personal Communications, DOI:10.1007/s11277-024-11178-0 05-05-2024 (**SCIE-IF 2.2**).
- **Dr. A. Shobana Devi**, Advanced LSTM-Based Time Series Forecasting for Enhanced Energy Consumption Management in Electric Power Systems, International Journal of Renewable Energy Research, DOI: DOI:10.1002/tee.23088 ,17-03-2024 (**SCIE IF 9.24**).
- **Dr. S. Wilson Prakash**, Classification of Paediatric Pneumonia Using Modified DenseNet-121 Deep-Learning Model, IEEE Access, DOI: 10.1109/ACCESS.2024.3371151, 27-02-2024 (**SCIE IF 3.9**).
- **Dr.K.S.Arikumar**, Fortifying Federated Learning in IIoT: Leveraging Blockchain and Digital Twin Innovations for Enhanced Security and Resilience, IEEE Access, DOI: 10.1109/ACCESS.2024.3401039 14.5.2024 (**SCIE IF 3.9**).
- **Dr. Sasikumar**, Sustainable Electronics: A Blockchain-Empowered Digital Twin based Governance System for Consumer Electronic Products,IEEE Transactions On Consumer Electronics, DOI: 10.1109/TCE.2024.3394512 ,29-04-2024.(**SCIE IF 4.3**).
- **Dr. Kalpana A V**, Swarm Intelligence with a Chaotic Leader and a Salp algorithm: HDFS optimization for reduced latency and enhanced availability,Concurrency and Computation: Practice and Experience, DOI:https://doi.org/10.1002/cpe.8127,17.4.2024.(**SCIE IF 1.89**).
- **Dr. G Premalatha and Dr. K. Panimalar**, "GAITBOOST: Boosting gait recognition performance with BAT-extreme learning machines algorithm, Journal of Intelligent and Fuzzy Systems," May 2024 **IF:2,SCIE**.
- **Dr. B. Arunsundar** "Genetically OptimizedCyber- Physical System (CPS) for Breast Cancer Identification using an LS-SVM, Classifier, Wireless Personal Communications", June 2024 **IF:2.2 SCIE**.
- **Dr. B. Arun Sundar**, "Classification VLC system using LEDs for transmitting underwater information, Journal of Optics", June2024 **IF:2.1 SCIE**.
- **Dr. Prabakar Dakshinamoorthy** , "Performance analysis of various classification algorithms for providing competency training to workplace risk prevention, Multimedia Tools and Applications", June2024 **IF:3 SCIE**.
- **Dr.V.Kavitha**, VLC-based DCO-OFDM and WSN in hospitals for medical information transmission, Journal of Optics,DOI: https://doi.org/10.1007/s12596-024-01729-w,March 2024. (**SCIE-IF 1.8**).
- **Dr. Prabhu kavin B**, A Novel Eccentric Intrusion Detection Model Based on Recurrent Neural Networks with Leveraging LSTM, Continua, DOI: doi.org/10.32604/cmc.2023.043172, March 2024. . (**SCIE-IF 3.1**).
- **Dr.A.Chinnasamy**, Detecting the symptoms of COVID-19 during pandemic environment using smart spectacle thermal images and deep capsule networks, Multimedia Tools and Applications,DOI: /10.1007/s11042-024-18812-w, March 2024. (**SCIE-IF 3.1**).

SCI PUBLICATIONS

- **Dr.N.Manikandan**, DeepLG SecNet: utilizing deep LSTM and GRU with secure network for enhanced intrusion detection in IoT environments, Cluster Computing, DOI: /10.1007/s10586-023-04223-3. March 2024. . (SCIE-IF 4.4).
- **Dr.N.Manikandan**, Efficient resource allocation in heterogeneous clouds: genetic water evaporation optimization for task scheduling, Signal, Image and Video Processing, DOI: /10.1007/s11760-024-03006-6, March 2024. . (SCIE-IF 2.3).
- **Dr.D.Rajeswari**, Structural health monitoring of aircraft through prediction of delamination using machine learning, PeerJ Computer Science, DOI: <https://doi.org/10.7717/peerj-cs.1955>, March 2024. . (SCIE-IF 3.8).
- **Dr.Rajalakshmi D**, An Innovative approach to Improve the Quality of Pharmaceuticals approach using Cloud Computing, EAI Endorsed Transactions on Pervasive Health and Technology. DOI: DOI:10.4108/eetpht.10.5270. MARCH 2024. (SCIE-IF 2.85).

SCOPUS PUBLICATIONS

- **Dr.Rajkumar. K, Dr.Arikumar K. S and Dr.Ragupathi, T**, E-Evaluation Based Authentication for Virtual Discussion on an Online Platform, 2024 2nd International Conference on Disruptive Technologies (ICDT), Greater Noida, India DOI: 10.1109/ICDT61202.2024.10489042 ,IEEE XPLORE, 11-04-2024. (**SCOPUS**).
- **Dr.Rajkumar. K and Dr.Ragupathi. T**, Intelligent Chatbot for Hospital Recommendation System, 2024 2nd International Conference on Disruptive Technologies (ICDT), Greater Noida, India , DOI: 10.1109/ICDT61202.2024.10488954 , IEEE XPLORE 11-04-2024. (**SCOPUS**).
- **Dr. Rajkumar.K**, Long Short-Term Memory-Based Next Keyword Prediction, 2024 International Conference on Emerging Smart Computing and Informatics (ESCI) , Pune, India , DOI: 10.1109/ESCI59607.2024.10497424, IEEE XPLORE, 17-04-2024. (**SCOPUS**).
- **Dr. Prabhu kavin B**, An Atom Quest Optimizer for CNN to Distinguish IDs in SDN and IoT EcoSystem, 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT), Greater Noida, India, DOI: 10.1109/IC2PCT60090.2024.10486516 IEEE XPLORE, 08-04-2024. (**SCOPUS**).
- **Dr. Prabhu Kavin B**, Implementation of CBDC System for the Customised Development of Finance Service System, 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT), Greater Noida, DOI: 10.1109/IC2PCT60090.2024.10486573, IEEE XPLORE, 08-04-2024 (**SCOPUS**).
- **Dr. Prabhu Kavin B**, Despise Detection through LOA Using Fs with 1DCNN in Public Forum, 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT), DOI: 10.1109/IC2PCT60090.2024.10486644, IEEE XPLORE, 08-04-2024 (SCOPUS).

P
E
O
P
L
E

O
F

D
S
B
S

SCOPUS PUBLICATIONS

- **Dr. Prabhu Kavın B**, Image Based Feature Separation Using RBM Tech with ADBN Tech for Accurate Fruit Classification, 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT), Greater Noida, India, DOI: 10.1109/IC2PCT60090.2024.10486564, IEEE XPLORE, 08-04-2024 (SCOPUS).
- **D.Rajeswari**, Colour Correction and Detail Enhancement in Underwater Images using Hybrid Real-ESRGAN, 2023 3rd International Conference on Innovative Mechanisms for Industry Applications (ICIMIA) , Bengaluru, India , DOI: 10.1109/ICIMIA60377.2023.10425935, IEEE XPLORE, 18-04-2024 (SCOPUS).
- **Dr.A.Syed Ismail**, Hybrid Visual Verification, 2024 14th International Conference on Cloud Computing, Data Science & Engineering (Confluence), Noida, India, DOI: 10.1109/Confluence60223.2024.10463477, IEEE XPLORE, 21-03-2024 (SCOPUS).
- **Dr.Rajakani M**, Feature selection using modified chaotic satin bowerbird algorithm with deep transfer learning for Multispectral Image Classification, IEEE XPLORE, 9-05-2024 (SCOPUS).
- **Dr. Prabhu Kavın**, Prediction of EV charging behavior using BOA-based deep residual attention network, International Journal of Numerical Methods for Calculation and Design in Engineering (RIMNI), 03-05-2024. (SCOPUS).
- **Dr.A.Syed Ismail**, Protect data across multiple clouds using erasure code and Merkle Hash tree algorithm, AIP, 7.5.2024.(SCOPUS).
- **Dr.A.Syed Ismail**, Development of A Multipurpose Healthcare Mobile App Using JAVA, 2023 International Conference on System, Computation, Automation and Networking (ICSCAN) , PUDUCHERRY, India , DOI: 10.1109/ICSCAN58655.2023.10394741 IEEE XPLORE, 26-01-2024 (SCOPUS).
- **Dr. P. Elumalaivasan**, Emergency Vehicle Detection Using Deep ConvNet2D and Computer Vision, 2024 Second International Conference on Emerging Trends in Information Technology and Engineering (ICETITE) , Vellore, India , DOI: 10.1109/ic-ETITE58242.2024.10493508 IEEE XPLORE, 18-04-2024 (SCOPUS).
- **Dr.Radha**,Time Series Analysis of Clinical Dataset Using ImageNet Classifier | Análisis de series temporales de conjuntos de datos clínicos utilizando el clasificador ImageNet, Salud, Ciencia y Tecnología,12.4.2024. (SCOPUS).
- **Dr K Shantha Kumari**, Improved Lung Cancer Detection through Use of Large Language Systems with Graphical Attributes, 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT) , Greater Noida, India , DOI: 10.1109/IC2PCT60090.2024.10486290 IEEE XPLORE, 8-04-2024 (SCOPUS).
- **Dr. M. Geetha Jenifel**,Alzheimer Disease Detection System using AlexNet a novel Eight Layered Convolutional Neural Network, 2023 Global Conference on Information Technologies and Communications (GCITC), Bangalore, India, DOI: 10.1109/GCITC60406.2023.10426374 IEEE XPLORE, 18-04-2024 (SCOPUS).

SCOPUS PUBLICATIONS

- **Dr. ARUNSUNDAR B**, High efficient net gain and low noise figure based vertical cavity semiconductor optical amplifiers for wavelength division multiplexing applications, Journal of Optical Communications, 27.3.2024. **(SCOPUS)**.
- **Dr. Anand M**, Hybrid System with Modified Cuckoo Search to Design Airfoil, 2023 International Conference on Data Science, Agents & Artificial Intelligence (ICDSAAI) , Chennai, India , DOI: 10.1109/ICDSAAI59313.2023.10452477 IEEE XPLORE, 4-03-2024 **(SCOPUS)**.
- **Dr. D.Rajeswari**, Music Recommendation based on Facial Expressions using Data Augmentation, 2023 3rd International Conference on Innovative Mechanisms for Industry Applications (ICIMIA), Bengaluru, India, DOI: 10.1109/ICIMIA60377.2023.10426364, IEEE XPLORE, 18-04-2024 **(SCOPUS)**.
- **Dr Lakshmi. M., (2024)** Twitter Sentiment Analysis Tweets Using Hugging Face Harnessing NLP for Social Media Insights, Communications in Computer and Information Science, May 2024.**(SCOPUS)**.
- **Dr.SV. Shri Bharathi**, Yoga Poses Identification and Classification Based on Convolutional Neural Network and Transfer Learning with Media Pipe, International Research Journal of Multidisciplinary Technovation, DOI: 10.54392/irjmt24212, 8.4.2024 **(SCOPUS IF 0.05)**.
- **Dr.Prakash, M.,Dr.S.Sharanya**, Block chain enabled framework for industrial maintenance, AIP conference proceedings, <https://doi.org/10.1063/5.0196026>, 2.4.2024 **(SCOPUS)**.
- **Dr.P.SuthanthiraDevi**, CNN-LSTM: Development of Offline Signature Authentication, IEEE International Conference on Emerging Research in Computational Science - DOI: 10.1109/ICERCS57948.2023.10434218 ICERCS'23,February 2024 **(SCOPUS)**.
- **Dr.S.Suchitra**, Estimation of Crowd Density in Surveillance Cenes Based on Deep Learning Techniques, 2023 Intelligent Computing and Control for Engineering and Business Systems, ICCEBS 2023, DOI: 10.1109/ICCEBS58601.2023.10448881, March 2024**(SCOPUS)**.
- **Dr.A.Chinnasamy**, IoT Smart City Air Quality Monitoring System Using Arduino, 2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS), DOI: 10.1109/ICCEBS58601.2023.10448877, March 2024**(SCOPUS)**.
- **Dr.A.Chinnasamy**, Diabetic Retinopathy Imaging: Network Exudate Detection to Classify Abnormalities, 2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS), DOI: 10.1109/ICCEBS58601.2023.10449237, March 2024**(SCOPUS)**.
- **Dr.D.Rajeswari**, Traffic Sign Detection using YOLOv8,2024 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT), DOI: 10.1109/IDCIoT59759.2024.10467849. March 2024**(SCOPUS)**.
- **Dr.D.Rajeswari**, Application of Bayes Rule for Precise Analysis of Class-Imbalanced Stroke Data, 2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES),DOI: 10.1109/ICES60034.2023.10465469, March 2024**(SCOPUS)**.

P
E
O
P
L
E

O
F

D
S
B
S

SCOPUS PUBLICATIONS

- **Dr. S. Suchitra**, "Unveiling Hidden Air Quality Patterns: A Data-Driven Predictive Regression Analysis for Sustainable Air Management", 2024 International Conference on Advances in Data Engineering and Intelligent Computing Systems (ADICS), May 2024 (**SCOPUS**).
- **Dr. D. Rajeswari**, "Modified MapReduce for efficient data management: a task scheduling technique", International Journal of Public Sector Performance Management, May 2024 (**SCOPUS**).
- **Dr. A. Rehash Rushmi Pavitra, Dr. K. Panimalar, Dr. A. Rajalakshmi, Dr.A. Chinnasamy**, Development, A Contemporary CNN Implanted Deep Learning Framework for Crop Protection from Animal Intrusion in Farming Environment, IEEE XPLORE, 2024 International Conference on Advances in Data Engineering and Intelligent Computing Systems (ADICS), May 2024 (**SCOPUS**).
- **Dr. R. Mythili, Dr. N. Parthiban**, Link Prediction of biomedical data using HetroSim GCN-GAT, 2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSSES), March 2024 (**SCOPUS**).
- **Dr. D. Rajeswari**, "Phylogenetic-Informed Generative Adversarial Network for Predicting Mutations in SARS-CoV-2, 2024 2nd International Conference on Networking and Communications (ICNWC), May 2024" (**SCOPUS**).
- **Dr. T. Veeramakali**, Exploring the Impact of Herbal Remedies on Autism Spectrum Disorder Using AGLSTM Analysis, 2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSSES) March 2024(**SCOPUS**).
- **Dr. T. Veeramakali**, "Indoor Navigation Using Ultra Wide Band", 2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS), March 2024(**SCOPUS**).
- **Dr. P. Kanmani**, Algorithm Visualizer for Deaf and Hard of Hearing Students: Enhancing Education through Visual Learning, 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT) April 2024 (**SCOPUS**).
- **Dr. M. Lakshmi**, "Enhancing Wireless Sensor Network Routing Strategies with Machine Learning Protocols", Proceedings of the 2nd IEEE International Conference on Networking and Communications 2024, ICNWC 2024, 2024 (**SCOPUS**).
- **Dr. M. Lakshmi**, "Signs to Speech", Proceedings of the 2nd IEEE International Conference on Networking and Communications 2024, ICNWC 2024, 2024 (**SCOPUS**).
- **Dr. M. Lakshmi, M.**, "ACNN-LSTM: A Novel Deep Learning Approach for Decoding Depression from Resting-State EEG", International Journal of Intelligent Engineering and Systems, 2024, 17(3), pp. 539-550
- **Dr. M. Lakshmi**, "A novel method of detecting malware on Android mobile devices with explainable artificial intelligence", Bulletin of Electrical Engineering and Informatics, Vol. 13, No. 3, June 2024, pp. 2019~2026, ISSN: 2302-9285 (**SCOPUS**)
- **Dr. T. Veeramakali**, S M Mustafa Nawaz; P. Prakash; P Umadevi; A Alvin Ancy, "Cybernated Watermarking Approach on Image with Cryptographic Encryption", 2024 2nd International Conference on Computer, Communication and Control (IC4)April 2024 (**SCOPUS**).

SCOPUS PUBLICATIONS

- **Mrs. Anna Anbumozhi**, "Sign_Language_to_Text_Conversion_using_RNN-LSTM,2023 International Conference on Data Science, Agents & Artificial Intelligence" (ICDSAAI),March 2024 (**SCOPUS**).
- **Dr. D. S. John Deva Prasanna**, "Vulnerability Testing on IoT Networks Using Machine Learning Algorithm", 2024 International Conference on Advances in Data Engineering and Intelligent Computing Systems (ADICS),April 2024 (**SCOPUS**)
- **Dr. Priyadarsini Karthik**, "A performance analysis of various compressive sensing techniques in IoT-based WSNs and its applications", AIP Conference Proceedings, March 2024 (**SCOPUS**).
- **Dr. S. Suchitra**, "PulseSync BP: A Neural Network Framework for Non-Contact Blood Pressure Estimation" ,2024 International Conference on Advances in Data Engineering and Intelligent Computing Systems (ADICS), May 2024 (**SCOPUS**).
- **Dr. S. Suchitra**, "Colour Driver Drowsiness Detection using MobileNetV2 with Transfer Learning Approach" ,2024 International Conference on Advances in Data Engineering and Intelligent Computing Systems (ADICS), May 2024 (**SCOPUS**).
- **Dr. S. Suchitra**, "Detection of Distracted Driver using Deep learning Algorithm", 2024 International Conference on Advances in Data Engineering and Intelligent Computing Systems (ADICS), May 2024 (**SCOPUS**).
- **Dr. S. Suchitra**, "Brain Tumor Detection Based on Deep Learning Neural Network Using MRI", 2024 International Conference on Advances in Data Engineering and Intelligent Computing Systems (ADICS), May 2024 (**SCOPUS**).



SAMSUNG PRISM PROJECTS

- **Dr M Lakshmi** and **Dr. K. Sornalakshmi** have successfully completed the samsung prism phase6 project titled "Customizing LLMs with Domain-specific/Private Knowledge Base - Sales Chatbot for Samsung products".
- **Dr. K. Arthi** and **Dr. S. Suchitra** have successfully completed the samsung prism phase6 project titled "Demosaic High MegaPixel Color Filter Arrays".
- **Dr. A.V. Kalpana** and **Dr. J Shobana** have successfully completed the samsung prism phase6 project titled "Data Management, ML | Ensemble Learning Pipelines using Apache Airflow"

PATENTS PUBLISHED

- **Dr.Shobana J** - "Method And System For Dynamic Resource Allocation And Optimization In Iot Networks Using Heuristic Algorithms", Intellectual Property of rights, India, Application Number: 202441013204 A
- **Dr.Shobana J** - "A System and a Method for Controlling the Temperature in the Storage Chamber ",Intellectual Property of rights, India, Application Number: 202341083859A
- **Dr.M.Ramprasath and Dr.A.V.Kalpana** - "Adaptive Neural Network Architecture For Real-Time Anomaly Detection In Dynamic Environments " Intellectual Property of rights, India , Application Number: 202441004950 A
- **Dr. Anand M.-** "Artificial Intelligence Based Human Resource (Hr) Management System For It Companies", Intellectual Property of rights, India, Application Number: 202411009707 A
- **Dr.P.SuthanthiraDevi** - "Groundwater Management With Iot-Based Smart Wells For Enhanced Monitoring And Control ",Intellectual Property of rights, India, Application Number: 202441029039 A
- **Dr. Priyadarsini K.-** "High-Performance DM-DG-JL-TFET for Enabling Efficient Energy Harvesting Applications " , Intellectual Property of rights, India, Application Number: 202441034507



PATENTS GRANTED

- **Dr.Sornalakshmi K** - "A Two-Way Communication Device for a Disabled Person and A Method Thereof ", Intellectual Property of rights, India, Patent Number: 532223
- **Dr.Shobana J** - "Machine Learning Based Mobile Jammer ", U.K, Patent Number: 6337714
- **Dr.A.Syed Ismail-** "Fundus Image Detection Device". Intellectual Property of rights, India, Patent Number: 400207-001
- **Dr.A.Syed Ismail-** "Blockchain Enabled Device for Computer Network Security ", Intellectual Property of rights, India, Patent Number: 404521001
- **Dr. Elangovan.G, Dr. A.V. Kalpana, Dr K. Arthi, Dr J.Shobana and Dr.Suchitra** - "AI Based Battery Management System for Electric Vehicle ", Intellectual Property of rights, India, Patent Number: 407662-001
- **Dr. A.V. Kalpana** - "Breast Tumour Detection Device Using Image Scanning", Intellectual Property of rights, India , Patent Number: 410087-001
- **Dr. J. Shobana and Dr.A.V. Kalpana** "Iot-Based Food Burner Stove", Intellectual Property of rights, India , Patent Number: 405648-001

PATENTS GRANTED

- **Dr.S.Sharanya** "An equipment condition monitoring system", Intellectual Property of rights, India ,Patent Number: 201841010635
- **Dr. John Deva Prasanna D S** - "Fruit Picke", Intellectual Property of rights, India, Patent Number: 409651-00
- **Dr. Kalpana A V** - "IoT based Waste Management Bin". Intellectual Property of rights, India, Patent Number: 413076-001

WORLD IP DAY AWARDS – 2024



Dr. P. C. Karthick
Associate Professor



Dr A.Murugan
Professor

SRM Institute of Science and Technology (SRMIST) marked World Intellectual Property Day 2024 with a grand event organised by SRM Directorate of Entrepreneurship and Innovation (DEI) on May 07, 2024. The Vice-Chancellor, SRMIST, Prof. C. Muthamizhchelvan inaugurated the event.

Dr. A. Murugan, Professor and **Dr. P.C. Karthick**, Associate Professor of Data Science and Business systems were feliciated during this event for their innovative patents and ideation.

Dr.A.Shobanadevi, Associate Professor and **Dr.J.Shobana**, Assisntnt Professor were also awarded for their innovative ideas and patenting it.

BOOK CHAPTERS

- **Dr. S. Sharanya, Dr. V. Vijayalakshmi, Dr. R. Radha.** "Achieving Green Sustainability in Computing Devices in Machine Learning and Deep Learning Techniques", Computational Intelligence for Green Cloud Computing and Digital Waste Management, GI Global, February 2024, ISBN 9798369315521, DOI: 10.4018/979-8-3693-1552-1.
- **Dr. V. Kavitha.** "Adjunct Faculty in Online Higher Education", Higher Education within the Context of the Online Learning Environment, IGI Global, January 2024, DOI: 10.4018/978-1-6684-9855-2, ISBN13: 9781668498552.
- **Dr. J. Shobana, Dr. K. Arthi, Dr. Kalpana A. V.** "Using Real-Time Data and AI for Thrust Manufacturing", Real-Time Applications of Artificial Intelligence Technology in Daily Operations, IGI Global, March 2024, DOI: 10.4018/979-8-3693-2615-2, ISBN13: 9798369326152.
- **Dr. M. Ram Prasath, K. Arthi, J. Shobana, T. Nadana Ravishankar, Dr. S. Suchitra, Dr. A. V. Kalpana.** "Dual-CNN-Based Waste Classification System Using IoT and HDS Algorithm", Computational Intelligence for Green Cloud Computing and Digital Waste Management, IGI Global, February 2024, ISBN 9798369315521, DOI: 10.4018/979-8-3693-1552-1.
- **Dr. Shobana J.** "VIRTUAL REALITY: Visual Computation, Augmented and Mixed, I/O Interface", SK Group of Companies, March 2024, ISBN: 9788119980970.
- **Dr. Prabhu Kavin B.** "Efficient Resource Management in Green Computing Based on ISHOA Task Scheduling with Secure ChaCha20-Poly1305 Authenticated Encryption Based Data Transfer", Computational Intelligence for Green Cloud Computing & Digital Waste Management, IGI Global, February 2024, ISBN 9798369315521, DOI:10.4018/979-8-3693-1552-1.
- **Dr. Prabhu Kavin B.** "Sustainable Waste Management OOA-Enhanced MobileNetV2-TC Model for Trash Image Classification", Computational Intelligence for Green Cloud Computing and Digital Waste Management, IGI Global, February 2024, ISBN 9798369315521, DOI: 10.4018/979-8-3693-1552-1.
- **Dr. V. Vijayalakshmi.** "Modern Technological Innovation in Digital Waste Management", Computational Intelligence for Green Cloud Computing and Digital Waste Management, IGI Global, February 2024, ISBN 9798369315521, DOI: 10.4018/979-8-3693-1552-1.
- **Dr. Subashini B.** "Routledge and CRC Press, Applications of Blockchain and Artificial Intelligence in Finance and Governance", Taylor & Francis, published on 4/24/2024
- **Dr. Prabhu Kavin B.** "Traffic Sign Detection for Real-World Application Using Hybrid Deep Belief Network Classification", Advanced Geospatial Practices in Natural Environment Resource Management, IGI Global, March 2024, DOI: 10.4018/979-8-3693-1396-1, ISBN13: 9798369313961.

BOOK CHAPTERS

- **Dr. Prabhu Kavın B.** "A Smart Innovative Pre-Trained Model-Based QDM for Weed Detection in Soybean Fields", Advanced Intelligence Systems and Innovation in Entrepreneurship, IGI Global, May 2024, DOI: 10.4018/979-8-3693-0790-8, ISBN13: 9798369307908.
- **Dr. Kalpana A. V.** "Enhancing Healthcare Integration with IoT for Seamless and Responsive Patient Care", Future of AI in Biomedicine and Biotechnology, IGI Global, May 2024, DOI: 10.4018/979-8-3693-3629-8, ISBN13: 9798369336298.
- **Dr. D. Prabakar.** "Dynamic Evaluation Service for Safe Cloud Retention with Protection of Privacy and Reduction of Cyber Security Attacks", Enhancing Security in Public Spaces Through Generative Adversarial Networks (GANs), IGI Global, May 2024, DOI: 10.4018/979-8-3693-3597-0, ISBN13: 9798369335970.
- **Dr. Sasikumar.** "A Lightweight CNN Architecture for Prediction of Plant Diseases", Cognitive Analytics and Reinforcement Learning: Theories, Techniques and Applications, Wiley, April 2024, ISBN: 978-1-394-21404-4.
- **Dr. Sasikumar.** "Cognitive Computing System-Based Dynamic Decision Control for Smart City Using Reinforcement Learning Model", Cognitive Analytics and Reinforcement Learning: Theories, Techniques and Applications, Wiley, April 2024, ISBN: 978-1-394-21404-4.
- **Dr. Prabhu Kavın B.** "NMRA-Facilitated Optimized Deep Learning Framework: A Case Study on IoT-Enabled Waste Management in Smart Cities", Developments Towards Next Generation Intelligent Systems for Sustainable Development, IGI Global, April 2024, DOI: 10.4018/979-8-3693-5643-2, ISBN13: 9798369356432.
- **Dr. Prabhu Kavın B.** "Detection of Pepper Plant Leaf Disease Detection Using Tom and Jerry Algorithm with MSTNet", Machine Learning Techniques and Industry Applications, IGI Global, April 2024, DOI: 10.4018/979-8-3693-5271-7, ISBN13: 9798369352717.
- **Dr. A. Siva Kumar.** "Efficient Detection of QR Code Image-Based Attacks in Industries Through Lightweight Deep Learning Models and Monarch Butterfly Optimization Algorithm", Industry Applications of Thrust Manufacturing: Convergence with Real-Time Data and AI, IGI Global, March 2024, DOI: 10.4018/979-8-3693-4276-8, ISBN13: 9798369342763.
- **Dr. A. Siva Kumar.** "Real-Time Event Detection and Predictive Analytics Using IoT and Deep Learning", Industry Applications of Thrust Manufacturing: Convergence with Real-Time Data and AI, IGI Global, March 2024, DOI: 10.4018/979-8-3693-4276-8, ISBN13: 9798369342763.
- **Dr. A. Siva Kumar.** "3D Localization in the Era of IoT by Integrating Machine Learning with 3D Adaptive Stochastic Control Algorithm", Using Real-Time Data and AI for Thrust Manufacturing, IGI Global, March 2024, DOI: 10.4018/979-8-3693-2615-2, ISBN13: 9798369326152.
- **Dr. A. Chinnasamy.** "Deep Learning in Healthcare and Clinical Studies", Taylor and Francis Group, May 2024, ISBN 9781003469605.

FACULTY UPSKILLING

NPTEL Course completion

- **Dr A.V.Kalpana** completed Deep Learning Course on 01.04.2024
- **Dr M.Rajakani** completed Foundation of Cloud IoT Edge ML – Elite with Topper 1% Course at NPTEL.
- **Dr SV.Shri Bharathi** completed Data Mining Course at NPTEL on 01.03.2024
- **Dr. A. Rehash Rushmi Pavitra** completed Introduction to Internet of Things at NPTEL ON 01.03.2024
- **Mrs. Praveena Angelin** attended one day training program on “Data Science” at Verizon, chennai on May 10,2024

JOURNAL / CONFERENCE REVIEWER / JURY MEMBER

- **Dr. P. Suthanthiradevi** – Received a letter of appreciation from the Editor-in-Chief of Engineering, Technology & Applied Science Research for her voluntary contribution of time and effort to improve the quality of the journal.
- **Dr. T. Ragupathi**
 - Received a letter of appreciation from the School of Computer Science and Engineering at RV University for his contribution as a Jury member for the CS1331-Building Apps with Python (3 Credit) course project presentations held on 4th June 2024.
 - Reviewer at International Conference on Disruptive Technologies – 2024 Organized by GL Bajai Institute of Technology Management on 15.03.2024
- **Dr. K. Rajkumar**
 - Received a letter of appreciation from the School of Computer Science and Engineering at RV University for his contribution as a Jury member for the CS1331-Building Apps with Python (3 Credit) course project presentations held on 4th June 2024.
 - Reviewer at International Conference on Automation & Comutation (AUTOCOM – 2024) Graphic Era Hill University Uttarkand on 14.04.2024
 - Reviewer at International Conference on Disruptive Technologies – 2024 Organized by GL Bajai Institute of Technology Management on 15.03.2024
- **Dr. D. Rajalakshmi**
 - Received the 'Certificate of Excellence in Reviewing' from the Chief Managing Editor of the Journal of Advances in Medical and Pharmaceutical Sciences, in recognition of her outstanding contribution to the quality of the journal.
 - Reviewer for International Conference on Computing and Data Science (ICCDS – 2024) Organized by Rajalakshmi Engineering College on 26.04.2024 and 27.04.2024
- **Dr. A. Rehash Rushmi Pavitra**
 - Reviewer at the 10th International Conference on Communication and Signal Processing on 12.04.2024 & 13.04.2024
 - Journal Reviewer for Computers & Electrical Engineering in June 2024.
- **Dr. M. Rajakani** – Journal Reviewer for the Journal of Ambient Intelligence and Humanized Computing & International Journal of Soil and Plant Science.
- **Dr.A.Shobanadevi** –Reviewer for Inter Journal of Computing and Digital Systems (IJCDS)
- **Dr.V.Kavitha** – Jury for International Conference held at Adhiparasakthi Engineering college.
- **Dr. SV. Shri Bharathi** – Jury for CS/IP Seminar at JRK Global School on 13.04.2024
- **Dr. P. Varun**– Guest speaker in Faculty Induction Training Program(Guru Dakshta) organised by Directorate of Learning and Development from 18.03.2024 to 22.03.2024 and 29.04.2024 to 30.04.2024

OUR STUDENTS' CORNER

INTERNSHIP AWARDEES

Faculty Advisor	Student Name	Industry	Duration
Dr. Jeba Sonia J, Dr. Mercy Theresa	Riti Matangi (RA2211056010035)	Virtusa	May - June 2024
	Astha Jaiswal & Shaheer Hasan Khan (RA2111042010025, RA2111042010035)	Philips, Bangalore	June - July 2024
Dr. Jayaraj R	R Kaviya (RA2211027010101) K. Yogesh (RA2211027010099)	Eduskills Foundation	April - June 2024
Dr. Elangovan G.	Aankit Satpathy (RA2211042010027)	5Swans	June to July 2024
	Lohithraman (RA2211042010036)	BSNL Meenambakkam.	June 2024
	Sanya Mathur (RA2211042010042)	Crompton Greaves Mumbai	June 2024
	Tanisha M (RA2311050010038)	Prodigy and Code Alpha (online)	June - July 2024
	Bastin K.J (RA2211042010007)	EY and Edunet Foundation	June 2024
Dr. Praveen Kumar S.	Punit Joshi (RA2311056010173)	Eduskills Foundation.	April-June 2024
Dr. M. Anand	Susmitha V (RA2211056010038)	Virtusa, DLF	June - July 2024
	Gaurav Prasad (RA2211056010059) Akrish (RA2311050010015)	AICTE internships	June -July 2024
Dr. Suthanthira Devi P.	CH Shivangi (RA2311056010085)	AICTE internships	April-June 2024

Congratulations to all student interns and their faculty advisors!

SAP NEWS

GLOBAL ACADEMIC INTERNSHIP PROGRAM

The following students of DSBS participated in the Global Academic Internship program [GAIP] at **National University of Singapore** from June 8th to June 29th.

- Ms.Kiran Shakti Vairavel (RA2111042010034)
- Ms. A. Vihasini (RA2111042010059)
- Ms. Priyanka Saravanan (RA2111042010028)
- Mr. Kumaran Hariharan (RA2211027010274)
- Mr.Tadimalla Sai Srirama Subhakar (RA2211027010273)



INDO- GLOBAL WINTER INTERNSHIP

- Our Big data analytics students - Mr.Mahendravarmaa and Ms.Bandlamudi Amulya Grace, got selected for Indo-Global Winter Internship at **University of London, UK**. This Internship will commence from August 2024



STUDENT EXCHANGE PROGRAM

- Mr. ABISEK KAMTHAN R S, selected for student exchange program from September 16th, 2024 to January 12th, 2025 at EFREI Paris, France.



STUDENT INTERNSHIP PROGRAM

- Ms.Ramya Manasa Amancherla of Big Data Analytics (RA2111027010011) is undergoing an internship at **Carnegie Mellon University (CMU), USA** from June 17th 2024 to July 26th 2024



BUSINESS IMMERSION PROGRAM

- Aryan Chaudhary (Final Year) of the AA1 Section, who attended the Business immersion training program from 02/07/24 to 06/07/24 at **UCSI University, Kuala Lumpur, Malaysia**



ABROAD EXPERIENCE – GAIP

V. KIRAN SHAKTI, FINAL YEAR CSBS

Hello! Being a student from the esteemed SRMIST and a part of the DSBS pursuing the course Computer Science with Business Systems got the chance to be a part of the GAIP (Global Academic Internship Program) along with a lot of other fellow students like me! I, V. Kiran Shakti currently pursuing my final year got the chance to be a part of this program. The program gave me lots of insights on topics which were completely new to me and gave me ideas on how to work with teammates in a project and improve my communication skills. The program was really fruitful and rewarding and helped shape me into a better person as a whole! Here is the brief on what was covered in the whole of the 3 weeks on campus at NUS (National University of Singapore), the world's top 8th QS ranking and Asia's no. 1 ranking in the world! :



Orientation at NUS : The internship began with an orientation session at NUS, where participants toured the campus and were introduced to the LMS software Acadly. This session also included a mock quiz that helped in forming project teams. The evening was filled with a talent showcase where students introduced themselves and displayed their talents, followed by a dinner at University Town.

NUS Sessions: Academic sessions at NUS covered various topics. Data Analytics sessions introduced statistical concepts and pattern analysis. Descriptive Analytics focused on identifying patterns, while Regression Analysis and Classification sessions taught data analysis and prediction methods. Clustering and Association sessions explored grouping data points and finding relationships. Text Mining sessions covered extracting information from text data. Sessions on Artificial Neural Networks (ANNs) and Convolutional Neural Networks (CNNs) provided insights into training techniques and image processing. Recurrent Neural Networks (RNNs) and Generative AI sessions introduced advanced AI concepts.

AWS Sessions: AWS sessions provided an introduction to Big Data and Cloud Computing. Participants learned about cloud services and data storage, including creating S3 buckets. Advanced topics like Apache Hive, AWS Glue, and Spark were covered, with practical exercises on deploying machine learning models in the cloud.

We also had mock presentations in order to modify our presentation delivery and get insights on what to improve and the changes we needed to make on our project.

A huge thanks to Dr. Wee Kek Tan sir, Manoranjan Dash sir and Amol Puri sir for helping us understand the concepts clearly and clearing our doubts from time to time. A shoutout to Rajesh Panda sir, the CEO of Corporate Gurukul, Sanath sir for helping us and coordinating the whole program. Last but not the least, a big thanks to Diksha Singh mam for sticking with us through all the sessions of both NUS and AWS and helping us in the NUS hostel and making sure we could count on her whenever we needed. The 3 weeks flew by in a blur along with the fun sessions, the socializing that we did with students from different colleges and places, the amazing places that we visited during the weekends and all the fun and happy memories which would have a huge impact on our life forever.

ABROAD EXPERIENCE – BIP

ARYAN CHAUDHARY, FINAL YEAR BDA

I am delighted to share my experience attending the Business Immersion Program at UCSI Malaysia. Participating in this program has been one of the most enriching experiences of my life. From the moment I stepped onto the UCSI campus, I was impressed by the vibrant academic environment and the warm welcome from both faculty and students. The campus itself is a melting pot of cultures and ideas, providing a unique and stimulating atmosphere for learning. The curriculum of the Business Immersion Program is meticulously designed to bridge the gap between academic theories and real-world business practices. Each module was crafted to provide in-depth insights into various aspects of business management, from marketing and finance to entrepreneurship and leadership. The courses were not just theoretical; they were filled with practical case studies, group projects, and interactive discussions that brought the concepts to life. One of the highlights of the program was the opportunity to engage with industry leaders through guest lectures and site visits. These experiences offered invaluable exposure to the current trends and challenges in the business world. Listening to these experts, and seeing their operations firsthand, gave me a deeper understanding of what it takes to succeed in today's competitive market.



Additionally, the program fostered an incredible network of peers from diverse backgrounds. Collaborating with fellow participants from different cultures and industries was an enlightening experience. It not only broadened my perspective but also helped me develop essential skills such as teamwork, communication, and cultural sensitivity. The faculty at UCSI are truly world-class. Their expertise, passion, and commitment to teaching are evident in every lecture and interaction. They challenged us to think critically, encouraged us to ask questions, and supported us in every step of our learning journey. Beyond academics, UCSI Malaysia provided a holistic experience with a range of extracurricular activities and events that enriched my personal growth. From cultural festivals to community service projects, there was always something to look forward to, making my stay in Malaysia truly memorable. In conclusion, attending the Business Immersion Program at UCSI Malaysia has been a transformative journey. It has equipped me with the knowledge, skills, and confidence to pursue my career goals with a renewed sense of purpose. I am grateful for the opportunity to be a part of this prestigious program and would highly recommend it to anyone looking to advance their business acumen and professional network. Thank you. Feel free to adjust this script to better suit your personal experiences and specific highlights of the program that stood out to you.



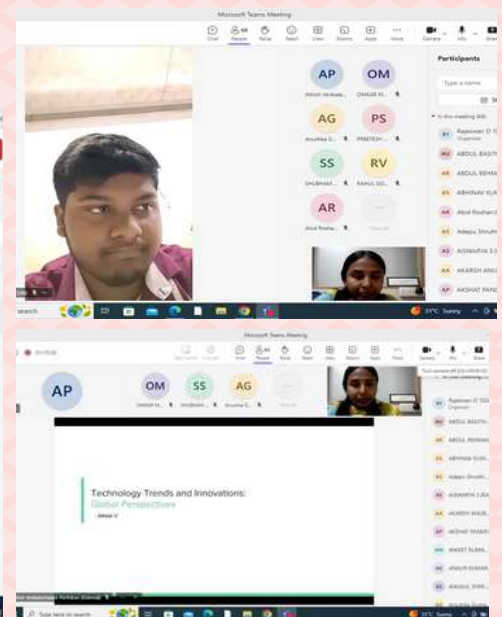
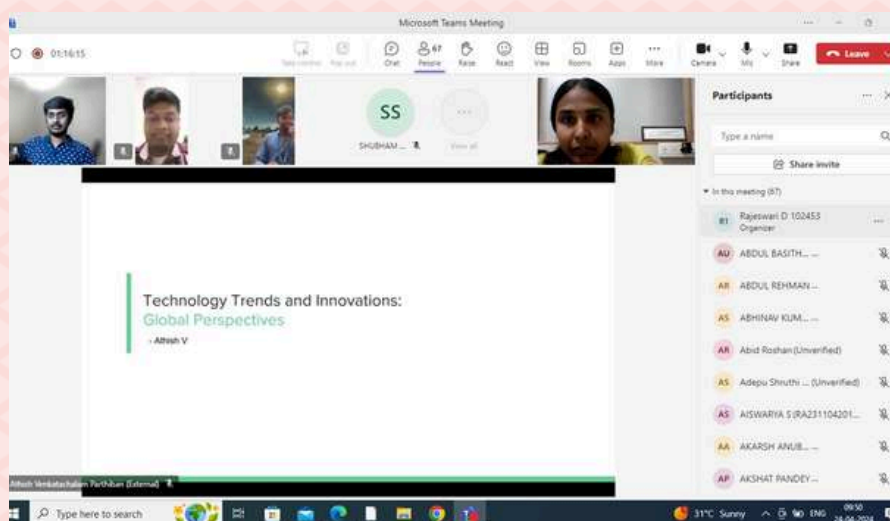
ALUMNI CONNECT

TALK ON TECHNOLOGY TRENDS AND INNOVATIONS: GLOBAL PERSPECTIVES

MR. ATHISH, CSBS [2019 - 2023]

The event "An Alumni Talk on Technology Trends and Innovations: Global Perspectives," hosted by DSBS, featured a comprehensive program aimed at providing valuable insights into technological trends and innovations. The event began with a welcome speech by Dr. M. Lakshmi, Head of the DSBS Department, who emphasized the pivotal role of technology in driving progress, transforming industries, and reshaping societies worldwide. She encouraged participants to engage in meaningful discourse and collaboration to navigate the complexities of the digital age. The highlight of the event was the talk by distinguished alumnus Athish, who discussed the interconnectedness of our global society and the transformative power of technology. He addressed the significant impact of technologies such as artificial intelligence, machine learning, biotechnology, and renewable energy, emphasizing the importance of ethical and responsible innovation for creating an inclusive and sustainable future.

The discussions underscored the value of global perspectives and diverse experiences in fostering innovation. Athish highlighted the potential of alumni to drive industry innovation, lead groundbreaking research, and bring about social change through technology. He also stressed the importance of collaboration and partnerships across disciplines and international boundaries to tackle complex challenges and unlock new growth opportunities. Key findings from the event included the increasing interconnectivity of technologies like IoT and blockchain, the transformative potential of emerging technologies such as quantum computing and 5G, the imperative of digital transformation for industries, and the critical role of technology in promoting sustainability and addressing environmental challenges. The event concluded with a feedback session, gathering insights from attendees and highlighting the tangible benefits students gained, including a deeper understanding of technological trends and innovations, and a sense of empowerment and motivation to embark on their own successful journeys.



JEFFREY ULLMAN COLLOQUIUM

HOW THE SEARCH ENGINE WORKS

On June 29th, 2024, **Mrs. Amala K J**, Research scholar in the DSBS Department, delivered an enlightening presentation on "How the Search Engine Works." She began by tracing the history of search engine development, detailing how early search engines laid the foundation for the sophisticated systems we use today. Mrs. Amala explained the intricate mechanics of indexing, highlighting how search engines crawl the web, store vast amounts of data, and retrieve relevant information in response to user queries. She delved into the algorithms that rank search results, discussing the factors that influence these rankings. Furthermore, Mrs. Amala explored research opportunities in optimizing search algorithms, emphasizing the ongoing efforts to enhance search efficiency, accuracy, and user experience. Her presentation provided a comprehensive overview of the technological advancements in search engines and underscored the importance of continued innovation in this field.



NEXT GENERATION DISTRIBUTED COMPUTING



On June 4th, 2024, **Mr. Blessed Sam**, Research scholar from the DSBS Department, delivered a talk on the "Next Generation Distributed Computing Architecture for Scalable, Secure, and Intelligent Applications." This insightful presentation explored key topics such as Cloud Computing, Fog Computing, and Edge Computing. Mr. Sam discussed how the distributed paradigm encompassed both centralized and decentralized technologies, illustrating how the world was evolving through these phases towards a new generative trend. Attendees gained a comprehensive understanding of how these technologies contribute to the development of scalable, secure, and intelligent applications.

JEFFREY ULLMAN COLLOQUIUM

DIGITAL TWIN IN HEALTHCARE

On April 27th, 2024, **Dr. K. S. Arikumar**, Assistant Professor in the DSBS Department, delivered a presentation on "Digital Twin in Healthcare." He explained how digital twin technology, initially developed for aerospace and manufacturing, has been adopted in healthcare to optimize patient care, surgical procedures, pharmaceutical processes, and public health management. Digital twins facilitate personalized simulations of patients, supporting predictive, preventive, personalized, and participative (P4) medicine. They also enhance clinical processes, professional training, and public health strategies. Despite challenges in integrating physical and digital worlds and fostering technology adoption, initiatives like the Swedish Digital Twin Consortium (SDTC) are advancing personalized medicine. Continued research, development, and collaboration are essential to fully realize the potential of digital twins in revolutionizing healthcare with precision and efficiency.



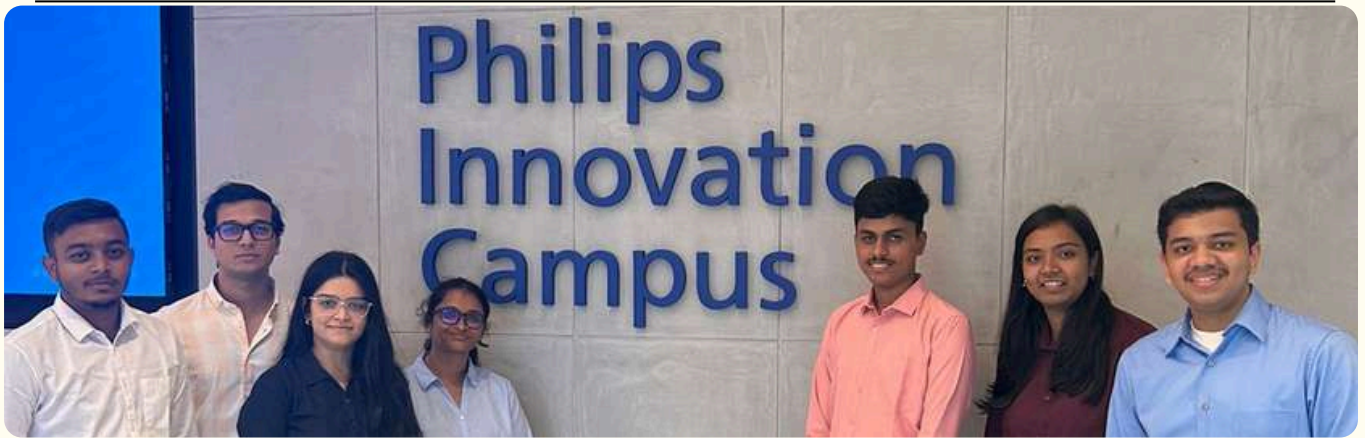
MASTERING THE ART OF RESEARCH EVOLUTION



On April 13th, 2024, **Dr. M. Geetha Jenifel**, Assistant Professor in the DSBS Department, delivered an enlightening seminar on "Mastering the Art of Research Evolution." The seminar addressed the challenges many young researchers face in writing scientific articles and highlighted the lack of specific training in presenting research work in written format. Dr. Jenifel emphasized the importance of publication for career advancement, obtaining funding, and achieving academic qualifications. The seminar covered several key points, including the basic steps to follow when writing a scientific article, the main sections that an average article should contain, and the essential elements that should appear in these sections. Additionally, she provided valuable pointers for making the overall result attractive and acceptable for publication.



GALLERY



Astha Jaiswal and Shaheer Hasan Khan of CSBS at Philips Bangalore



Aryan Chaudhary, BDA at UCSI university, Kuala Lumpur, Malaysia



Kiran Shakti and her batchmates, DSBS at NUS, Singapore



Big performers: DSBS Men faculty has won the **Men's Cricket** of **School of Computing Faculty Fit** consecutively for the second time

2024 International Conference on Precision Bio-Medicine and Sustainable Smart City Development

Organised by

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

In association with

National Chung Cheng University, Taiwan

SEPTEMBER 5-6, 2024

VENUE: TP GANESAN AUDITORIUM

INTERNATIONAL SPEAKERS



DR. SHAW-JENQ TSAI



DR. PAO-ANN HSIUNG



DR. CHIH-YI CHIU



DR. WEI-MIN LIU



DR. CHEN-KUO CHIANG



MS. HSIU CHUN HSU



MR. AYUSH PRATAP



MR. CHENG-CHUNG LEE

NATIONAL SPEAKERS



DR. PRATISHTHA PANDEY



PROF. C. MUTHAMIZHCHELVAN



DR. LT COL A. RAVIKUMAR,



NEELAM SINHA



MANU MADHAVAN



DEEPTI R. BATHULA



ARUN PV



EBIN DENI RAJ



KUMARAN.P

CONVENOR



Dr. G. Vadivu
Professor
Department of DSBS
School of Computing



Dr. Revathy Venkataraman
Chairperson
School of Computing
SRMIST

CHIEF PATRONS



Dr. M. Lakshmi
Professor & Head
Department of DSBS
School of Computing

DATA Chronicle



- Tiruvalluvar (2000 Years ago)

குறள் 399

தாம்இன் புறுவது உலகுஇன் புறக்கண்டு
காழுறுவர் கற்றறிந் தார்.

விளக்கம்:

தாம் இன்பம் அடைவதாகிய கல்வியினாலே உலகத்தாரும் இன்பம் அடைவதைக்
கண்டு, கற்றறிந்தவர், மேன்மேலும் தாம் கற்பதையே விரும்புவார்கள்.

THAT WHAT DELIGHTS HIM DELIGHTS OTHERS
DELIGHTS A SCHOLAR

Meaning:

The learned will long (for more learning), when they see that while it gives pleasure to themselves,
the world also derives pleasure from it.

हर्ष हेतु अपने लिये, वैसे जग हित जान ।
उस विद्या में और रत, होते हैं विद्वान ॥

विद्वान लोग (और अधिक सीखने के लिए) लालायित रहेंगे, जब वे देखेंगे कि जहां इससे उन्हें खुशी मिलती
है, वहीं दुनिया को भी इससे खुशी मिलती है।

DATA CHRONICLE

OFFICIAL NEWSLETTER

DEPARTMENT OF DATA SCIENCE AND BUSINESS SYSTEMS
| SOC | SRMIST



EDITORIAL TEAM

4TH FLOOR, UNIVERSITY BUILDING, SRMIST

datachronicle.dsbs.ktr@srmist.edu.in

