



BELL INSTITUTE OF RESEARCH & DEVELOPMENT STUDIES



## International Conference

on

## Innovative Technologies in Engineering and Business (ICITEB)

Day 1: Thursday, July 18<sup>th</sup>, 2024

Paper Presentations | Conference Hall | 10:00-11:00 AM

Time (IST)	Presentation Details
Paper ID: 5502 10:00-10:15 AM	NAVIGest: A Unified Gesture and Voice-Based Interface for Smart Home Automation Er.Renju Rachel Varghese, Ajay M Nair, Akhil S R, Fazin Ashraf, Felix T Joseph Saintgits College of Engineering, Kottayam, Kerala, India <b>(ONLINE)</b>
Paper ID: 5503 10:15-10:30 AM	Oral disease detection and classification from panoramic dental x-rays using AI Angeleena Reji, Abhishek S. Kumar, Aksa Merin Shaji, Ananthu P., Soumya Sara Koshy Saintgits College of Engineering (Autonomous), Kottayam, Kerala, India <b>(ONLINE)</b>
Paper ID: 5507 10:30-10:45 AM	Clustering Approaches for Similar Patch-Based Ultrasound Image Despeckling Meera Nair, Ajitha R. Subhamathi NSS College, Rajakumari, Idukki, Kerala, India <b>(ONLINE)</b>
Paper ID: 5530 10:45-11:00 AM	Transforming Student Success: The Impact of the StressSync Framework on Reducing Stress and Enhancing Academic Achievement Arisha Khan, Fathima Hasna Zainulabdeen, Fayza Azmin Ishra, Vikas Rao Naidu, Santhosh John Middle East College, Muscat, Sultanate of Oman <b>(ONLINE)</b>

## Session 1A - Paper Presentations | Conference Hall | 12:30-1:30 PM

Time (IST)	Presentation Details
Paper ID: 5518 12:30-12:45 PM	A New Era of Holo-AI Rayyan Khan, Anmol Sharma, A. Raiyan Ahmed, Mohammed Raya Khan, Mohammed Mujahid Ulla Faiz Presidency University, Bengaluru, Karnataka, India <b>(OFFLINE)</b>
Paper ID: 5519 12:45-1:00 PM	Adoption of Chatbots in Academia: Unveiling Benefits, Hurdles, and Key Factors Kavitha K., Roohi Kursheed Khan S. Dayananda Sagar University, Bengaluru, Karnataka, India <b>(OFFLINE)</b>

Paper ID: 5520 1:00-1:15 PM	Comparative Analysis of Machine Learning models for predicting heart disease S Gowri Krishna, Ajitha R. Subhamathi Nirmala College, Muvattupuzha, Kerala, India, NSS College Rajakumari, Idukki, Kerala, India <b>(ONLINE)</b>
Paper ID: 5524 1:15-1:30 PM	Using Smart Blackbox to Monitor Accidents of Motor Vehicles in Oman Abdul Malik Sulaiman Said Al Jabri, Sheuly Nath, Vikas Rao Naidu, Santhosh John Middle East College, Muscat, Sultanate of Oman <b>(ONLINE)</b>

### Session 1B - Paper Presentations | Mini-Conference Hall | 12:30-1:30 PM

Time (IST)	Presentation Details
Paper ID: 5511 12:30-12:45 PM	Securing Personal Data on Smartphones: Addressing APT Challenges and Phishing Threats Ali Hodroj, Makram W. Hatoum, Khoulood Samrouth, Ali El Attar Arab Open University, Beirut, Lebanon <b>(ONLINE)</b>
Paper ID: 5512 12:45-1:00 PM	Prototype Design and Development of IoT and Machine Learning based Flood Monitoring, Alerting and Forecasting System Ali Hamed Ali Hamed Al Maqbali, Muhammad Nauman Bashir, Sania Nauman Middle East College, Muscat, Sultanate of Oman, Comsats University Islamabad, Pakistan <b>(ONLINE)</b>
Paper ID: 5513 1:00-1:15 PM	Artificial neural networks Techniques for Differentiating Poisonous and Edible Fish Species Faisal Salim Khalfan Al Maskar, Said Mohammed Said Al Ghafri, Wasin Al Kishri, Yousuf Nasser Al Husaini Arab Open University, Muscat, Sultanate of Oman <b>(ONLINE)</b>
Paper ID: 5515 1:15-1:30 PM	Enhancing IoT Device Security Through Digital Twins and Lightweight Cryptography: A Ditto-TinyJAMBU Approach Mohammad Al Abed, Mohamad El Hajj, Khoulood Samrouth Arab Open University, Beirut, Lebanon, University of Twente, Netherlands <b>(ONLINE)</b>

### Session 2A - Paper Presentations | Conference Hall | 2:30-4:30 PM

Time (IST)	Presentation Details
Paper ID: 5506 2:30-2:45 PM	A Comprehensive Review- Water Quality Monitoring Using Internet of Things (IoT) And Blockchain Anitha Roy, Jubilant J. Kizhakkethottam Lincoln University College, Malaysia, Saintgits College of Engineering, Kottayam, Kerala, India <b>(OFFLINE)</b>
Paper ID: 5516 2:45-3:00 PM	Evidence Collection Reporting using Blockchain for Preserving Integrity of Digital Investigation Hari M., Jubilant J. Kizhakkethottam, Tibin Thomas, Arun Madhu

	Saintgits College of Engineering, Kottayam, Kerala, India (ONLINE)
Paper ID: 5526 3:00-3:15 PM	Exploring the Digitization of National Digital Currency (Omani Rial) Using Blockchain Technology for Future Financial Advancements in Oman Taif Talal Yahya Al Khusaibi, Ammar Khalid Mohamed Al Siyabi, Amin Issam Qambar Al Ajmi, Musab Saif Said Al Azri, Tripti Sharma University of Technology and Applied Sciences, Muscat, Sultanate of Oman (ONLINE)
Paper ID: 5531 3:15-3:30 PM	Amalgamation of Blockchain Technology and Machine Learning in Revolutionizing Pandemic Resilient Supply Chain Raji Ramakrishnan Nair, Punam Rattan CHRIST (Deemed to be University) Bengaluru, Karnataka, India, Lovely Professional University, Punjab, India (ONLINE)
Paper ID: 5529 3:30-3:45 PM	Difficulties Encountered by Startups While Adopting Digital Technology V. Josili, N. Rajalingam, Kabaly P. Subramanian Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India, Arab Open University, Muscat, Sultanate of Oman (OFFLINE)
Paper ID: 5532 3:45-4:00 PM	Aqua Sink Pro: Enhancing Water Heater Safety and Efficiency with IoT and Real-Time Monitoring: Using Water Flow Sensors Yahya Thani Saheem Saad Al Wahaibi, Talal Ahmed Hussein Al Aidarus, Aisha Nasser Al Salmi University of Technology and Applied Sciences, Muscat, Sultanate of Oman (ONLINE)
Paper ID: 5534 4:00-4:15 PM	Defense Against Phishing Attack Fatima Haider Al Zain, Fatma Mohammed Al Shibli, Sakina Abdul Hussain Al Lawati University of Technology and Applied Sciences, Muscat, Sultanate of Oman (ONLINE)
Paper ID: 5521 4:15-4:30 PM	An Evaluation of AI contribution towards Transport Services Optimization in the Logistics Sector in Oman Nibras Khalid AbuTaha, Prakash Kumar Udupi, Santhosh John, Vikas Rao Naidu Middle East College, Muscat, Sultanate of Oman (ONLINE)

### Session 2B - Paper Presentations | Mini-Conference Hall | 2:30-4:30 PM

Time (IST)	Presentation Details
Paper ID: 5522 2:30-2:45 PM	Informal Learning: The Driver of Entrepreneurial Innovation in Successful Businesses Agneus Chhristina M.J, G. Magesh Kuttalam, Kabaly P Subramanian, G. Prem Shankari Manonmaniam Sundaranar University, Tirunelveli, India, Arab Open University, Sultanate of Oman, Rohini College of Engineering and Technology, Kanyakumari, Tamil Nadu, India (OFFLINE)
Paper ID: 5523 2:45-3:00 PM	Harnessing The Entrepreneurial Ecosystem for the Progression of a Conglomerate Business R.Soniya, G. Magesh Kuttalam, Kabaly P Subramanian, G. Prem Shankari

	<p>Manonmaniam Sundaranar University, Tirunelveli, India, Arab Open University, Sultanate of Oman, Rohini College of Engineering and Technology, Kanyakumari, Tamil Nadu, India</p> <p>(OFFLINE)</p>
<p>Paper ID: 5525 3:00-3:15 PM</p>	<p>Artificial Intelligence (AI) Based Competency Framework for the Sustainability of Small Medium Enterprise in the Sultanate of Oman-An innovative Approach Santhosh John, Manoj Podiyan Middle East College, Muscat, Sultanate of Oman</p> <p>(ONLINE)</p>
<p>Paper ID: 5527 3:15-3:30 PM</p>	<p>Generational Perspectives on E-Business Adoption in the Automobile Sector: A Comparative Study of First-Generation and Inherited Entrepreneurs S. Indumathy, N. Rajalingam Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India</p> <p>(ONLINE)</p>
<p>Paper ID: 5528 3:30-3:45 PM</p>	<p>Examining the Effectiveness of RegTech Solutions in Strengthening Regulatory Compliance: An Integrative Study of a Private Omani Bank Nusrat Jahan, Syeda Umme Habiba, Prakash Kumar Udupi, Vikas Rao Naidu, Santhosh John Middle East College, Muscat, Sultanate of Oman</p> <p>(ONLINE)</p>
<p>Paper ID: 5536 3:45-4:00 PM</p>	<p>Predict Tourist Cost Using Machine Learning Model Hanin Ali Salim Al Wahaibi, Raya Khalid Abdullah Al Rawahi, Noura Yahya Al Hoqani University of Technology and Applied Sciences, Muscat, Sultanate of Oman</p> <p>(ONLINE)</p>
<p>Paper ID: 5537 4:00-4:15 PM</p>	<p>Elucidate Colon Polyp through UNet Architecture Jobin T.J., Sherimon P.C., Vinu Sherimon Lincoln University College Malaysia, Marian College Kuttikanam, Idukki, Kerala, India, Arab Open University, Muscat, Sultanate of Oman, University of Technology and Applied Sciences, Muscat, Sultanate of Oman</p> <p>(OFFLINE)</p>
<p>Paper ID: 5539 4:15-4:30 PM</p>	<p>Automated Lung Cancer Detection Using Convolutional Neural Networks from Chest CT Image Datasets Said Saif Said Al Kiyumi, Mohammed Said Salim Al Abri, Yousuf Nasser Al Husaini, Wasin Al Kishri Arab Open University, Muscat, Sultanate of Oman</p> <p>(ONLINE)</p>