



BELL INSTITUTE OF RESEARCH & DEVELOPMENT STUDIES



# International Conference On Innovative Technologies in Engineering and Business (ICITEB 2024)

## PROGRAM SCHEDULE

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

Time (IST)	Program	Venue
8:00-9:00 AM	Registration	Conference Hall
9:00-9:30 AM	<b>Inaugural Ceremony</b> Chief Guest: Prof. (Dr.) K. S. Anil Kumar, Registrar, University of Kerala	Conference Hall
9:30-10:00 AM	<b>Keynote Speech: Innovating Finance: Real-World Applications and Future Trends in Fintech and Blockchain</b> Speaker: Magdalena Kubica Digital Business Services Head, HCLTech, Poland	Conference Hall
10:00-11:00 AM	Research Paper Presentations	Conference Hall
11:00-11:30 AM	<b>TEA BREAK &amp; NETWORKING</b>	
11:30-12:00 PM	<b>Keynote Speech: CISCO Certifications</b> Speaker: Benjamin Rosenlund Noroff School of Technology, Norway	Conference Hall



12:00-12:30 PM	<b>Workshop: From Certification to Career: A RoadMap for Professional Advancement</b> Organizer: Siter Academy, Norway	Conference Hall
12:30-1:30 PM	Research Paper Presentations (Parallel Sessions)	Session 1A (Conference Hall) & Session 1B (Mini-Conference Hall) & Zoom
1:30-2:30 PM	<b>LUNCH BREAK</b>	Outdoor
2:30-4:30 PM	Research Paper Presentations (Parallel Sessions)	Session 2A (Conference Hall) & Session 2B (Mini-Conference Hall) & Zoom*
4:30-7:00 PM	TEA BREAK & WATER SPORTS ACTIVITIES	Bell Farms & Resort
7:15-9:00 PM	<b>CONFERENCE GALA DINNER (BELL FARMS SPECIAL SEAFOOD BUFFET)</b>	Bell Farms & Resort

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

Time (IST)	Presentation Details
10:00-10:15 AM	<p>Paper ID: 5502(Online)</p> <p><b>NAVIGest: A Unified Gesture and Voice-Based Interface for Smart Home Automation</b></p> <p>Er.Renju Rachel Varghese, Ajay MNair, Akhil SR, Fazin Ashraf, Felix T Joseph Saintgits College of Engineering, Kottayam, Kerala, India</p>
10:15-10:30 AM	<p>Paper ID: 5503(Online)</p> <p><b>Oral disease detection and classification from panoramic dental x-rays using AI</b></p> <p>Angeleena Reji, Abhishek S. Kumar, Aksha Merin Shaji, Ananthu P., Soumya Sara Koshy Saintgits College of Engineering (Autonomous), Kottayam, Kerala, India</p>
10:30-10:45 AM	<p>Paper ID: 5507(Online)</p> <p><b>Clustering Approaches for Similar Patch-Based Ultrasound Image Despeckling</b></p> <p>Meera Nair, Ajitha R. Subhamathi NSS College, Rajakumari, Idukki, Kerala, India</p>



10:45-11:00 AM	<p>Paper ID: 5530(Online)</p> <p><b>Transforming Student Success: The Impact of the StressSync Framework on Reducing Stress and Enhancing Academic Achievement</b></p> <p>Arisha Khan, Fathima Hasna Zainulabdeen, Fayza Azmin Ishra, Vikas Rao Naidu, Santhosh John Middle East College, Muscat, Sultanate of Oman</p>
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### Session 1A - Paper Presentations | Conference Hall | 12:30-1:30 PM

Time (IST)	Presentation Details
12:30-12:45 PM	<p>Paper ID: 5518(Online)</p> <p><b>A New Era of Holo-AI</b></p> <p>Rayyan Khan, Anmol Sharma, A. Raiyan Ahmed, Mohammed Raya Khan, Mohammed Mujahid Ulla Faiz Presidency University, Bengaluru, Karnataka, India</p>
12:45-1:00 PM	<p>Paper ID: 5519(Online)</p> <p><b>Adoption of Chatbots in Academia: Unveiling Benefits, Hurdles, and Key Factors</b></p> <p>Kavitha K., Roohi Kursheed Khan S. Dayananda Sagar University, Bengaluru, Karnataka, India</p>
1:00-1:15 PM	<p>Paper ID: 5520(Online)</p> <p><b>Comparative Analysis of Machine Learning models for predicting heart disease</b></p> <p>S Gowri Krishna, Ajitha R. Subhamathi Nirmala College, Muvattupuzha, Kerala, India, NSS College Rajakumari, Idukki, Kerala, India</p>
1:15-1:30 PM	<p>Paper ID: 5524(Online)</p> <p><b>Using Smart Blackbox to Monitor Accidents of Motor Vehicles in Oman</b></p> <p>Abdul Malik Sulaiman Said Al Jabri, Sheuly Nath, Vikas Rao Naidu, Santhosh John Middle East College, Muscat, Sultanate of Oman</p>



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

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

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

Time (IST)	Presentation Details
2:30-2:45 PM	<p>Paper ID: 5506(Offline)</p> <p><b>A Comprehensive Review- Water Quality Monitoring Using Internet of Things (IoT) And Blockchain</b></p> <p>Anitha Roy, Jubilant J. Kizhakkethottam</p>



	Lincoln University College, Malaysia, Saintgits College of Engineering, Kottayam, Kerala, India
2:45-3:00 PM	<p>Paper ID: 5516(Online)</p> <p><b>Evidence Collection Reporting using Blockchain for Preserving Integrity of Digital Investigation</b></p> <p>Hari M., Jubilant J. Kizhakkethottam, Tibin Thomas, Arun Madhu Saintgits College of Engineering, Kottayam, Kerala, India</p>
3:00-3:15 PM	<p>Paper ID: 5526(Online)</p> <p><b>Exploring the Digitization of National Digital Currency (Omani Rial) Using Blockchain Technology for Future Financial Advancements in Oman</b></p> <p>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</p>
3:15-3:30 PM	<p>Paper ID: 5531(Online)</p> <p><b>Amalgamation of Blockchain Technology and Machine Learning in Revolutionizing Pandemic Resilient Supply Chain</b></p> <p>Raji Ramakrishnan Nair, Punam Rattan CHRIST (Deemed to be University) Bengaluru, Karnataka, India, Lovely Professional University, Punjab, India</p>
3:30-3:45 PM	<p>Paper ID: 5529(Online)</p> <p><b>Difficulties Encountered by Startups While Adopting Digital Technology</b></p> <p>V. Josili, N. Rajalingam, Kabaly P. Subramanian Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India, Arab Open University, Muscat, Sultanate of Oman</p>
3:45-4:00 PM	<p>Paper ID: 5532(Online)</p> <p><b>Aqua Sink Pro: Enhancing Water Heater Safety and Efficiency with IoT and Real-Time Monitoring: Using Water Flow Sensors</b></p> <p>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</p>



4:00-4:15 PM	<p>Paper ID: 5534(Online)</p> <p><b>Defense Against Phishing Attack</b></p> <p>Fatima Haider Al Zain, Fatma Mohammed Al Shibli, Sakina Abdul Hussain Al Lawati University of Technology and Applied Sciences, Muscat, Sultanate of Oman</p>
4:15-4:30 PM	<p>Paper ID: 5521(Online)</p> <p><b>An Evaluation of AI contribution towards Transport Services Optimization in the Logistics Sector in Oman</b></p> <p>Nibras Khalid AbuTaha, Prakash Kumar Udupi, Santhosh John, Vikas Rao Naidu Middle East College, Muscat, Sultanate of Oman</p>

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

Time (IST)	Presentation Details
2:30-2:45 PM	<p>Paper ID: 5522(Offline)</p> <p><b>Informal Learning: The Driver of Entrepreneurial Innovation in Successful Businesses</b></p> <p>Agneus Christina 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</p>
2:45-3:00 PM	<p>Paper ID: 5523(Offline)</p> <p><b>Harnessing The Entrepreneurial Ecosystem for the Progression of a Conglomerate Business</b></p> <p>R.Soniya, 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</p>
3:00-3:15 PM	<p>Paper ID: 5525(Online)</p> <p><b>Artificial Intelligence (AI) Based Competency Framework for the Sustainability of Small Medium Enterprise in the Sultanate of Oman-An innovative Approach</b></p> <p>Santhosh John, Manoj Podiyan Middle East College, Muscat, Sultanate of Oman</p>



3:15-3:30 PM	<p>Paper ID: 5527(Online)</p> <p><b>Generational Perspectives on E-Business Adoption in the Automobile Sector:A Comparative Study of First-Generation and Inherited Entrepreneurs</b></p> <p>S. Indumathy, N. Rajalingam Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India</p>
3:30-3:45 PM	<p>Paper ID: 5528(Online)</p> <p><b>Examining the Effectiveness of RegTech Solutions in Strengthening Regulatory Compliance: An Integrative Study of a Private Omani Bank</b></p> <p>Nusrat Jahan, Syeda Umme Habiba, Prakash Kumar Udupi, Vikas Rao Naidu, Santhosh John Middle East College, Muscat, Sultanate of Oman</p>
3:45-4:00 PM	<p>Paper ID: 5536(Online)</p> <p><b>Predict Tourist Cost Using Machine Learning Model</b></p> <p>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>
4:00-4:15 PM	<p>Paper ID: 5537(Offline)</p> <p><b>Elucidate Colon Polyp through UNet Architecture</b></p> <p>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>
4:15-4:30 PM	<p>Paper ID: 5539(Online)</p> <p><b>Automated Lung Cancer Detection Using Convolutional Neural Networks from Chest CT Image Datasets</b></p> <p>Said Saif Said Al Kiyumi, Mohammed Said Salim Al Abri, Yousuf Nasser Al Hu saini, Wasin Al Kishri Arab Open University, Muscat, Sultanate of Oman</p>



## Day 2 – Friday, July 19<sup>th</sup>, 2024

Time (IST)	Program	Venue
9:00-10:00 AM	Research Paper Presentations (Parallel Sessions)	Session 1A (Conference Hall) & Session 1B (Mini-Conference Hall) & Zoom*
10:00-10:30 AM	<p><b>Keynote Speech: Internet of Things (IoT) Applications</b>            Speaker: Dr. Celestine Iwendi            Head of the Centre of Intelligence of Things            University of Bolton, England, UK            IEEE Brand Ambassador</p>	Conference Hall
10:30-11:00 AM	<p><b>Keynote Speech: Role of Digital Technologies to achieve sustainability: Blockchain-based Circular Economy approach</b>            Speaker: Dr. K. Mathiyazhakan            Head of Research Department            Thiagarajar School of Management, Madurai, Tamil Nadu, India</p>	Conference Hall
11:00-1:00 PM	<p><b>CONFERENCE TOUR (HOUSEBOAT TRIP)</b>  <i>Enjoy a houseboat experience in Ashtamudi's backwaters</i></p>	Ashtamudi Lake
1:00-2:00 PM	<b>LUNCH BREAK</b>	
2:00-2:30 PM	Awarding Ceremony	Conference Hall
2:30-2:45 PM	Vote of Thanks & Closing Remarks	Conference Hall





## Session 1A - Paper Presentations | Conference Hall | 9:00-10:00 AM

Time (IST)	Presentation Details
9:00-9:15 AM	<p>Paper ID: 5533 (Online)</p> <p><b>Enlightening Dentistry: Examining Ai for Theories, Uses and Research Challenges</b></p> <p>Saiprabha Sivakumar Inik, Mohit Soni, Vikas Rao Naidu, Santhosh John Al Salama Polyclinic, Al Wateen Dental Clinic, Middle East College, Muscat, Sultanate of Oman</p>
9:15-9:30 AM	<p>Paper ID: 5538 (Online)</p> <p><b>Enhancing Blood Cancer Recognition through Deep Learning Techniques</b></p> <p>Jain Joseph, 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>
9:30-9:45 AM	<p>Paper ID: 5540(Offline)</p> <p><b>Big Data Analytics in Business Opportunities and Challenges for Decision Making</b></p> <p>Thirupathi Regula, Hari Krishna Karri University of Technology and Applied Sciences, Muscat, Sultanate of Oman</p>
9:45-10:00 AM	<p>Paper ID: 5517(Online)</p> <p><b>Reimagining Indian Seafood Industry in the VUCA World</b></p> <p>Viju Puthusseril, Jyothi Kumar CHRIST (Deemed to be University), Bengaluru, Karnataka, India</p>



## Session 1B - Paper Presentations | Mini-Conference Hall | 9:00-10:00 AM

Time (IST)	Presentation Details
9:00-9:15 AM	<p>Poster ID: 5601(Offline)</p> <p><b>Reaching Every Corners</b></p> <p>Sabbi Lakshya</p> <p>VIT University, Vellore, Tamil Nadu, India</p>
9:15-9:30 AM	<p>Paper ID: 5535(Offline)</p> <p><b>An innovative framework for AI &amp; ML based Smart EMR systems in healthcare sector</b></p> <p>Vivek Rao Naidu, Vikas Rao Naidu, Santhosh John</p> <p>Apollo Hospital, Chennai, India, Middle East College, Muscat, Sultanate of Oman</p>
9:30-9:45 AM	<p>Paper ID: 5541(Offline)</p> <p><b>IoT Applications and Contiki OS</b></p> <p>Brijesh Jajal, Prakash Meena</p> <p>Institute of Advanced Research, Gandhinagar, Gujarat, India</p>
9:45-10:00 AM	<p>Paper ID: 5514(Offline)</p> <p><b>Pythagorean Triangular and Trapezoidal Fuzzy Assignment Problem-Formulations and its Solution</b></p> <p>Neena Uthaman, S. Dhanasekar</p> <p>Arab Open University, Muscat, Sultanate of Oman, Vellore Institute of Technology, Chennai, Tamil Nadu, India</p>

### Zoom links

Conference Hall Meeting Link:

<https://us02web.zoom.us/j/2834044327>

Mini-Conference Hall Meeting Link:

<https://us02web.zoom.us/j/85128804289?pwd=ecsdJozPIN8djG9aqSIlhYFbzCuBMn.1>

