

	Authors	Title
	Session A1	Venue: IBR 104
		Time : 10 - 12.30 PM
	Session Chair : Dr. Hussin Yahia	Session Coordinator: Mr. Yasser Al Balushi
1	Asiya Al Shammakhi, Ahmed Al Masrouri, Mansoor Al Balushi and Dr. Jimoh Adewole	Decarbonization of Aluminium Production Process using Hydrogen Enhanced Natural Gas Fuel
2	Atheer Al Maamari, Fatima Al Baluki, Anfai Al Shezawi, Abrar Al Harthi, Majid Al Ghaithi, Anteneh Mesfin Yeneneh, Muna Al Hinai and Tahereh Jafary	Efficient and Ecofriendly Water/wastewater Quality Monitoring with Microbial Fuel Cell Biosensors
3	Abdul Kalifullah and Mohamed Khaleel Ibraheem Al Windawi	Modeling and Simulation of Matrix converters for marine Electric Propulsion
6	Jawaher Al-Bulushi, Manar Al Attar, Abdulrahman Al-Marzouqi, Shama Alsaadi, Muna Al Hinai, Anteneh Mesfin Yeneneh and Tahereh Jafary	A Comprehensive Study on Valorization of Spent Coffee Grounds into Activated Carbon in Oman
7	Bayan Al Dabdoub, Reem Al Balushi, Abdullah Al Jabri, Dr.Muna Al Hinai and Dr. Tahereh Jafari	ZnO Modified Sand Filter for CO2 Capture and Conversion Into Methanol
198	Amna Al-Ajmi, Kother Al-Ajmi and Buthina Al-Moqbali	Nanomaterials for photocatalytic degradation of pharmaceutical present in wastewater
209	Alanoud Saif Alshiedi, Asma Talib Albalushi, Yaqeen Ali Almoqbali, Asma Said Al Kharusi.	PREPARATIONS AND FABRICATION OF POLYMERIC MEMBRANE FOR GAS SEPARATION
56	Reem Al Shizawi, Mariyam Al Maqbali, Haitham Alkaabi, Khadija Al Balushi, Anteneh Mesfin Yeneneh and Tahereh Jafary	MICROWAVE ULTRASONIC PRE-TREATMENT FOR ENHANCED ANAEROBIC DEGRADATION OF PHARMACEUTICAL WASTE
85	Shahla Ahmed Salman Al Balushi, Nawar Yaqoob Khalfan Al Siyabi, Maryam Talib Sulaiman Al Hasani, Almonther Maher Ahmed Altiti and Sachin Kuckian	Plastic based cost effective interlock paver blocks
17	Zeinab Abayazid Zain Elabdin Ahmed and Hussin A.M Yahia	Concept, Design, and Energy Performance of a Net Zero-Energy (NZE) Building in the Middle East Climate
57	Hamad Salim Albadaai, Yarub Nasser Alsiaby, Khalid Hashil Al Quraini, Khadija Al Balushi, Abdullah Mubarak Obide Albloshi, Anteneh Yeneneh, Tahereh Jafary and Jimoh Adewole	CO2 MINERALIZATION OF BRINE DISCHARGED FROM A DESALINATION PLANT
142	Arpita Shil	SOLAR WIRELESS EV CHARGING SYSTEM

Session A2 Venue: IBR 105 Time : 10 - 12.30 PM		
	Session Chair : Dr. Reason	Session Coordinator: Ms. Ghadeer Al Shibli
20	Roqaia Al Riyami	Technological Advancements in Import and Export Operations at Transom SATS Cargo
24	Nusrat Jahan, Syeda Umme Habiba, Sheuly Nath, Mohammed Javad Hesam and Shyamala Srinivas	Becoming a Resilient Human in a Smart Technologies world- Influence of Life Skills Development Towards Enhanced Employability Traits in Project Students, a Case Study
31	Khaled Mohamed El Khoully and Dr. Maria Teresa Matriano	A Review of the Cash flow Management Process of Bank Al Ahly, Oman
34	Amna Said Al Balushi and Dr. Maria Teresa Matriano	The Impact of Accounting Information on the Managerial Decision Making Process: Case of Oman Integrated Logistics Services Company (SAOG)
37	Hana Ossama Nabil Ahmed, Shawn Elton D Silva and Asad Ullah	Navigating the Road to Success: Reverse Logistics Solutions for End-of-Life Products
39	Shakina Akthar and Naim Ayadi	Warehouse performance measurement using Edward H. Frazelle's Warehouse Key Performance Indicator
72	Eatidal Aljahwari, Said Suliman Al-Hashmi and Jitendra Pandey	Impact of Organizational Structure on Communication and Decision-Making Processes in Logistic Sector
171	Mariam Khalid Suleiman El Mubarak	A Study on the Effectiveness of the Risk System of the Accounting and Financial Department in Oman Tower Company
50	Majid Aljassasi and Mariateresa Matriano	Evaluation on the Management of Account Receivables in Tagger Finance Company, Oman
143	Arwa Said Nasser Al Jawi Al Araiimi and Asad Ullah	EFFECT OF STORAGE SYSTEMS ON THE ORGANIZATIONAL PERFORMANCE

Session A3 Venue: IBR 106 Time : 10 - 12.30 PM		
	Session Chair : Dr. Khoula al Harthy	Session Coordinator: Ms. Manar al Afifi
27	Mohammed Mujeebuddin, Neha Nihana Uliyam Moolayil and Anjum Zameer Bhat	Enhancing Cybercrime Investigation by Recommending an Extended Computer Forensic Framework
29	Mohammed Mujeebuddin, Almahamad Nasser Rashid Al Kalbani, Raiyan Mustafa Mulla, Badar Saif Said Ali Al Hinai and Syed Imran Ali Kazmi	Smart and Cost-effective system for ransomware identification, detection, and prevention for IoT Enterprise Networks
48	Neha Nihana, Mohammed Mujeebuddin and Anjum Zameer Bhat	NN's PSPD Framework: A Defense-in-Depth Approach to Combat Phishing, SQL Injection, Password Cracking, and DNS Spoofing Attacks
49	Ali Juma Al Zadjali and Preethy Kurian	A novel model to aid desert travellers in Oman using AI techniques.
51	Sief Al Hunaiti and Mohamed Samiulla Khan	The impact of design patterns on software quality and maintainability.
54	Qabas Albahri	Design and Develop an Android Based Mobile Application for Omani Guide
58	Readab Obaid and Mr. Puttaswamy Malali	WEB APPLICATIONS FOR 3D PRINTER FILAMENT
63	Neha Nihana and Samiha Najah	"Safeguarding Information Systems: An Analysis of Security Flaws, Attacks, and Techniques"
67	Yousuf Sarker	Fuel Delivery Mobile App for OmanOil
68	Priti Jana Shil	RABONA online auction system
161	Nusrat Jahan, Hana Ossama Nabil Ahmed, Arya Virmani, Sara Al Hinai and Shyamala Srinivas	The Influence of Organizational Culture on Business Intelligence: A Literature Review
75	Hamza Jallad and Vidyha Lavanya Ramachandran	Pneumonia Detection using Deep Convolutional Neural Networks by using digital chest X-ray

Session A4 Venue: IBR 107 Time : 10 - 12.30 PM		
	Session Chair : Dr. Asadullah	Session Coordinator: Ms. Saba al Harthy
91	Maram Al Sharafi and Asad Ullah	Combining Lean and Agile Supply Chains for Top Results
93	Mohammad Javad Hesam, Nusrat Jahan, Sheuly Nath, Syeda Umme Habiba and Dr. Maria Teresa Matriano	Safar- An Affordable Tourist Guide To Solving All Tourism-Related Issues In Oman
181	Syeda Umme Habiba, Mohammad Javad Hesam and Dr. Blossom Christina	An analysis of strategies adopted by MNCs to adopt sustainability in Oman
162	Hayathim Nasser Mubarak Hamed Al Aamri and Deena R	Enhancing Transom practices to reduce the risks of the customs clearance.

Session A5 Venue: IBR 108 Time : 10 - 12.30 PM		
	Session Chair : Dr. Anjum Zameer Bhat	Session Coordinator: Ms. Suad al Qassabi
108	Fathima Hasna Zainulabdeen, Dhivya Bino and Vikas Rao Naidu	A Study: Data Analysis on the need of Sign Language Recognition Technology for Students with Speech and Auditory Impairments to aid them in Education and Employment
115	Hana Ossama, Shireen Khalifa Al Naamani, Mariam Khalid Suleiman El Mubarak and Vikas Rao Naidu	Analyzing the Impact of Information and Communication Technology in the Logistics Sector to Support Sustainability in Oman Vision 2040
116	Nishpa Das, Fathima Hasna Zainulabdeen and Vikas Rao Naidu	Advancement of Tourism in Oman using Search Engine Optimization Strategies - A Reflection
119	Ishitha Saravanan, Raiyan Mustafa Mulla, Lilibeth Reales and Vikas Rao Naidu	Information Security Risk Assessment and Management: A Comprehensive Approach
123	Sheuly Nath, Abdul Malik Sulaiman Al Jabri and Vikas Rao Naidu	Effectiveness of Smart Blackbox Technology in Monitoring Accidents of Motor Vehicles in Oman: A Reflection
126	Piyusha Mahesh Satam, Rachel Rea D'Souza and Vikas Rao Naidu	A Review of Emotion Recognition using Machine Learning
128	Raiyan Mustafa Mulla, Ishitha Saravanan, Vikas Rao Naidu and Lilibeth Reales	A Review of Privacy-Preserving Data Sharing and Collaboration in IoT Environments
107	Muhannad Salim Said Al Falahi, Bushra Al Kalbani and Vikas Rao Naidu	Impact of GeoGebra on STEM Students' Employability Skills: A Comparative Study
132	Rachel Rea Dsouza, Piyusha Mahesh Satam and Vikas Rao Naidu	The Role of Data Warehousing in Business Intelligence Systems to support rapid Decision-Making
134	Abullah Khalid Said Al Hosni, Suad Al Qassabi and Vikas Rao Naidu	The Role of Business Intelligence in Small and Medium Enterprises (SMEs) in Oman: A Reflective Study
102	Janaab Sayyida Salha Aal Said, Bashar Ahmed Mohamed Al Battashi and Vikas Rao Naidu	Stroke Prediction Using Support Vector Machines and Machine Learning - A review
191	Fadwh Mohammed Nasser Mohammed Al Huseini, Maryam Khalfan Sulaiman Al Hinai, Suad Al Qassabi and Vikas Rao Naidu	AI-Driven Decision Making: A Review of Current Trends and Future Directions in Computing and Information System

Session O1 ONLINE Time : 10 - 12.30 PM		
	Meeting Link	Click here to join the meeting
	Session Chair : Dr. Shaik Asif Hussain	Session Coordinator: Ms. Hamida Al Mamari
15	Ahmed Suleiman Said Al-Salmi, Abdul Nazeer and Jaber Al Maawali	Mechanical properties evaluation for heat treated aluminium alloy 6061
16	Ma'Ather Ali Al Barami and Hussin Yahia	Study of the Factors Influencing the Growth of Green Buildings in Oman's Construction Projects
23	Noor Abdallah Sulaiman Salim Al Abri and Aparna Agarwal	Platform for Project Collaborations across Sultanate of Oman
38	Budoor Almalki and Dhanalkshmi Venugopal	Study and solution to promote smart healthcare solutions to promote longevity of Omani Citizen
52	Thabish Kader	Issue/Bug Tracker
59	Emtithal Aljabri and Dhanalakshmi Venugopal	A sustainable solution for managing fitness among Gym goers –A smart solution to reduce obesity in the country.
60	Maya Alhashami and Dhanalakshmi Venugopal	A Smart e-saving solution to manage, calculate and visualize the individual finance savings
81	Lubna Al Hashmi and Robin Zarine	Create a smart student support solution for SSC at the Middle East College
117	Ayman Alomairi, Ghaniya Al Hadhrami and Robin Zarina	Using Automated Tour Planning System to Simplify and Enhance Holiday Experience in Oman
118	Hamed Shair Mohamed Dozi Al Balushi and Ajitha Sukumaran	A Survey on Automatic Recognition of Human Emotions from Electroencephalography Signals System
125	Sidharth Sunil, Anjum Zameer Bhat and Preethy Kurian	Blockchain as a catalyst for IoT security
92	Amani Khamis Mubarak Al Nadhiri and Maria Teresa Matriano	The Role of Public Relations in Crisis Management Among the Companies in Oman
4	Mohammed Mujeebuddin and Samiha Najah	Learning Penetration Testing in a learning virtual environment

Session O2 ONLINE Time : 10 - 12.30 PM		
	Meeting Link	Click here to join the meeting
	Session Chair : Dr. Shaik Mazhar Hussain	Session Coordinator: Ms. Maryam Al Balushi
131	Miaad Mohammed	Design and develop a mobile application for submitting complaints about road or street problem to the MOT
133	Tuqa Al Badawi, Ahmed Al Mujaini and Vikas Rao Naidu	Facilitating decision making process with Business Intelligence Systems and Data Warehouse : A Review
173	Alaa Yasser and Jitendra Pandey	Smart Schools: Enhancing Safety and Management through IoT and AI Technology
176	Aisha Al Shihhi	The impact of Employee Engagement on Employee Commitment – A Case Study on a logistic company in Oman
177	Lamees Alhajri	A Study on the Impact of Employee Welfare Programs on Employee's Performance in an Oil and Gas Company in Sultanate of Oman.
185	Laila Said Nasser Al Mandhari and Dr. Vikas Rao Naidu	The Impact of AI and Automation on HR Practices: Opportunities and Challenges
186	Amna Al Balushi and Vikas Naidu	Digital Entrepreneurship and the Globalization of SMEs: An Investigation into the Role of ICT in Oman
190	Maryam Khalfan Sulaiman Al Hinaï, Fadwh Mohammed Nasser Mohammed Al Huseini, Suad Al Qassabi and Vikas Rao Naidu	Cloud Computing and Data Analytics: Opportunities and Challenges for Information Systems
203	Meera Al Maqbali, Aisha Al Yahyaai and Reem Al Jabri	PRINT-ASSISTED MEMBRANE FABRICATION FOR PRODUCTION OF HYDROGEN-ENHANCED NATURAL GAS FUEL
211	Amna Ejaz Raja and Muhammad Saqib	Brand new E- Commerce Practices And Their Repercussions In Raising Customer Satisfaction Rates
213	Ibrahim Al Balushi, Raza Hasan and Saqib Hussain	Heart failure Prediction Using Machine Learning Algorithms
214	Saif Al Rumhi, Raza Hasan and Saqib Hussain	Lung Cancer Prediction using Machine learning Techniques

Session O3 ONLINE Time : 10 - 12.30 PM		
	Meeting Link	Click here to join the meeting
	Session Chair : Dr. Vikas Rao Naidu	Session Coordinator: Ms. Shouq Al Hashmi
136	Asma Mansoor Hamed Al Rawahi and Dr. Maria Teresa Matriano	THE OPPORTUNITIES AND CHALLENGES OF GLOBAL BUSINESS: CASE OF SIEMENS POWER COMPANY, OMAN
192	Miad Khalid Abdul Latif Al Balushi, Asala Ahmed Sulaiman Al Amri, Suad Al Qassabi and Vikas Rao Naidu	Data Privacy and Security Challenges in Big Data Analytics: A Review of Current Solutions and Future Directions
33	Hajir Alharrasi and Dr. Maria Teresa Matriano	The Role of Leadership Style In Enhancing Organizational Productivity In Oman Telecommunication Company During Covid-19
74	Sara Aljabri and Preethy Kurian	A highly interactive web-based model for House price prediction using Machine learning.
144	Zaina Saleh Al-Habsi and Hussin Yahia	A Review on Investigate Factors Influencing Cost Overrun in the Omani Construction Projects
45	Sara Alrahbi and Preethy Kurian	A framework to implement a Smart Road secured assistance application for women drivers in Oman.
206	Shaima Said Juma Al Khusaibi and Jitendra Pandey	Addressing the Challenges and Solutions of Cybersecurity in the Era of Emerging Technologies
109	Ayaa Hani, Delowar Abulkhair, Vikas Rao Naidu and Abdul Nazeer	Augmented Reality and Virtual Reality in Mechanical Engineering Education
111	Delowar Abulkhair, Ayaa Hani, Vikas Rao Naidu and Abdul Nazeer	Real-time Condition Monitoring of Industrial Machines using IoT and Mechanical Engineering Techniques
188	Amira Dhanin Ali Al Khatri, Fetoan Nabil Hamed Al Maamari and Vikas Rao Naidu	The Impact of AI and Expert Systems on Employment and Job Security: A Review
46	Darwish Albalushi and Dr.Khoula Al Harthy	Development Smart Parking System for Royal Hospital using IoT
197	Sukran Saeed and Muhammad Saqib	Revolutionizing Education with Artificial Intelligence: Opportunities and Challenges
Session B1 Venue: IBR 104 Time : 1.30 - 3.00 PM		
	Session Chair : Dr. Ali Abbas	Session Coordinator: Ms. Fatma al Shuhaimi
40	Said Al Siyabi and Shaik Mazhar Hussain	Monitoring the divers condition from the navigator through Underwater Wireless Communications
42	Farhan Farrukh Mughal, Deena Said Hamed Al Ghailani and Aparna Agarwal	Creating Renewable Energy Resource Through Kinetic Energy; a Smart City Initiative for Sultanate of Oman.
141	Zubair Shahdost Lalbaksh Albulushi	Drone Assisted Farming
124	Shaima Khalifa Ghabish Al Balushi and Dr. Vikas Rao Naidu	Social Media Marketing in Oman Vision 2040: An Analysis of Opportunities and Challenges
163	Jawahir Mohammed Nasser Al Siyabi, Wisal Khamis Al Wahaibi, Ashjan Khalifa Al Shiyadi, Irene C. Taguinod and Gazala Yusufi	Development of Smart Petrol Station Prototype using IoT Technology
165	Bushra Ali Al-Khudhuri and Preethy Kurian	AI-integrated smart board to analyze sketches to study the stress level of patients.
130	Yasmin Essam, Mohammed Izaan, Aida and Iqra Saleem	An integrated system of Blockchain with AL-SHIFA 3+ Healthcare Information System (HIS) in Oman.
11	Ahmed Ali Ahmed Al Ismaili Al Ismaili and Jitendra Pandey	Implementing Information security management system in Education organization
36	Maryam Al Balushi, Zahraa Alajmi, Maryam Alnasiri and Reem Hamed	Natural language processing and databases: Exploring the use of natural language interfaces to facilitate database querying and reporting.

Session B2 Venue: IBR 105 Time : 1.30 - 3.00 PM		
	Session Chair : Dr. Smitha Nair	Session Coordinator: Ms Afra al Hadhrami
8	Manar Alnaabi and Khoula Alharthi	Developing a smart hard hat for employees who works on construction sites
9	Fatma Al Ajmi Dr. Khoula Al Harthy	Integrate Blockchain in educational system
10	Hadeel Nasser and Khoula Al Harthy	IoT data management and challenges in logistics sector
129	Syeda Umme Habiba, Mohammad Javad Hesam, Nusrat Jahan and Sheuly Nath	An evaluation of the impact of covid-19 on the business sustainability of dhofar automotive
113	Shireen Khalifa Al Naamani, Hana Ossama Nabil, Mariam Khalid Suleiman El Mubarak and Vikas Rao Naidu	The impact of carbon emission on GCC's oil and gas sector
166	Naba Abdallah Salim Al Sanidia, Fida Yaqoob Zahran Al Shuraiqi, Shahad Salim Humaid Al Mamary, Thuraiya Saud Abdullah Al Sinani, Gazala Yusufi and Irene C. Taguinod	Development of Smart Home Prototype using IoT Technology
110	Awafi Almsharfia, Awafi Almsharfia and Awafi Almsharfia	Feasible and Smart solution to enhance the coding capacity of Omani programmers.
82	Sharifa Muhammed and Robin Zarine	Using mobile applications to target non-traditional restaurant goers for additional revenue generation.
184	Ahmed Khalfan Al Bahri, Dhanalakshmi Venugopal and Vikas Rao Naidu	An Exploratory Study on the Integration of Augmented Reality into Classroom Instruction for Improving Student Engagement to increase Employability Prospects

Session B3 Venue: IBR 106 Time : 1.30 - 3.00 PM		
	Session Chair : Dr. Vishal Dattana	Session Coordinator: Mr. Karan Ajit Jesrani
19	Yusra Nasser Abdul Halim Nasser and Hussin A.M Yahia	Exploring Construction Technology for High Rise Buildings by using Rapid Walls Technology
26	Asma Ghafoor Khan, Abdulwahid Mohamed Shariff, Majid Ghafoor Khan and Imran Ahmed	Omani Arabic Sign Language Interpretation to Text in real-time using LSTM Algorithm
99	Mariam Moustafa Saadeldin Awadalla, Piyusha Mahesh Satam, Saada Sulaiman Mohamed Said Al Rahbi and Smitha Nair	A mobile application for expenditure tracker
170	Zahraa Al Ajmi, Hadi Al Ajmi and Vikas Rao Naidu	Investigating Privacy Concerns of Wi-Fi Cameras in the Context of Smart Home Security
13	Zahraa Alrikabi and Khoula Al Harthy	RANSOMWARE IN IOT: A DIGITIZED NIGHTMARE
160	Sanada Rashid Salim Al Maamari, Mohammed Ali Al Ajmi, Gazala Yusufi and Irene C. Taguinod	Integrated Systems for Atika School
196	Ibraheem Sayeed and Abdul Malik Al Jabri	Exploring Sales Data with Apache Hadoop: Techniques and Applications
12	Abdulaziz Al Raisi and Dr.Khoula Al Harthy	Proposing Integration of Speech-Text recognition with animation education to support Deaf people.
164	Halima Al Mahrezi and Khoula Al Harthy	Adopting Blockchain in Car Treading platforms: literature review
Session B4 Venue: IBR 107 Time : 1.30 - 3.00 PM		
	Session Chair : Dr. Vidhya Lavanya	Session Coordinator: Ms. Samya Al Hashami
86	Tasnim Aldarmaki, Ashwaq Alamri, Syed Imran Ali Kazmi, Fatma Al Shuhaimi and Muhammad Sohail Hayat	IoT-enabled healthcare helps handle the challenges of the COVID-19 Pandemic
87	Buthaina Al Riyami, Syed Imran Kazmi and Muhammad Sohail Hayat	Security assessments of IoT devices employing mobile computing-Systematic literature review
88	Fadwa Al-Hilali, Raj Luhar and Mohammad Murtuza Jamaal	GPS and GSM-based Smart Vehicle Tracking System
94	Furwa Asim and Smitha Nair	DrowsyDetect: Android Application for Driver Drowsiness Detection
104	Sheikha Alrasbi and Puttaswamy Malali	Gulf Corner Mobile Application
195	Marwa Al Jahdhami and Dr. Vishal Dattana	Cloud Storage Security Compliance: An Analysis of Standards and Regulations.
106	Yahya Alabri and C Jayakumari	Breast cancer diagnosis using machine learning algorithms
Session O4 ONLINE Time : 1.30 - 3.00 PM		
	Meeting Link	Click here to join the meeting
	Session Chair : Dr. Naem	Session Coordinator: Ms. Aisha al Masroori
14	Sarah Ali Said Al-Abadi and Hussin Yahia	Analysis of factors that effects Road Traffic Accidents in Muscat City
46	Darwish Albalushi and Dr.Khoula Al Harthy	Development Smart Parking System for Royal Hospital using IoT
127	Alya Abdullah Khalifa Al Omairi and Vikas Rao Naidu	Assessing the Digital Transformation Journey of the Ministry of Interior in Oman towards Achieving Oman Vision 2040: Challenges, Opportunities, and Future Prospects
152	Liqa Balushi and Jitendra Pandey	Future impact of artificial intelligence on CyberSecurity
44	Arya Virmani and Dr. Anjum Zameer Bhatt	ARYA'S RANFRAME: A COMPREHENSIVE FRAMEWORK FOR RANSOMWARE DEFENSE.
114	Sara Al Kishri and Puttaswamy Malaly	E-commerce organic food application
187	Taif Khalid Banawas Ajzoon and Vikas Rao Naidu	The Role of Technology in Streamlining Value Added Tax Processes in Oman
30	Fidhin Jisam and Fiseha Mekonnen Guangul	Energy Auditing for Enhancement of Efficiency and Sustainability: A Case Study of Energy Utilization for Air Conditioning in Oman

