# IEEE International Conference

**Trends in Quantum Computing & Emerging Business Technologies TQCEBT22**

**Conference Schedule**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Day 1 – Pre Conference Workshop** | | | | | | |
| **Date** | **Day #** | **Time** | **Activity** | **Resource Person** | **Topic** | **Mode of Activity** |
| **13/10/2022** | **Day 1** | 9 to 11 AM | WorkShop | Ms. Aditi Vaidya,  Mr Gopal Krishna Nayak,  Mr Biman Chattopadhyay | Introduction to Quantum Computing | Online |
| 12 to 1 PM | **Lunch** | | | |
| 2 to 6 PM | WorkShop | Justyna Zawalska,  Oskar Słowik,  Jacob Cybulski,  Pawel Gora | Quantum Machine Learning | Online |
| 2 to 4 PM | WorkShop | Metaverse – Mr.Abhilash Chatterji | Quantum Finance | Online |
| 2 to 4 PM | WorkShop | Mr Koustubh Shirke | Business Intelligence | Hybrid |
| 2 to 4 PM | WorkShop | Mr. Dhananjay Bhole | Digital Accessibility | Hybrid |
| 8 to 9 PM | **Dinner** | | | |
| **Day 2 – Conference** | | | | | | |
| **Date** | **Day #** | **Time** | **Activity** | **Resource Person** | **Topic** | **Mode of Activity** |
| **14/10/2022** | **Day 2** | 08:00 to 09:30 AM | Registration | NA |  |  |
| 08:00 to 09:15 AM | Breakfast | NA |  |  |
| 09:30 to 9:40 AM | **Inauguration & Lamp Lighting** | | | |
| 09:40 to 09:50 AM | Welcome Speech | Dr Becky M Thomas |  |  |
| 09:50 to 10:00 AM | Inaugural Speech | Dr Fr Jossy P George |  |  |
| 10:00 to 10:30 AM | Address by IEEE Chair | Mr. Girish Khilari |  |  |
| 10:30 to 11:15 AM | Key Note Address | Dr. Vijay Bhatkar |  | Hybrid - CB |
| 11:15 to 11:45 AM | Key Note 2 | Dr Balakrishnan S |  | Hybrid - CB |
| 12:00 to 12:10 PM | Context to the Panel | Dr Jayant Mahajan | Journey from Quantum Physics to Quantum Computing | MB |
|  |  | 12:10 to 1:30 PM | Discussion Forum | Dr V.N.R. Pillai  Dr Sangeeta Maini,  Dr Amit Saxena,  Dr M. S. Santhanam  Dr Umakant Rapol  Dr Jayant Mahajan(Modeartor) | Hybrid |
| 1:30 PM to 2:30 PM | Networking Lunch | | | |
| 2:30 to 5 PM | Paper presentation |  |  | Hybrid |
| 7 to 9 PM | **Cultural and Dinner** | | | |
| **Day 3 – Conference** | | | | | | |
| Date | Day # | Time | Activity | Resource Person | Topic | Mode of Activity |
| **15/10/2022** | **Day 3** | 7:30 to 08:45 AM | Breakfast | | | |
| 9 to 9:30 AM | Key Note 3 | Mr Karthik Swaminathan |  | Hybrid - CB |
| 9:30 to 9:40 AM | Context to the Panel | Prof Anshul Saxena |  |  |
| 09:40 to 11:30 AM | Discussion Forum | Ms Shalaka Verma,  Dr.L Venkat Subramaniam  Dr.Amlan, Chakraborty  Mr. Jitesh Lalwani,  Ms..Aditi Vaidya,  Mr.Prashant Joshi(Moderator) | Race to Quantum Supremacy |  |
| 11:30 to 11:45 AM | High Tea | | | |
| 11:45 to 12:15 PM | Key Note 4 | CDAC - Exec Director - Bangalore | Discovering Quantum Landscape in India | Hybrid - CB |
| 12:15 to 1 PM | Valedictory | IEEE Pune Team ( Dr Neha Sharma & Dr Vivek Deshpande, Fr.Justin) |  |  |
| 1 to 2 PM | **Lunch** | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| IEEE International Conference on | | | | | |
| Trends in Quantum Computing and Emerging Business Technologies(2022) | | | | | |
| *13-14-15 Oct 2022* | | **CHRIST (Deemed to be University) Pune Lavasa Campus** | | | |
| Artificial Intelligence (AI) Track Details | | | | | |
|  | | |  | | |
| Date: 14/10/2022 | | **EBT - Artificial Intelligence (AI): Track 1** | | |  |
| Joining Link | | [**https://meet.google.com/zqs-gaff-oyd**](https://meet.google.com/zqs-gaff-oyd) | | |  |
| Sr. No. | **Time** | **Paper Id** | **Authors** | **Paper Title** | **Mode of Presentation** |
| 1 | 2:30-2:50 pm | 741 | Janhavi Ravindra Deshmukh, Georgy P Kurien and Saibal Kumar Saha | Process Optimization Using Value Stream Mapping in PCB Manufacturing | Online |
| 2 | 2:50-3:10 pm | 1621 | Deepthi B P and Lekha J | MRSP - MULTI ROUTING SYSTEMS AND PARAMETER EXPLANATIONS TO BUILD THE PATH IN UNDERWATER SENSOR NETWORK | Online |
| 3 | 3:10-3:30 pm | 3388 | Kavitha K P and Kirubanand V B | Building an Industry Standard Novel Language Model Using Named Entities | Online |
| 4 | 3:30-3:50 pm | 3674 | Garima Sethia, Sambarapu Namratha, Srikanth H and Sreeja C S | Academic Certificate Validation Using Blockchain Technology | Online |
| 5 | 3:50-4:10 pm | 1204 | Hemalatha N, Sukhetha P and Raji Sukumar | Classification of Fruits and Vegetables using Machine and Deep Learning Approach | Online |
| 6 | 4:10-4:30 pm | 1973 | Smriti Chaudhary, Binita Soni, Aditya Sindhavad, Archi Mamaniya, Ashwini Dalvi and Irfan Siddavatam | ChefAI.IN: Generating Indian Recipes with AI Algorithm | Online |
| Note: Presentation 15 minutes + Question and Answer 5 minutes | | | | | |
|  |  |  |  |  |  |
|  |  | | | | |
| Date: 14/10/2022 | | **EBT - Artificial Intelligence (AI): Track 2** | | | **Time: 2:30 to 5:00pm** |
| Joining Link | | [**https://meet.google.com/itf-yigp-gih**](https://meet.google.com/itf-yigp-gih) | | |  |
| Sr. No. | **Time** | **Paper Id** | **Authors** | **Paper Title** | **Mode of Presentation** |
| 1 | 2:30-2:50 pm | 1987 | Alok Singh Gahlot, Deepak Jangid and Ruchi Vyas | Detection of Face with Occlusion Using Deep Learning Techniques | Online |
| 2 | 2:50-3:10 pm | 4162 | Ashwini Dalvi, Vaishnavi Shah, Dhruvin Gandhi, Siddharth Shah and S G Bhirud | Name Entity Recognition (NER) Based Drug Related Page Classification on Dark Web | Online |
| 3 | 3:10-3:30 pm | 3334 | Ashwini Dalvi, Gunjan Patil and S G Bhirud | Dark Web Marketplace Monitoring - The Emerging Business Trend of Cybersecurity | Online |
| 4 | 3:30-3:50 pm | 7706 | Kanika Singh Rajpoot and A. Arockia Bazil Raj | Cognitive Radar for Target Tracking | Online |
| 5 | 3:50-4:10 pm | 7872 | Hafizullah Mahmudi, Rupal Bhargava and Rik Das | Evaluation of Gradient Boosting Algorithms on Balanced Home Credit Default Risk | Online |
| 6 | 4:10-4:30 pm | 1503 | Pradhan Nayak, Lakshmi J V N and Vandana V. Bhagat | Topic Modelling of ongoing conflict between Russia and Ukraine | Online |
| Note: Presentation 15 minutes + Question and Answer 5 minutes | | | | | |
|  |  |  |  |  |  |
| Date: 14/10/2022 | | **Artificial Intelligence (AI): Track 3** | | | **Time: 2:30 to 5:00pm** |
| Sr. No. | **Time** | **Paper Id** | **Authors** | **Paper Title** | **Mode of Presentation** |
| 1 | 2:30-2:50 pm | 1603 | Atishay Jain, Pancinovia Neelu M, Shreyans Jain and Jossy P. George | A Non-Linear Approach to Predict the Salary of NBA Athletes using Machine Learning Technique | Offline |
| 2 | 2:50-3:10 pm | 1699 | Somya Gupta, Andrea Rodrigues, Parul Joshi and Jossy George | An effective Approach for Pneumonia Detection using Convolution Vision Transformer | Offline |
| 3 | 3:10-3:30 pm | 2635 | Gayathri Bharathan, Anshul Saxena, Dr. Prajakta Yawalkar, Dr. Rohit Sharma, Dr Abhijeet Birari and Dr Sunil Vakayil | Subscriber Preference and Content Consumption Pattern toward OTT platform: An Opinion Mining | Offline |
| 4 | 3:30-3:50 pm | 3658 | Rahul Janardanan, Abhijeet Birari, Rohit Sharma, Prajakta Yawalkar and Lakshmi Subramani | Perception and Practices of EdTech Platform: A Sentiment Analysis | Offline |
| 5 | 3:50-4:10 pm | 4177 | Jobin Jacob, Vijayalakshmi O J, Benny J Godwin and Preethi N | Paradigm of Green Technologies in Hospitality Industry and its Sustainability Analytics | Offline |
| 6 | 4:10-4:30 pm | 6788 | Stanny Dias, Jayant Mahajan and Benny Godwin | Antecedents of Adoption of Peer to Peer (P2P) Lending – A Fintech Innovation in India | Offline |
| Note: Presentation 15 minutes + Question and Answer 5 minutes | | | | | |
|  |  |  |  |  |  |
| Date: 14/10/2022 | | **Artificial Intelligence (AI): Track 4** | | | **Time: 2:30 to 5:00pm** |
| Sr. No. | **Time** | **Paper Id** | **Authors** | **Paper Title** | **Mode of Presentation** |
| 1 | 2:30-2:50 pm | 5933 | Asinthara K, Meghna Jayan and Lija Jacob | A Tweet based Disaster Classification | Offline |
| 2 | 2:50-3:10 pm | 7722 | Asutosh Rath, Duggaraju Vimala, Hridaya B and Jossy George | Multilingual Sentiment Analysis of YouTube Live Stream using Machine Translation and Transformer in NLP | Offline |
| 3 | 3:10-3:30 pm | 8109 | Aryan Bajaj, Preethi N, Benny J Godwin and Jossy P George | An Intelligent Stock Market Automation with Conversational Web Based Build Operate Transfer (BOT) | Offline |
| 4 | 3:30-3:50 pm | 8816 | Benny J Godwin, Preethi N and Jossy P George | Sustainable Supply Chain Analytics for Anomalously Potential Fraudulent Logistics | Offline |
| 5 | 3:50-4:10 pm | 9795 | Pritha Mitra and Dr. Lija Jacob | FAKE NEWS DETECTIONS AND CLASSIFY THE CATEGORY | Offline |
| Note: Presentation 15 minutes + Question and Answer 5 minutes | | | | | |
|  | | | | | |
|  |  | | | | |
| Date: 14/10/2022 | | **Healthcare Analytics (HA): Track 5** | | | **Time: 2:30 to 5:00pm** |
| Joining Link | | <https://meet.google.com/osu-vyyk-wyb> | | | |
| Sr. No. | **Time** | **Paper Id** | **Authors** | **Paper Title** | **Mode of Presentation** |
| 1 | 2:30-2:50 pm | 349 | Sreeja C S and Mohammed Misbahuddin | Anticounterfeiting Method for Drugs Using Synthetic DNA Cryptography | Online |
| 2 | 2:50-3:10 pm | 616 | Anand Kumar Gupta, Dr. Avinash Sharma, Dr. Asadi Srinivasulu, Dr. Tarkeshwar Barua, Dr. Sivaram Rajeyyagari and Dr. Madhusudhana Subramanyam | Early Prediction and Analysis of Mammary Glands Cancer through Deep RNN Approach | Online |
| 3 | 3:10-3:30 pm | 1211 | Shiju Thomas M.Y., Addapalli V N Krishna and Bindiya M Varghese | A CNN model to predict and segment cancerous regions from brain images using UNet and morphological operations | Online |
| 4 | 3:30-3:50 pm | 2262 | Marie Joseph Gerard Rassendren, Joshy Joseph Karakunnel, Joseph Varghese Kureethara, Swetha Loganathan and Anuhya Korrapati | Rebuilding the Capabilities for Post COVID-19 Pandemic: Issues and Challenges of Bangalore Model of Development | Online |
| 5 | 3:50-4:10 pm | 1094 | Dr. Asadi Srinivasulu, Dr. Avinash Sharma, Anand Kumar Gupta,Dr. Tarkeshwar Barua, Dr. Sivaram Rajeyyagari and Dr. Madhusudhana Subramanyam | COVID-19 Data Analytics using Extended Convolutional Technique | Online |
| Note: Presentation 15 minutes + Question and Answer 5 minutes | | | | | |
|  |  |  |  |  |  |
|  | |  | | | |
| Date: 14/10/2022 | | **Healthcare Analytics (HA): Track 6** | | | **Time: 2:30 to 5:00pm** |
| Joining Link | | <https://meet.google.com/iqd-dowk-qra> | | | |
| Sr. No. | **Time** | **Paper Id** | **Authors** | **Paper Title** | **Mode of Presentation** |
| 1 | 2:30-2:50 pm | 4775 | Shubhra Prakash and Ramamurthy B | Comparison of Augmentation and Preprocessing Techniques for Improved Generalization Performance in Deep Learning based Chest X-Ray Classification | Online |
| 2 | 2:50-3:10 pm | 5773 | Shakti Kinger, Aradhya Tagalpallewar, Reuben Roy George, Kaustubh Hambarde, and Piyush Sonawane | Deep Learning Based Cotton Leaf Disease Detection | Online |
| 3 | 3:10-3:30 pm | 6526 | Hasan Mustafa, Sai Nandan Morapakula, Prateek Jain and Srinjoy Ganguly | Variational Quantum Algorithms for Chemical Simulation and Drug Discovery | Online |
| 4 | 3:30-3:50 pm | 6793 | Jayaraj Ramasamy, Dr. Ruchi Doshi and Dr. Kamal Kant Hiran | Detection of Brain Tumor in Medical Images Based on Feature Extraction by HOG and Machine Learning Algorithms | Online |
| 5 | 3:50-4:10 pm | 8603 | Harsh Pathak, Hafizullah Mahmudi, Rik Das, Rupal Bhargava and Chandrani Singh | Predicting ICU admissions based on preconditions and comorbidity for SARS COV2 infected patients | Online |
| Note: Presentation 15 minutes + Question and Answer 5 minutes | | | | | |
|  | | | | | |
| Date: 14/10/2022 | | **Quantum Computing (QC): Track 7** | | | **Time: 2:30 to 5:00pm** |
| Joining Link | | [**meet.google.com/skk-fycw-bdx**](file:///C:\Users\gupta\Downloads\meet.google.com\skk-fycw-bdx) | | | |
| Sr. No. | **Time** | **Paper Id** | **Authors** | **Paper Title** | **Mode of Presentation** |
| 1 | 2:30-2:50 pm | 356 | Varsha Nayak and Varun Sahu | Quantum Approach To Optimize Aircraft Cargo Loading | Offline |
| 2 | 2:50-3:10 pm | 1366 | Rik Das | Quantum Machine Learning based Computer Aided Diagnosis of Skin Cancer: A Statistical Performance Analysis over Classical Approach | Online |
| 3 | 3:10-3:30 pm | 1694 | Gautham Govind Anil and Anil Prabhakar | Performance Analysis: Vehicle Routing using Quantum Annealing | Online |
| 4 | 3:30-3:50 pm | 2007 | Mekala Karthik, Jitesh Lalwani and Babita Jajodia | Quantum Image Teleportation Protocol (QITP) and Quantum Audio Teleportation Protocol (QATP) by using Quantum Teleportation and Huffman Coding | Offline |
| 5 | 3:50-4:10 pm | 8612 | Mohamed Amine Garrach, Chetan Waghela, Mahima Mary Mathews and Sreekuttan L S | Benchmarking of Lattice based post quantum cryptographic algorithms | Online |
| 6 | 4:10-4:30 pm | 8035 | Rahul Rana, Janani Seshadri, Aniket Sinha, Rohit Thingbaijam, Pranav Shah and Sudhakara Poojary | Quantum Applications in Logistics | Offline |
| 7 | 4:30-4:50 pm | 4095 | Aman Chandra, Jitesh Lalwani and Babita Jajodia | Towards an Optimal Hybrid Algorithm for EV Charging Stations Placement using Quantum Annealing and Genetic Algorithms | Offline |
| 8 | 4:50-5:10 pm | 7946 | Manish Modani, Anindita Banerjee, Abhishek Das | Performance analysis of quantum algorithms on Param Siddhi-AI system | Online |
| Note: Presentation 15 minutes + Question and Answer 5 minutes | | | | | |
|  |  |  |  |  |  |
| TQCEBT2022 | | <https://meet.google.com/zuf-gmbm-msc> | | | |
| Date: 14/10/2022 | | **Quantum Computing (QC): Track 8** | | | **Time: 2:30 to 5:00pm** |
| Sr. No. | **Time** | **Paper Id** | **Authors** | **Paper Title** | **Mode of Presentation** |
| Joining Link | | [**meet.google.com/hrp-fwrg-fxh**](file:///C:\Users\gupta\Downloads\meet.google.com\hrp-fwrg-fxh) | | | |
| 1 | 2:30-2:50 pm | 4787 | Mekala Karthik, Jitesh Lalwani and Babita Jajodia | Proposed Quantum Text Teleportation Protocol (QTTP) for Secure Text Transfer by using Quantum Teleportation and Huffman Coding | Online |
| 2 | 2:50-3:10 pm | 5233 | Ashwini Dalvi, Soham Bhoir, Irfan Siddavatam and S G Bhirud | Dark Web Image Classification Using Quantum Convolutional Neural Network | Online |
| 3 | 3:10-3:30 pm | 6755 | Rajlaxmi Vilas Bhoite and Sreekuttan L S | Benchmarking Quantum Algorithms Against Xanadu, IBM and Google Quantum Computers | Online |
| 4 | 3:30-3:50 pm | 7876 | Preethi Nanjundan, Chandrasekaran S, Aabhas Vij and Jossy P. George | Quantum Information Processing for Legal Applications through Bloch Sphere of Law | Online |
| 5 | 3:50-4:10 pm | 2618 | S Lokes, Palaniyappan Sathyaprakash, C Sakthi Jay Mahenthar, Vaithiyashankar Jayakumar and S Parvatha Kumaran | Implementation of Quantum Deep Reinforcement Learning for Variational Quantum Circuits | Online |
| 6 | 4:10-4:30 pm | 9860 | Harsh Soni, Ruchi Vyas and Kamal Hiran | SELF-AUTONOMOUS CAR SIMULATION USING DEEP Q-LEARNING ALGORITHM |  |
| 7 | 4:30-4:50 pm | 8724 | Saswati Soumya Tripathy, Neerja Koul and Hemil Patel | Comparative Study between Quantum and Classical Methods: Few Observations from Portfolio Optimisation Problem | Online |
| Note: Presentation 15 minutes + Question and Answer 5 minutes | | | | | |