Department of Computer Science and Engineering
School of Engineering and Technology
GIET UNIVERSITY, GUNUPUR

International Conference on Next Generation of Internet of Things (ICNGIoT-2021)

ICNGIoT-2021 Conference Schedule

5th Feb 2021 (Day – 01)		
Sl. No.	Activity	Time (IST)
01	**Conference Inaugural**	**09:30 AM – 11:00 AM**
02	**Keynote - 01** **Dr. Valentina Emilia Balas** Faculty of Engineering, Aurel Vlaicu University of Arad, Romania	11:30 AM – 12:15 AM
03	**Keynote – 02** **Dr. Aninda Bose** Senior Editor, Springer Nature	12:15 PM – 12:55 PM
04	**Keynote - 03** **Dr. Sudip Misra** Department of Computer Science and Engineering, Indian Institute of Technology, Kharagpur, India	12:55 PM – 01:40 PM
05	**Parallel Technical Session-I** Venue Lab:1: Session 1(IoT, Blockchain and Virtualization) Venue Lab:2: Session 2 (Data Science and Data Analytics) Venue Lab3: Session 3 (IoT Sensors, Privacy and Security)	03:00 PM – 05:00 PM
06	**Cultural Program**	05:30 PM – 06:30 PM

Sl. No.	Activity	Time (IST)
6th Feb 2021 (Day – 02)		
01	**Keynote - 04** **Dr. Siba K. Udgata** School of Computer and Information Sciences, University of Hyderabad, India	10:30 AM - 11:15 AM
02	**Keynote - 05** **Dr. Dmitry A. Zaitsev** Odessa State Environmental, University, Ukraine	11:15 AM - 11:45 AM
03	**Keynote - 06** **Dr. Dana Rad** Aurel Vlaicu University of Arad, Romania	11:45 AM - 12:30 PM
04	**Parallel Technical Session-II** Venue Lab:1: Session 1(IoT, Blockchain and Virtualization) Venue Lab:2: Session 2 (Data Science and Data Analytics) Venue Lab3: Session 3 (IoT Sensors, Privacy and Security)	12:45PM - 02:00PM
05	**Keynote - 07** **Dr. Kenan KILIÇ** Engineering Faculty, Niğde Ömer Halisdemir University, Turkey	03:00 PM - 03:45 PM
06	**Keynote - 08** **Dr. João Manuel R. S. Tavares**, Faculdade de Engenharia da Universidade do Porto, Portugal	03:45 PM - 04:30 PM
07	**Keynote - 09** **Dr. Laxmi Parida**, IBM Fellow, Master Inventor, IBM T. J. Watson Research Center, USA	04:30 PM - 05:15PM
08	**Valedictory Session**	05:30 PM - 06:00PM

Program	Google Meet Link
• **Inaugural Ceremony** • **Cultural Program** • **Keynote#** 1, 2, 3, 4, 5, 6, 7, 8, 9 • **Valedictory Session**	meet.google.com/hio-pvde-iqc
• **Parallel Technical Session - I**	
➢ Lab1:Session1- IoT, Blockchain and Virtualization	meet.google.com/jcb-janw-uvg
➢ Lab2:Session2 - Data Science and Data Analytics	meet.google.com/bvu-cjoe-fva
➢ Lab3:Session3 - IoT Sensors, Privacy and Security	meet.google.com/erd-uiqz-yyt
• **Parallel Technical Session - II**	
➢ Lab1: Session 1 - IoT, Blockchain and Virtualization	meet.google.com/jcb-janw-uvg
➢ Lab2:Session 2 - Data Science and Data Analytics	meet.google.com/bvu-cjoe-fva
➢ Lab3:Session 3 - IoT Sensors, Privacy and Security	meet.google.com/erd-uiqz-yyt

Day – 01 (5th Feb 2021) Parallel Technical Session - I Details

Session No./Venue	Chair and Co-Chair	Paper to be Presented
Lab-1: Session 1 (IoT, Blockchain and Virtualization)	**Dr. Manju Khari,** Netaji Subhas University of Technology, Delhi **Dr. Nilamber Sethi,** GIET University Coordinator: Mr. Debabrata Dansana GIET University	1. **Identification of Premature Diagnosis for Detection Of Brain Tumor Using Blockchain Strategy** Artatrana Biswaprasan Dash, Biswaranjan Mishra, Amar Nath Singh 2. **Machine Learning based Ambient Temperature Estimation using Ultrasonic Sensor** Ajit Kumar Sahoo and Siba K Udgata 3. **Non-Functional Testing based Framework For Developing Reliable IoT Products** Jasmine K S 4. **IoT Based Smart Security System on a Door Lock Application** Debabrata Dansana, Brojo Kishore Mishra, K.Sindhuja, 2SubhashreeSahoo 5. **Deep Things-Net: A Novel approach for Glitch detection in IoT devices using Deep Iterative Learning** Thirumurugan Shanmugam, Jamal Abdullah Al-Zahli and S. Radha Rammohan 6. **Validation and Feasibility of Differentially Private Local Aggregation of Real-TimeData Streams from Resource-Constrained Healthcare IoT Edge Devices** Niramay Vaidya, Srishti Shelke, Snehkumar Shahan ,and Jibi Abraham 7. **Imbalanced Classification for Botnet Detection in Internet of Things** Deepa Krishnan, Preeja Babu 8. **Blockchain-enabled IoT Security in Automotive Supply Chain** Sonali Patwe and Shraddha Phansalkar 9. **Edge Technology Enabled IOT Blockchain based Health Monitoring for Chronically Sick Patients** M. Shyamala Devi, P Swathi, MNitesh Kumar Sah, Ayesha Jahangir, Shubham Santhosh Upadhyay 10. **Prediction Communication Time and Data Size Based-Bluetooth in Mobile Crowdsensing for IoT** Abbas M. Ali Al-muqarm and FurkanRabee
Lab-2: Session 2 (Data Science and Data Analytics)	**Dr. Samarjeet Borah,** Sikkim Manipal Institute of Technology, Sikkim **Dr. Neelmadhav Padhy,** GIET University	1. **Cuckoo Search Applied Path Planning of Twin Robot in Multi-Robot Environment** Bandita Sahu, Pradipta Kumar Das, Manas Ranjan Kabat 2. **Change Point Detection Technique for Weather Forecasting Using BI-LSTM and 1D-CNN Algorithm** Selvi S, Bala Nivetha V, Divya R, Gayathri S, Pavithra G.S 3. **Enhancement The ChaCha20 Encryption Algorithm based on Chaotic Maps** Hussain H. Alyas, Alharith A. Abdullah 4. **Behavior Analysis for Human by Facial Expression Recognition using Deep Learning: A Cognitive Study**

Coordinator: Mr. Sudheer Babu GIET University		Sudheer Babu, Sanjay Kumar Kuanar and TusarKanti Mishra 5. **Implications of E- Learning in Education: An Analysis** Deepanjali Mishra 6. **Analysis of use of social networking sites for the education by Ministry of Higher education** Boshra F. Zopon Al_bayaty , Methaq Talib Gaata, Yasmin Makki Mohialden 7. **Web based Car Workshop Management System – A Review** Mritha Ramalingam, Geetha Manoharan and R. Puviarasi 8. **Recognition of The Researchers Faces in Images using Convolutional Neural Networks (CNN)** Ashwan A. Abdulmunem, Zinah Abdulridha Abutiheen and Zahraa A. Harjan 9. **Intelligent Healthcare Monitoring System using Cloud Computing** Dr. S. Srinivasan, S. Prasanna Bharathi, G.Chamundeeswari and Dr. P. Muthu Kannan 10. **Enhancement of the U-net Architecture for MRI Brain Tumor Segmentation** Assef Raad Hmeed, Salah A. Aliesawi, Wesam M. Jasim
Lab3: Session 3 (IoT Sensors, Privacy and Security)	**Dr. Kavita Sarma,** G.L.Bajaj Institute of Technology and Management, Greater Noida **Dr. K. Murli Gopal**, GIET University Coordinator: Mr. Bhabani Sankar Panda GIET University	1. **Performance analysis of Duobinary and CSRZ Modulation Formats on Self Phase Modulation Effect in Optical Communication Network using Fiber Bragg Grating (FBG)** Tushar Kant Panda, A.B. Mukesh kumar Behera, Guriya Kumari, and Swadhin Polei 2. **Analyzing Multidimensional Communication Lattice with Combined Cut-through and Store-and-forward Switching Node** Dmitry A. Zaitsev, Tatiana R. Shmeleva, and Roman N. Guliak 3. **Implementation of Artificial Neural Network for Image Recognition using Chinese Traffic Sign Image Dataset** Manisha Vashisht and Brijesh Kumar 4. **Gaming: Around the world geography** Sunita, Tamanna Jain, Sudhir Kumar Sharma 5. **Smart Blind Stick for Blind People** Urmila Pilania, Ashwani Kaushik, Yatharth Vohra, Shikhar Jadaun 6. **Attacking the application of Three-Pass Protocol in Hill-Cipher** Rifaat Z. Khalaf, Hamza B. Habib, Sarkesh Khalid Aljaff 7. **Secure Data Sharing Based on Linear Congruetial Method in Cloud Computing** Rana Mohamed .H. Zaki, Teaba Wala AldeenKhairi, Akbas Ezaldeen Ali 8. **Designing and Improving NG-PON2-RoF with Inelastic Scattering and Non-Linear Impairments by Signal Processing Techniques** Mohamed Ahmed AbdulNabi, WasanKadhim Saad, Bashar J. Hamza

		9. **Performance Improvement in Oracle Database Using ADDM Technology**
		GhusoonIdan Arb, Nadia Moqbel Hassan Alzubaydi
		10. **An Efficient Framework for Locating Stroke in Brain MRI Images using Radon Transform and Convolutional Neural Networks**
		R.Rajagopal and S.Edwin Jose

Day 2 (6th Feb 2021) Parallel Technical Session – II Details		
Session No./Venue	**Chair and Co-Chair**	**Paper to be Presented**
Lab-1: Session 1 (IoT, Blockchain and Virtualization)	**Dr. Anirban Mitra,** AMITY University, Kolkata **Dr. Pramanshu Shekhar Rath,** GIET University Coordinator: Mr. S. Gopal K Patro GIET University	1. **IoT-Malware Classification Model using Byte Sequences and Supervised Learning Techniques** Om Prakash Samantray, Satya Narayan Tripathy 2. **Implementing Cyber Security in IOT Using ipai Alogorithm** A.V.Kalpana, D.Digvijay, R.Chenchaiah and C. Sai Vignesh 3. **OCR based Automatic Toll Collection and Theft Vehicle Detection using IoT** A.V.Kalpana, K. Kavitharani, M. Nandhini 4. **COVID-19 Patıent Health Management System Usıng IoT** P. Ramchandar Rao, Ch.Rajendra Prasad, Sridevi Chitti, Shyamsunder Merugu, J.Tarun Kumar 5. **Water Body Detection of Hadith Dam Lake from Satellite Imagery Using Image Processing Techniques** Rabah N. Farhan and Sawsan Abdulaali Arif 6. **IOT Based V-TANK** A.Sai Nandan, B.Sai Sumanth, R. Lilith Kumar, M.P.Karthikeyan 7. **Securing of Software-Defined Networking (SDN) from DDoS Attack Using a Blockchain** Mehdi Ebady Manaa and Mohamed Salman Abed oun 8. **Investigation the Receiver Complexity of a Three-Dimensional OCDMA System based on Different Codes** Rasim Azeez Kadhim and Suhad Shakir Jaber 9. **Efficient Design for Square RFID tag** Furkan Rabee and Daniah Mohammed 10. **Health Cloud - Healthcare As A service** D. MuthukumaranR , K. Umapathy, S. , Omkumar
Lab-2: Session 2 (Data Science and Data Analytics)	**Dr. Pradeep Tiwari,** Manipal University Jaipur **Dr. Debashreet Das,** GIET University Coordinator: Mr. Chandrakant Mahanty GIET University	1. **Chatbots as A Game Changer in E-Recruitment: An Analysis of Adaptation of Chatbots** Swapna. H. R, Arpana. D 2. **How societies and businesses will technologically evolve with COVID-19** Catarina Costa and Sara Paiva 3. **Performance Evaluation of Nanorobot Drug-Delivery Mechanism for Breast Cancer** A.R. Venmathi and L. Vanitha 4. **A Correlation and Slope Based Neighbor Selection Model for Recommender Systems** JehanKadhim Shareef AL-SAFI, CihanKaleli 5. **Classification of Sickle Cell Anemia Using Energy Based KNN Classifier** Dr. M.Vadivel, Dr. V. Vijaya Baskar, Dr. V. G. Sivakumar and Dr. S.P. Vimal

		6. **Binary Image Encryption Based on Chaotic and DNA Encoding** Sheimaa A. Hadi, Suhad A. Ali and Majid Jabbar Jawad 7. **Brand Quality Detection Based on a Comparative Analysis** Raji C.G,Vinish A, Amrutha K, Drusya K, Munawara A, and Sarthaja 8. **Novel Method for Relative Automobile Maintenance Index for Smart Cities** Navin Sridhar and Kamalnath Venkateswaran 9. **Computer Vision Based Framework for Anomaly Detection** Rashmi Chaudhary and Manoj Kumar 10. **Identity -Based Data Outsourcing with Comprehensive Auditing in Cloud Based Health Care Applications** K Rakesh, B Krishna Teja, M Venkata Akhil, T Ramesh
CSB-3: Session 3 (IoT Sensors, Privacy and Security)	**Dr. Srijan Bhattacharya,** RCC Institute of Information Technology, Kolkata **Dr. Jyotimay Mishra,** GIET University Coordinator: Mr. Sibo Prasad Patro GIET University	1. **Unsupervised classification approach for anomaly Detection in Big data streams** Ravi Kishan Surapaneni, Dr Sailaja Nimmagadda, K Pragathi 2. **Evaluating the effects of varying model parameter values on the characteristics of a photovoltaic module** Ameer Ali Kareem, AlaaAbdalhussain Mashkor, Naseem K. Baqer 3. **Forwarding Information Base Design Techniques in Content Centric Networking: A Survey** Mohammad Alhisnawi 4. **A Comprehensive Survey on Software Defined Network Controllers** Roaa Shubbar, Mohammad Alhisnawi, Alaa Abdulhassan, Mahmood Ahamdi 5. **Intrinsic and Simplified Complex Network Embedding Model** Ahmad F. Al Musawi and Preetam Ghosh 6. **Design and Implementation of a Computerized Library Management System Using GUI** Alaa Hussein Ali Al-Obaidi 7. **Wireless Sensor Network (WSN) Routing Optimization via the Implementation of Fuzzy Ant Colony (FACO) Algorithm: Towards Enhanced Energy Conservation** Ahmed J. Obaid 8. **JOJO – A Social Media Application with a Live Map Interface to Advance Social Security** Abhishek Pughazhendhi, Sri Balaji Muruganandam and Dr. B. Sridevi 9. **Detection of Leukemia and Its Types Using Combination of Support Vector Machine and K-Nearest Neighbors Algorithm** Santhosh Krishna B V, Jijin Godwin J,Tharanee Shree S, Sreenidhi B, Abinaya T 10. **Information Gain Based Enhanced Classification Techniques** Enas Fadhil Abdullah, Alyaa Abdulhussein Lafta and Suad A. Alasadi