

# Proceedings of ICRIC-2020: Recent Innovations in Computing

Editors: Dr. Yashwant Singh<sup>1</sup>, Dr. Pradeep Kumar Singh<sup>2</sup>, Dr. Arpan Kumar Kar<sup>3</sup>, Dr. Maheshkumar H. Kolekar<sup>4</sup>, Dr. Sudeep Tanwar<sup>5</sup>

<sup>1</sup>Central University of Jammu, Jammu, India, <sup>2</sup>Jaypee University of Information Technol, Dept. of Computer Science & Engineering, 173234 Wanknaghat, Solan, India, <sup>3</sup>Indian Institute of Technology Delhi, Saheed Jeet Singh Marg, 110016 Hauz Khas, New Delhi, <sup>4</sup>IIT Patna, Patna, India, <sup>5</sup>Nirma University, Institute of Technology, Ahmedabad, India

ID	Author's Name	Title	Affiliation	Time
<b>Track 1: Advanced Computing ( Session Chair(s): Prof Neeraj Kumar and Dr. Yashwant Singh)(Sesion 1: 11: 00 AM to 12:00 NOON and Session 2: 12:00 PM to 13:00 PM)</b>				Dated: 05-06-2020
14	Shamneesh Sharma	Performance Analysis of Commodity Server with Freeware Remote Terminal Application in Homogeneous and Heterogeneous Mutli-Computing Environments	Department of Computer Applications School of Computer Science & Engineering Poornima University, Jaipur, Rajasthan India	11:00 AM to 11: 10 AM
	Manoj Manuja		Rayat Bahra University, Mohali, Punjab, India	
	Digvijay Puri		Senior Faculty (Information Technology) iNurture Education Solution, Banglore, India	
24	Manpreet Singh Bajwa	Machine Learning based Information Retrieval System	Department of Computer Science & Eng, CGC College of Engineering, Chandigarh Group of Colleges, Landran, Punjab	11:10 AM to 11: 20 AM
	Ravi Rana		Department of Computer Science & Eng, CGC College of Engineering, Chandigarh Group of Colleges, Landran, Punjab	
	Geetanshi Bagga		Department of Computer Science & Eng, CGC College of Engineering, Chandigarh Group of Colleges, Landran, Punjab	
28	Neha Agarwal	Web Service Clustering Approaches to Enhance Service Discovery: A Review	Department of Computer Science and Engineering, Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab, India	11:20 AM to 11:30 AM
	Geeta Sikka		Department of Computer Science and Engineering, Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab, India	
	Lalit Kumar Awasthi		Department of Computer Science and Engineering, Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab, India	
	Aridaman Singh Nandan	Path Finding Using PSO Cooperated With Randomized Noise Functions	National Institute of Technology, Jalandhar, India	

36	Geeta Sikka		National Institute of Technology, Jalandhar, India	11:30 AM to 11:40 AM
40	SimmiBagga	A Comparative Study of NoSQL Databases	Lovely Professional University,Phagwara India	11:40 AM to 11:50AM
	Anil Sharma		Lovely Professional University,Phagwara India	
45	Kamal Deep	SMT versus NMT: an experiment with Punjabi - English	Punjabi University, Patiala, India	11:50 AM to 12:00 NOON
	Ajit Kumar		Multani Mal Modi College, Patiala, India	
	Vishal Goyal		Punjabi University, Patiala, India	
46	Arjun Dubey	Performance Enhancement of MIMO Configurations in FSO System under Different Weather Conditions	Chandigarh University	12:00 Noon to 12:10 PM
	Harmeet Singh		Chandigarh University	
48	Misbah Manzoor Kiloo	A Low Power Hara Inductor based Differential Ring Voltage Controlled Oscillator	Department of Electronics and Communication Engineering, Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir, India	12:10 PM to 12:20 PM
	Vikram Singh		Department of Electronics and Communication Engineering, Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir, India	
	Mrinalini Gupta		Department of Electronics and Communication Engineering, Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir, India	
	Shruti Jain	Design and Simulation of Optimum Digital Filter for Removal of Power Line Interference Noise	Jaypee University of Information Technology, Solan, India	

55	Manasvi Kashyap		Jaypee University of Information Technology, Solan, India	12:20 PM to 12:30 PM
	Mohit Garg		Jaypee University of Information Technology, Solan, India	
	Shailu Srivastava		Jaypee University of Information Technology, Solan, India	
84	Osunlana Ismail	Centralized Blood Bank Database and Management System	Covenant University, Ogun state, Nigeria.	12: 30 PM to 12:40 PM
	Sanjay Misra		Covenant University, Ogun state, Nigeria.	
	Jonathan Oluranti		Covenant University, Ogun state, Nigeria.	
	Ravin Ahuja		Shri Vishwakarma Skill University, Gurgaon, India	
90	Attah Amarachi Rita	Effect of Supercapacitor on Power Supply for Rechargeable Implanted Medical Devices	Covenant University, Ota, Ogun State	12:40 PM to 13:00 PM
	Sanjay Misra		Covenant University, Ota, Ogun State	
	Ravin Ahuja		Shri Vishwakarma Skill University, Gurgaon, India	
	Jonathan Oluranti		Covenant University, Ota, Ogun State	
<b>Track 2: Intellegent Networking ( Session Chair(s): Dr. Pradeep Kumar Singh and Dr. Bhavna Arora)(Sesion 1: 11: 00 AM to 12:00 NOON and Session 2: 12:00 PM to 13:00 PM)</b>				
17	Rohit Ramteke	Particle Swarm Optimization and Genetic Mutation based Routing Technique for IoT Based Software-Defined WSNs	Department of Computer Science & Engineering Dr. B R Ambedkar National Institute of Technology Jalandhar, Punjab, India	11:00 AM to 11: 10 AM
	Samayveer Singh		Department of Computer Science & Engineering Dr. B R Ambedkar National Institute of Technology Jalandhar, Punjab, India	
21	Sanjeev Dhawan	Defining and Evaluating Network Communities based on ground-truth in Online Social Networks	Department of Computer Science & Technology, Manav Rachna University, Faridabad, Haryana, India	11:10 AM to 11: 20 AM
	Kulvinder Singh		Department of Computer Science & Engineering University, Institute of Engineering & Technology (U.I.E.T), Kurukshetra University, Kurukshetra, Haryana, India.	
	Amit Batra2		Department of Computer Science & Engineering University, Institute of Engineering & Technology (U.I.E.T), Kurukshetra University, Kurukshetra, Haryana, India.	
42	Amandeep Kaur	Microstrip Antenna Design With Truncated Edges for Bandwidth Improvement for Wireless Applications	Lovely Professional University, Phagwara Punjab	11:20 AM to 11:30 AM
	Praveen Kumar Malik		Lovely Professional University, Phagwara Punjab	
	Arwinder Singh	A Deep Network Model for Paraphrase Detection in Punjabi	Mata Sundri University Girls College, Mansa,Punjab	

68	Gurpreet Singh		Punjabi University, Patiala, Punjab	11:30 AM to 11:40 AM
86	Km.Brajesh	Design and Development of Software and Hardware Modules of Bio-impedance System Using LT-Spice	Department Of Electrical Engineering Gautam Buddha University Greater Noida 201308 U.P.,INDIA	11:40 AM to 11:50AM
	Kirti Pal		Department Of Electrical Engineering Gautam Buddha University Greater Noida 201308 U.P.,INDIA	
	Munna Khan		Department of Electrical Engineering Jamia Millia Islamia University, New Delhi 110025, INDIA	
104	Dishant Khosla	Investigations on designs of Dielectric Resonator Antennas (DRA) for C band applications	Chandigarh Group of Colleges, Landran, Mohali, Punjab, India	11:50 AM to 12:00 NOON
	Kulwinder Singh Malhi		Punjabi University Patiala, Punjab, India	
105	Amandeep Kaur	Planar Rectangular Microstrip Patch Antenna Design for 25GHz Wireless Applications	Lovely Professional University, Jalandhar	12:00 Noon to 12:10 PM
	Praveen Kumar Malik		Lovely Professional University Phagwara	
	Ramendra Singh		IPEC Ghaziabad	
183	Deep Kumar Bangotra	Intelligent Opportunistic Routing Protocol in Wireless Sensor Networks: A Security Perspective	Department of Higher Education, J&K Govt.	12:10 PM to 12:20 PM
	Yashwant Singh		Department of Computer Science and Information Technology, Central University of Jammu, J&K, India-181143	
	Arvind Selwal		Department of Computer Science and Information Technology, Central University of Jammu, J&K, India-181143	
30	Samayveer Singh	OSEP: Optimized Stable Election Protocol in Wireless Sensor Networks	Department of Computer Science & Engineering Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab, India	12:20 PM to 12:30 PM
	Pradeep Kumar Singh		Jaypee University of Information Technology Waknaghat, HP, India	
	Aruna Malik		Department of Computer Science & Engineering Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab, India	
	Rahul Katarya	Bot Detection in Social Networks using Stacked Generalization Ensemble	Department of Computer Science and Engineering, Delhi Technological University, Shahbad Daultapur, Main Bawana Road, Delhi-42, India	

130	Raghav Mehta		Department of Computer Science and Engineering, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, Delhi-42, India	12:30 PM to 12:40 PM
	Ryan Bansal		Department of Computer Science and Engineering, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, Delhi-42, India	
	Pradyot Raina		Department of Computer Science and Engineering, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, Delhi-42, India	
	Mukul Mahaliyan		Department of Computer Science and Engineering, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, Delhi-42, India	
171	Pooja Anand	Internet of Things (IoT): Vulnerabilities and Remediation Strategies	Department of Computer Science and Information Technology, Central University of Jammu, Jammu and Kashmir, India-181143	12:40 PM to 13:00 PM
	Yashwant Singh		Department of Computer Science and Information Technology, Central University of Jammu, Jammu and Kashmir, India-181143	
	Arvind Selwal		Department of Computer Science and Information Technology, Central University of Jammu, Jammu and Kashmir, India-181143	
<b>Track 3: Image Processing and Computer Vision ( Session Chair(s): Prof. Vinod Sharma and Dr. Arvind Selwal)(Sesion 1: 11: 00 AM to 12:00 NOON and Session 2: 12:00 PM to 13:00 PM)</b>				
5	Bilal Ahmad Mantoo	A Hybrid Approach with Intrinsic Feature Based Android Malware Detection Using LDA and Machine Learning	Department of Computer Science & Engineering, Central University of Punjab, Bathinda,151001	11:00 AM to 11: 10 AM
16	Deepak Kumar	Towards recognition of normal versus pneumonia infected patients using deep neural network technique	Bharat Group of Colleges, Sardulgarh, INDIA	11:10 AM to 11: 20 AM
	Chaman Verma		Eötvös Loránd University, Budapest, HUNGARY	
32	Akshi Kumar	Edge Detection using Guided Image Filtering and Ant Colony Optimization	Department of Computer Engineering, Delhi Technological University, Delhi, INDIA	11:20 AM to 11:30 AM
	Sahil Raheja		Department of Information Technology, Delhi Technological University, Delhi, INDIA	
	Shivangi Modi	A VQA: Attention based Visual Question Answering Technique for Handling Improper Count of Occluded Object	SCET, India	

37	Dhatri Pandya		SCET, India	11:30 AM to 11:40 AM
53	Praveen Kumar Singh	Wireless Sensing with Radio Frequency Identification (RFID): Instrumental in Intelligent Tracking	Department of Computer Application, Shri Ramswaroop Memorial University, Lucknow-Deva Road, India	11:40 AM to 11:50AM
	Neeraj Kumar		Department of CS & IT, Babasaheb Bhimrao Ambedkar University (A Central University), atellite Campus, Teekarmafil, Amethi, India	
	Bineet Kumar Gupta		Department of Computer Application, Shri Ramswaroop Memorial University, Lucknow-Deva Road, India	
61	Richha Sharma	Impact of Distortions on the Performance of Feature Extraction and Matching Techniques	Department of Computer Science & IT University of Jammu	11:50 AM to 12:00 NOON
	Pawanesh Abrol		Department of Computer Science & IT University of Jammu	
64	Ishrat Qureshi	Realization of a robust watermarking system in spatial domain	Department of Electronics SSM College of Engineering	12:00 Noon to 12:10 PM
	Shabir A. Parah		Department of Electronics & IT, University of Kashmir Srinagar, India	
	Nazir A. Loan		Department of Electronics & IT, University of Kashmir Srinagar, India	
	Nasir Hurrah		Department of Electronics & IT, University of Kashmir Srinagar, India	
	G.J Qureshi		Department of Higher Education JK Govt	
101	Rahul Kakkar	Investigations on Mathematical Modeling of Imaging Infrared (IIR) Missile	CGC group of colleges, Landan, Mohali, Punjab	12:00 Noon to 12:10 PM
	Sohni Singh		CGC group of colleges, Landan, Mohali, Punjab	
	Joginder Singh		CGC group of colleges, Landan, Mohali, Punjab	
	Sumeet Goyal		CGC group of colleges, Landan, Mohali, Punjab	
	Dishant Khosla		CGC group of colleges, Landan, Mohali, Punjab	
	Ria Banerjee	Recommendation Systems based on Collaborative Filtering using Autoencoders: Issues and Opportunities	Nirma University	
	Preeti Kathiria		Nirma University	

114	Deepika Shukla		Nirma University	12:10 PM to 12:20 PM
119	Bhim Sain Singla	An algorithm to recognize and classify circular objects from image on basis of their radius	Punjabi University Patiala	12:20 PM to 12:30 PM
	Manvinder Sharma		Chandigarh Group of Colleges, Landran	
	Anuj Kumar Gupta		Chandigarh Group of Colleges, Landran	
	Sohni Singh		Chandigarh Group of Colleges, Landran	
38	Diksha Thakur	A systematic review on various techniques on image segmentation	Department of ECE, Chandigarh University Mohali	12:30 PM to 12:40 PM
	Nitin Mittal		Department of ECE, Chandigarh University Mohali	
	Saumya Srivastava		Department of ECE, Chandigarh University Mohali	
75	Annu Sharma	On Performance Analysis of Biometric Methods for Secure Human Recognition	Gurukul Kangri Vishwavidalaya, Haridwar, India	12:40 PM to 12:50 PM
	Shwetank Arya		Gurukul Kangri Vishwavidalaya, Haridwar, India	
	Praveena Chaturvedi		Gurukul Kangri Vishwavidalaya, Haridwar, India	
100	Sukhdev Singh	AUTOMATIC SYSTEM FOR TEXT DETECTION AND LOCALISATION USING CELLULAR AUTOMATA	Multani Mal Modi College Patiala	12:50 PM to 13:00 PM
	Monika Pathak		Multani Mal Modi College Patiala	
185	Neerendra Kumar	Obstacle Avoidance in Robot Navigation using Two-Sample t-Test based Obstacle-Recognition	John von Neumann Faculty of Informatics, Óbuda University, Bécsi út 96/b, H-1034 Budapest, Hungary. Department of Computer Science & IT, Central University of Jammu, India	13:00 PM to 13:10 PM
	Zoltán Vámosy		John von Neumann Faculty of Informatics, Óbuda University, Bécsi út 96/b, H-1034 Budapest, Hungary	
	Deepika Sharma	On Data Driven Approaches for Presentation Attack Detection in Iris Recognition Systems	Department of Computer Science and Information Technology, Central University of Jammu, J&K, India-181143	

186	Arvind Selwal		Department of Computer Science and Information Technology, Central University of Jammu, J&K, India-181143	13:10 PM to 13 20 PM
<b>Track 4: E-Learning Cloud and Big Data ( Session Chair(s): Dr. Meenakshi Sood and Mr. Neerendra Kumar)(Sesion 1: 11: 00 AM to 12:00 NOON and Session 2: 12:00 PM to 13:00 PM)</b>				
6	Talwinder Singh	Loop Holes in Cookies and Their Technical Solutions for Web Developers	Central Universityof Punjab, Bathinda, India	11:00 AM to 11: 10 AM
	Bilal Ahmad Mantoo		Central Universityof Punjab, Bathinda, India	
29	Shaheen Parveen	Fog Computing Enabled Healthcare 4.0	Department of Computer Science & Engineering, Amity School of Engineering and Tech-nology, Amity University Uttar Pradesh, Lucknow Campus	11:10 AM to 11: 20 AM
	Pawan Singh		Department of Computer Science & Engineering, Amity School of Engineering and Tech-nology, Amity University Uttar Pradesh, Lucknow Campus	
	Deepak Arora		Department of Computer Science & Engineering, Amity School of Engineering and Tech-nology, Amity University Uttar Pradesh, Lucknow Campus	
43	Ashwin Verma	DAMS: Dynamic Association for View Materialization based on rule mining scheme	Institute of technology, Nirma University, Ahmadabad, Gujarat, India	11:20 AM to 11:30 AM
	Pronaya Bhattacharya		Institute of technology, Nirma University, Ahmadabad, Gujarat, India	
	Umesh Bodkhe		Institute of technology, Nirma University, Ahmadabad, Gujarat, India	
	Akhilesh Ladha		Institute of technology, Nirma University, Ahmadabad, Gujarat, India	
	Sudeep Tanwar		Institute of technology, Nirma University, Ahmadabad, Gujarat, India	
60	Priyavrat	Multimodal Sentiment Analysis of Social Media Data: A Review	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab, India	11:30 AM to 11:40 AM
	Nonita Sharma		Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab, India	
	Geeta Sikka		Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab, India	
	Muzaffar A. Gani	CrO2 half metal based Magnetic Tunnel Junction and its application for digital computing	Department of Electronics and Instrumentation Technology, University of Kashmir, Srinagar, J&K, India.	



63	Khursheed A. Shah		Department of Physics, Cluster University of Kashmir.	11:40 AM to 11:50AM
	Shabir A. Parah		Department of Electronics and Instrumentation Technology, University of Kashmir, Srinagar, J&K, India.	
	Altaf A. Balki		Department of Electronics and Instrumentation Technology, University of Kashmir, Srinagar, J&K, India.	
66	Sahilpreet Singh	Cloud of Things: A Systematic Review on Issues and Challenges in Integration of Cloud Computing and Internet of Things	Department of Computer Science, Punjabi University Patiala	11:50 AM to 12:00 NOON
	Arjan Singh		Department of Mathematics, Punjabi University Patiala	
	Vishal Goyal		Department of Computer Science, Punjabi University Patiala	
77	Sukhpal Kaur	Data Augmentation using GAN for Parkinson's disease Prediction	Punjabi University, Patiala-147002, India	12:00 Noon to 12:10 PM
	Himanshu Aggarwal		Punjabi University, Patiala-147002, India	
	Rinkle Rani		Thapar University, Patiala-147004, India	
78	Ravindra Kumar Singh	Effective Analysis of Tweets using Hadoop Ecosystem	Department of Computer Science and Engineering Dr. B. R. Ambedkar National Institute of Technology, Jalandhar (India)	12:10 PM to 12:20 PM
	Harsh Kumar Verma		Department of Computer Science and Engineering Dr. B. R. Ambedkar National Institute of Technology, Jalandhar (India)	
83	Ikedianchi Ayodele Power Wogu	Artificial Intelligence Politicking and Human Right Violations in UK's Democracy: A Critical Appraisal of the Brexit Referendum	Covenant University, Ota, Ogun State.	12:20 PM to 12:30 PM
	Sanjay Misra		Covenant University, Ota, Ogun State.	
	Oluwakemi Deborah Udoh		Covenant University, Ota, Ogun State.	
	Benedict. C. Agoha		Covenant University, Ota, Ogun State.	
	Muyiwa Adeniyi Sholarin		Covenant University, Ota, Ogun State.	
98	Manvinder Sharma	Microstrip Patch Antenna (MPA) design and analysis for Satellite Communication (7 GHz) for IoT and IoE devices	Chandigarh Group of Colleges, Landran, Mohali, Punjab	
	Bikramjit Sharma		Thapar Institute of Engineering & Technology, Patiala, Punjab	
	Anuj Kumar Gupta		Chandigarh Group of Colleges, Landran, Mohali, Punjab	

	Bhim Sain Singla		College of Engineering and Management, Punjabi University, Patiala, Punjab	12:30 PM to 12:40 PM
184	Bhagyalakshmi	MWAMLB: Modified Weighted Active Load Balancing Algorithm	Department of Computer Science & IT, Central University of Jammu, Jammu, India	12:40 PM to 13:00 PM
	Deepti Malhotra		Department of Computer Science & IT, Central University of Jammu, Jammu, India	
<b>Track 5: Security and Privacy ( Session Chair(s): Dr. Sudeep Tanwar and Dr. Deepti Malhotra)(Sesion 1: 11: 00 AM to 12:00 NOON and Session 2: 12:00 PM to 13:00 PM)</b>				
15	Manik Gupta	Security Issues in Internet of Things: Principles, Challenges, Taxonomy	Chitkara School of Engineering and Technology, Chitkara University, Himachal Pradesh, India.	11:00 AM to 11: 15 AM
	Shaily Jain		Chitkara School of Engineering and Technology, Chitkara University, Himachal Pradesh, India.	
	R.B. Patel		3Department of Computer Science & Engineering, Chandigarh College of Engineering & Technology, Chandigarh, India.	
52	Vandana Mohindru	A REVIEW OF ANOMALY DETECTION TECHNIQUES USING COMPUTER VISION	Department of Computer Science, Chandigarh Group of Colleges, College of Engineering, Mohali, India	11:15 AM to 11: 30 AM
	Shafali Singla		Department of Computer Science, Chandigarh Group of Colleges, College of Engineering, Mohali, India	
58	Vandana Mohindru	SECURITY ATTACKS IN INTERNET OF THINGS: A REVIEW	Department of Computer Science, Chandigarh Group of Colleges - College of Engineering, Mohali, Punjab, India	11:30 AM to 11:45 AM
	Anjali Garg		Department of Computer Science, Chandigarh Group of Colleges - College of Engineering, Mohali, Punjab, India	
65	Snehlata	Texture Feature Technique for Security of Indian Currency	Babasaheb Bhimrao Ambedkar University, Lucknow, India	11:45 AM to 12:00 Noon
	Vipin Saxena		Babasaheb Bhimrao Ambedkar University, Lucknow, India	
	Aniket Agarwal	Optimal Unit Commitment for Secure Operation of Solar Energy Integrated Smart Grid	Department of Electrical Engineering Gautam Buddha University, Greater Noida Gautam Buddh Nagar (U.P.) 201312, India	

91	Kirti Pal		Department of Electrical Engineering Gautam Buddha University, Greater Noida Gautam Buddh Nagar (U.P.) 201312, India	12:00 Noon AM to 12:15PM
110	Rajdeep Chowdhury	Project Management Method Based Cryptographic Algorithm Employing IC Engine Transmission Ratio and Simple Interest Formula	Academician and Author, Chinsurah, Hooghly, West Bengal, India	12:15 PM to 12:30 PM
	Smriti Kumari		Institute of Management Studies Banaras Hindu University, Uttar Pradesh, India	
	Sukhwant Kumar		Department of Mechanical Engineering JIS College of Engineering, Kalyani, Nadia, West Bengal, India	
128	Suhaib Ahmed	Design of Reversible Gate based Fingerprint Authentication System in Quantum dot Cellular Automata for Secure Nano-computing	Dept. of ECE, BGSB University, Rajouri, India	12:30 PM to 12:45 PM
	Soha Maqbool Bhat		School of ECE, SMVD University, Katra, India	
	Seok-Bum Ko		Department of Electrical and Computer Engineering, University of Saskatchewan, Canada	
132	Rahul Katarya	A Survey on Blockchain Technologies and its Consensus Algorithms	Department of Computer Science & Engineering, Delhi Technological University Delhi India	12:45 PM to 13:00 PM
	Vinay Kumar Vats		Department of Computer Science & Engineering, Delhi Technological University Delhi India	
<b>Track 6: Digital India ( Session Chair(s): Prof. Manu Sood and Prof. Devanand)(Sesion 1: 11: 00 AM to 12:00 NOON and Session 2: 12:00 PM to 13:00 PM)</b>				
11	Chaman Verma	Towards prediction of student's guardian in the secondary schools for the real-time	Eötvös Loránd University, Budapest, HUNGARY	11:10 AM to 11: 15 AM
	Veronika Stoffová		Eötvös Loránd University, Budapest, HUNGARY	
	Zoltán Illés		Eötvös Loránd University, Budapest, HUNGARY	
	Deepak Kumar		Bharat Group of Colleges, Sardulgarh, INDIA	
59	Vidhu Tanwar	A Review on Enhanced Techniques for Multi Modal Fake News Detection	Department of Information Technology, DTU	11:15 AM to 11:30 AM
	Kapil Sharma		Department of Information Technology, DTU	
89	Ambrose Azeeta	An Intelligent Student Hostel Allocation System Based on Web Applications	Covenant University, Ota, Nigeria	11:30 AM to 11:45 AM
	Sanjay Misra		Covenant University, Ota, Nigeria	
	Modupe Odusami		Covenant University, Ota, Nigeria	
	Onyepunuka Ugochukwu Peter		Covenant University, Ota, Nigeria	
	Ravin Ahuja		ShriVishwakarma Skill University, Gurgaon, India	

97	Vasundhra Gupta	Artificial Intelligence in the Energy World – Getting the Act Together	Government College of Engineering and Technology Jammu	11:45 AM to 12:00 Noon
103	Naina Handa	Non-Functional Requirements Engineering Questionnaire: Novel Visions and Review of Literature	Lovely Professional University, Jalandhar	12:00 Noon to 12:15 PM
	Anil Sharma		Lovely Professional University, Jalandhar	
	Amardeep Gupta		DAV Jalandhar	
22	Jaiprakash Verma	Predictive Analysis for User Mobility using Geospatial Data	Institute of Technology, Nirma University, Ahmadabad, Gujarat, India	12:15 PM to 12:30 PM
	Sudeep Tanwar		Institute of Technology, Nirma University, Ahmadabad, Gujarat, India	
	Archies Desai		Institute of Technology, Nirma University, Ahmadabad, Gujarat, India	
	Poojan Khatri		Institute of Technology, Nirma University, Ahmadabad, Gujarat, India	
	Zdzislaw Polkowski		Wroclaw University of Economics and Business	
107	Shruti Jain	DESIGNOF WASTE HEAT RECOVERY SYSTEM FOR GREEN ENVIRONMENT	Jaypee University of Information Technology, Solan	12:30 PM to 13:00 PM
	Promod Kumar		Jaypee University of Information Technology, Solan	
	Meenakshi Sood		NITTTR, Chandigarh	