

FTNCT-2023 [PROGRAM & PRESENTATION SCHEDULE]**DATES; 29 TO 30 JULY, 2023****MODE OF PRESENTATION :- ONLINE MODE****LINK TO JOIN MEETING (Zoom Link) :-**<https://us06web.zoom.us/j/87331072424?pwd=T0pJcnIEejg4Y1pQV3hMd1IPUWsydz09>**ZOOM MEETING DETAILS:- Meeting ID: 873 3107 2424 PASSWORD: 654321****Day-1: 29/07/2023 (SATURDAY)**

10:00 AM TO 10:15 AM	WELCOME ADDRESS & INAUGURATION OF CONFERENCE BY DR. Pljonkin Anton Pavlovich, SFU Russia in the Presence of Dr. Amit Sharma, Senior Researcher, SFU Russia, Dr. Ashutosh Sharma, Senior Researcher, SFU Russia & Editors of the Springer Book.
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Day-1: 29/07/2023 (SATURDAY)

10:15 AM TO 11:00 AM	KEYNOTE 1:- TITLE : PERFORMANCE ENHANCEMENT OF HIGH PERFORMANCE COMPUTING SYSTEMS AT MICRO LEVEL KEYNOTE SPEAKER: PROF. (DR.) MADHURI BHAVSAR, PROFESSOR & HEAD (CSE), NIRMA UNIVERSITY, AHMEDABAD, GUJARAT, INDIA
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Session Chairs: Dr. Samayveer Singh, NIT Jalandhar, India Dr. Amit Sharma, SFU Russia

Date & Time of Presentation	Session Number	Paper ID	Paper Title	Primary Contact Author Name
29/07/2023 & 11:00 to 12:30 PM	SS-01	2	Hybrid Approach to Optimized Increased Risk with Artrial Fibrillation through Parkinson's Disease	RITU AGGARWAL
29/07/2023 & 11:00 to 12:30 PM	SS-01	23	Efficient Search in Media Files using Speech Recognition and Time-Stamp Extraction	Zubair Mohammed
29/07/2023 & 11:00 to 12:30 PM	SS-01	26	Analysing the Fluctuations in Commodity Prices and Forecasting the Future Directions Using Machine Learning Techniques	PRADEEPTA KUMAR SARANGI
29/07/2023 & 11:00 to 12:30 PM	SS-01	27	A Robust Approach for Fake News Detection Using Deep Learning	Shefali Arora

29/07/2023 & 11:00 to 12:30 PM	SS-01	28	Classification Model for Meticulous Presaging Heart disease Results for sarcopenic LRMM and CA calcification in healthy adults using Machine learning	RITU AGGARWAL
29/07/2023 & 11:00 to 12:30 PM	SS-01	29	Demonstrate the Predictive Model of Machine Learning in Smart Grids to Process Large Electricity Data According to Power Demand and Supply	Jitendra Managre
29/07/2023 & 11:00 to 12:30 PM	SS-01	32	Survey and demonstration of deep learning method to detect malware for the Android operating system	Rahul Ramteke
29/07/2023 & 11:00 to 12:30 PM	SS-01	41	A Transfer Learning based approach for Classification of Bhangra Steps	Sharish Gupta

Day-1: 29/07/2023 (SATURDAY)

Session Chairs: Dr. Ashutosh Sharma, UPES Dehradun, India , Dr. Yugal Kumar, JUIT Wagnaghat, India, Co- Session Chair :- Dr. Vikas Yadav, Govt. Polytechnic Bighapur Unnao, Department of Technical Education, UP, India

Date & Time of Presentation	Session Number	Paper ID	Paper Title	Primary Contact Author Name
29/07/2023 & 11:00 to 12:30 PM	SS-02	43	FedSec-CPS: Federated Learning Based Security Framework for Security of Cyber Physical Systems	Zakir Ahmad Sheikh
29/07/2023 & 11:00 to 12:30 PM	SS-02	45	Artificial Intelligence and Virtual Reality in Businesses – Impacts and Challenges	Sujata Joshi
29/07/2023 & 11:00 to 12:30 PM	SS-02	51	Data Mining for Cognitive e-Learning Systems: A Survey	Saniya Zahoor
29/07/2023 & 11:00 to 12:30 PM	SS-02	53	Revealing the Complexities of Holistic Happiness: A Multi Data-Source Analysis of Key Factors	Pawan Kumar
29/07/2023 & 11:00 to 12:30 PM	SS-02	56	Raster Data Processing using Geographic Data Processing Engines	Jaiprakash V Verma
29/07/2023 & 11:00 to 12:30 PM	SS-02	59	Comparison of Silver and Gold Based Plasmonic Square Ring Resonator with MIM Waveguide	Anand Nayyar

29/07/2023 & 11:00 to 12:30 PM	SS-02	60	IOT-BASED GENDER RECOGNITION AND AUTHENTICATION OF FACIAL IMAGES	Neerendra Kumar
29/07/2023 & 11:00 to 12:30 PM	SS-02	62	Distributed Clocking Scheme based QCA Realization of Novel Fault Tolerant RAM Architecture	Shiraz Husain
29/07/2023 & 11:00 to 12:30 PM	SS-02	65	Federated Learning-based Framework for Rainfall Prediction in Smart Agriculture	Sheikh Imroza Manzoor

Day-1: 29/07/2023 (SATURDAY)

Session Chairs: [Dr. Aruna Singh, NIT Jalandhar, India](#) , [Dr. Nagesh Kumar, Chitkara University, India](#)

Date & Time of Presentation	Session Number	Paper ID	Paper Title	Primary Contact Author Name
29/07/2023 & 11:00 to 12:30 PM	SS-03	66	Methodology for Assessing Existing Vulnerabilities in Modbus Protocol	Sheikh Imroza Manzoor
29/07/2023 & 11:00 to 12:30 PM	SS-03	68	Parkinson's Disease Detection: A Machine Learning Based Model	Sheerin Zadoo
29/07/2023 & 11:00 to 12:30 PM	SS-03	69	Deceptive Plastic: Unveiling the World of Financial Fraud	Shikha Singh
29/07/2023 & 11:00 to 12:30 PM	SS-03	71	Comparative Study of Meta-Heuristic Algorithms in Partition Clustering	Shivank Saxena
29/07/2023 & 11:00 to 12:30 PM	SS-03	76	On Machine Learning and Deep Learning based Deepfake Generation and Detection	mohd Tahir Irfan
29/07/2023 & 11:00 to 12:30 PM	SS-03	78	Securing Health Insurance Claims with Decentralization and Transparency: A blockchain-based Approach	Abrar Ahmed Raza
29/07/2023 & 11:00 to 12:30 PM	SS-03	79	Expert Speech Emotion Recognition (SER) Framework Employing Deep Learning Based on Speech Sentiments	Sachin Kumar

29/07/2023 & 11:00 to 12:30 PM	SS-03	81	Hybrid Security Model for Securing Healthcare Data on Cloud	Sidhant Sambyal
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12:30 PM TO 1:15 PM	KEYNOTE 2:- TITLE : Defending the Defender: Adversarial Learning Based Defending Strategy for Learning Based Security Methods in Cyber-Physical Systems (CPS) KEYNOTE SPEAKER: PROF. (DR.) YASHWANT SINGH, PROFESSOR & HEAD (CSE), CENTRAL UNIVERSITY OF JAMMU, J&K, INDIA			
BREAK (1:15 to 1:30 PM)				

Day-1: 29/07/2023 (SATURDAY)

Session Chairs: Dr. Pradeep Singh, NMIMS Deemed to be University, Chandigarh, India, Dr. Sushil Kumar Singh, Marwadi University, Rajkot, Gujarat, India & Seoul National University of Science and Technology, South Korea

Date & Time of Presentation	Session Number	Paper ID	Paper Title	Primary Contact Author Name
29/07/2023 & 1:30 to 3:00 PM	SS-04	85	Prevention of Attack in SIEM caused by Log4J	Shambhu Shukla
29/07/2023 & 1:30 to 3:00 PM	SS-04	92	Fortifying Cloud Security: Harnessing Time-based OTP and Single Sign-On for Enhanced Protection	Pronaya Bhattacharya
29/07/2023 & 1:30 to 3:00 PM	SS-04	93	Comparison of Rule-based chatbot with different machine learning models	Radha R Ranganatha
29/07/2023 & 1:30 to 3:00 PM	SS-04	95	Ensembler_fMRI: An Intelligent Approach for the Early Prediction of Autism Disorder	Rupaly Singh Thakur
29/07/2023 & 1:30 to 3:00 PM	SS-04	96	ChatGPT and Sentiment Analysis: Unveiling Emotional Insights in Textual Data	Suresh Kumar N
29/07/2023 & 1:30 to 3:00 PM	SS-04	98	Transforming the GUI Landscape: Harnessing the Power of MPNet base v2 Sentence Transformers	Saniya Zahoor

29/07/2023 & 1:30 to 3:00 PM	SS-04	104	Analysis of Machine Learning Techniques for Prediction of Cardiac Diseases	Ayush Gupta
29/07/2023 & 1:30 to 3:00 PM	SS-04	109	An efficient DDoS attacks detection and mitigation approach in SDN-IoT network	Chandrapal Singh

Day-1: 29/07/2023 (SATURDAY)

Session Chairs: Dr. Jagpreet, NMIMS Deemed to be University, Chandigarh Campus, India, Dr. Hari Mohan Rai, Gachon University, South Korea, Dr. Namita Agarwal, Trinity College Dublin, Ireland

Date & Time of Presentation	Session Number	Paper ID	Paper Title	Primary Contact Author Name
29/07/2023 & 1:30 to 3:00 PM	SS-05	110	IMAGE-BASED CROWD ESTIMATION USING DEEP CONVOLUTIONAL NEURAL NETWORKS	Neerendra Kumar
29/07/2023 & 1:30 to 3:00 PM	SS-05	112	Refurbished E-commerce Optimization using Machine Learning	Akshat Rana
29/07/2023 & 1:30 to 3:00 PM	SS-05	114	Text/Speech to Indian Sign Language Translation: Analysis and Implementation	Pronaya Bhattacharya
29/07/2023 & 1:30 to 3:00 PM	SS-05	115	Smart Waste Management System using Machine Learning and Blockchain Technology	Jitali D Patel
29/07/2023 & 1:30 to 3:00 PM	SS-05	116	DELICIOUS APPLE EXTERNAL QUALITY ANALYSIS BASED ON VISUAL CHARACTERISTICS USING MACHINE LEARNING	Neerendra Kumar
29/07/2023 & 1:30 to 3:00 PM	SS-05	117	Machine Learning for the Cybersecurity of Robotic Cyber-Physical Systems: A Review	Neerendra Kumar
29/07/2023 & 1:30 to 3:00 PM	SS-05	118	State-of-the-Art and Emerging Trends in Crop Recommendation Systems: A Comprehensive Review	Shilpa Singhal
29/07/2023 & 1:30 to 3:00 PM	SS-05	119	Comparative study of plant leaves detection for precision agriculture using machine learning techniques	Aishwarya Churamani

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Session Chairs: Dr. Punit Gupta, Post Doctoral Researcher, University College of Dublin, Ireland, Dr. Rohit Tanwar, UPES Dehradun, India

Date & Time of Presentation	Session Number	Paper ID	Paper Title	Primary Contact Author Name
29/07/2023 & 1:30 to 3:00 PM	SS-06	121	Entrepreneurship: A rising way leading to economic development in Bangladesh	SHAKIL AHMAD
29/07/2023 & 1:30 to 3:00 PM	SS-06	124	Detecting Hate Speech for Hindi-English Code-Mix Text Data Using Machine Learning Techniques	Amit Sharma
29/07/2023 & 1:30 to 3:00 PM	SS-06	129	Tutorial on AI-driven Trust and Reputation Management for Cloud Service Selection	Pronaya Bhattacharya
29/07/2023 & 1:30 to 3:00 PM	SS-06	131	Review of Segmentation Techniques for weed detection in Agricultural Crops:	AKANKSHA BODHALE
29/07/2023 & 1:30 to 3:00 PM	SS-06	132	A Comparative Analysis of Proposed and Existing Technical Indicators for Indian Stock Market	Kirti Sharma
29/07/2023 & 1:30 to 3:00 PM	SS-06	134	Vessel Classification For AIS Data Using Machine Learning Approach	Navya Sharma
29/07/2023 & 1:30 to 3:00 PM	SS-06	137	Automated Threat Attack Categorisation Into Cloud Service Models	Bhubharv Mohan Sharma
29/07/2023 & 1:30 to 3:00 PM	SS-06	138	Clustering in IoT Based Wireless Sensor Network using Swarm Intelligence and Machine Learning Approaches: Review and Future Directions	Anupriya Kaushal
29/07/2023 & 1:30 to 3:00 PM	SS-06	141	Exploring the Landscape of Natural Language Processing for Text Analytics: A comprehensive Review	Ankita Mishra

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Day-2:- 30/07/2023 (SUNDAY)

10:45 AM TO 11:30 AM	KEYNOTE 3:- TITLE : SENSING THE FUTURE : SMART SOLUTIONS FOR THE IOT	KEYNOTE
	SPEAKER: PROF. (DR.) Nagender Kumar Suryadevara, School of Computer and Information Sciences, University of Hyderabad, INDIA [AN INSTITUTE OF EMINENCE]	

Session Chairs: Dr. Anupam Singh, Graphic Era University Dehradun, India, Dr. Anil Kumar Budati, KL University Hyderabad, India

Date & Time of Presentation	Session Number	Paper ID	Paper Title	Primary Contact Author Name
30/07/2023 & 11:30 to 1:00 PM	SS-07	146	Medical Imaging using YOLO and Comparison with Various Object Detection Algorithms	KHUSHBU SHAHI
30/07/2023 & 11:30 to 1:00 PM	SS-07	148	Intellicam: A Self-Optimizing Approach to Detect Burglary using Machine Learning	Divya Mishra
30/07/2023 & 11:30 to 1:00 PM	SS-07	149	Emotion-Aware Real-Time Gesture Recognition of Indian Sign Language using YOLO-based Deep Convolutional Neural Network	Utkrisht Singh
30/07/2023 & 11:30 to 1:00 PM	SS-07	150	Character Detection: An Approach to clarify the texts using Machine Learning	Divya Mishra
30/07/2023 & 11:30 to 1:00 PM	SS-07	151	An Efficient Identity Based Multi- Proxy Multi-Signcryption Scheme for Electronic Commerce using Bilinear Pairing	Tej Singh
30/07/2023 & 11:30 to 1:00 PM	SS-07	157	Survey on Light weight Convolutional Neural Networks Legacy Models: A comparative implementation review using Tomato leaves	RISHAL RASHEED
30/07/2023 & 11:30 to 1:00 PM	SS-07	158	Managing Security Issues in Phishing using Machine Learning Techniques	Mr. Mohd. Shoaib
30/07/2023 & 11:30 to 1:00 PM	SS-07	167	Analysis of Digital Forensic Processes Models for Social Media Sites Crime investigation	Rakhi Sunhare

Session Chairs: Dr. Ashwani Kumar, SRM Delhi NCR Campus, Ghaziabad, India, Dr. Gaurav Dubey, KIET Group of Institutions, Ghaziabad, India

Date & Time of Presentation	Session Number	Paper ID	Paper Title	Primary Contact Author Name
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30/07/2023 & 11:30 to 1:00 PM	SS-08	169	Performance Analysis of Intelligent Surveillance System in a Fog Computing Environment	Pradeep Singh Rawat
30/07/2023 & 11:30 to 1:00 PM	SS-08	175	AdasInd: A Wide Angle View Fisheye Camera Dataset for Advanced Driving Assistance Systems in Indian Divider-free Roads	Om Singh
30/07/2023 & 11:30 to 1:00 PM	SS-08	176	OLM-CPS: Optimized Learning Models for the Security of Constrained Cyber Physical Systems	Zakir Ahmad Sheikh
30/07/2023 & 11:30 to 1:00 PM	SS-08	179	Weed Recognition in Brinjal Crop using Deep Learning	Jigna Patel
30/07/2023 & 11:30 to 1:00 PM	SS-08	180	Recognition of Brain Tumors Using Deep Neural Network Models	Sallauddin Mohmmad
30/07/2023 & 11:30 to 1:00 PM	SS-08	188	Glaucoma diagnosis using deep learning models	ASTHA VERMA
30/07/2023 & 11:30 to 1:00 PM	SS-08	192	Analysis of Electromyography wearable sensors and Deep learning algorithms Used in Parkinson's Diagnosis	Nagaraju Marupaka
30/07/2023 & 11:30 to 1:00 PM	SS-08	196	Auto Blogger: Smart Blog Generation Platform Employing CNN	Sachin Kumar

Session Chairs: [Dr. Meenakshi Sood, NITTR Chandigarh, India](#), [Dr. Farkhana Muchtar, Universiti Teknologi Malaysia, Malaysia](#)

Date & Time of Presentation	Session Number	Paper ID	Paper Title	Primary Contact Author Name
30/07/2023 & 11:30 to 1:00 PM	SS-09	207	An Experimental study on Website Optimization: Test Your Strategies	Radha R Ranganatha
30/07/2023 & 11:30 to 1:00 PM	SS-09	216	Finding Socialness: A User Socialness estimation algorithm based on User-reply Semantics	Devanand Gangboir
30/07/2023 & 11:30 to 1:00 PM	SS-09	220	The Application of IoT and Edge AI in Green Healthcare Monitoring Systems	Saikat Gochait
30/07/2023 & 11:30 to 1:00 PM	SS-09	223	An Examination of Load Carrying Gait Kinematics in Healthy Individuals	Prateek Singhal
30/07/2023 & 11:30 to 1:00 PM	SS-09	239	Underwater Image Enhancement by using a colour-correction & dehazing approach	Shubhankar Nalawade

30/07/2023 & 11:30 to 1:00 PM	SS-09	240	Investigation and classification of soil using distance method and Crop Prediction	SONALI TUSHAR SAMBARE
30/07/2023 & 11:30 to 1:00 PM	SS-09	241	An Image Compression Technique Based on Dual-Tree Complex Wavelet Transforms and Single Value Decompression by Means of Single Value Decomposition	PRASAD RAGHUNATH MUTKULE
30/07/2023 & 11:30 to 1:00 PM	SS-09	244	Location Tracking and Self-Defence of the Women/Elderly Person using Smart Safety Device without Internet Connectivity	Yashaswini K S

Session Chairs: [Dr. Ashutosh Mishra, Yonsei University, Korea](#) , [Dr. Deepika Koundal, UPES Dehradun, India](#)

Date & Time of Presentation	Session Number	Paper ID	Paper Title	Primary Contact Author Name
30/07/2023 & 11:30 to 1:00 PM	SS-10	245	GMM-based Low Resource Automatic Speech recognition System using Exceptional Non-Native Punjabi Language	Virender Singh
30/07/2023 & 11:30 to 1:00 PM	SS-10	252	The Future of 6G-IoT: Addressing the Challenges and Pursuing the Opportunities	Vineet Singh
30/07/2023 & 11:30 to 1:00 PM	SS-10	272	IoT-Enabled Smart Waste Management using Renewable Energy	Parita R Oza
30/07/2023 & 11:30 to 1:00 PM	SS-10	278	Comparative Study on Machine Learning Algorithms for Breast Cancer Diagnosis	Smita S Agrawal
30/07/2023 & 11:30 to 1:00 PM	SS-10	281	Rash Driving Detection Using IoT and ML	Arnaav Anand
30/07/2023 & 11:30 to 1:00 PM	SS-10	282	Modeling of one and two RC model and state estimation of LIB using Thevenin's equivalent Circuit Model	Bhanu Pratap Soni
30/07/2023 & 11:30 to 1:00 PM	SS-10	284	Mapping Segregation and Localization of US Citizens Using Google Point of Interest	Punit gupta
30/07/2023 & 11:30 to 1:00 PM	SS-10	285	Defense strategies of DDoS attacks in SDN-IoT Net-work: A Survey	Chandrapal Singh

30/07/2023 & 11:30 to 1:00 PM	SS-10	266	Internet of Things: Vision, Architecture and Applications in Healthcare	Yajnaseni Dash
30/07/2023 & 11:30 to 1:00 PM	SS-10	83	Photonics for 5G: Enabling High-Speed and Low-Latency Communication Networks	Sunil Sharma
30/07/2023 & 11:30 to 1:00 PM	SS-10	153	An enhanced approach for automatic sound event detection using neural networks	Sallauddin Mohmmad

Session Chairs: [Dr. Anil Dubey, ABES Engineering College, Ghaziabad, India](#), [Dr. Namita Agarwal, University College of Dublin, Ireland](#)

Date & Time of Presentation	Session Number	Paper ID	Paper Title	Primary Contact Author Name
30/07/2023 & 11:30 to 1:00 PM	SS-11	256	Semantic Segmentation of Aerial Images using Pixel Wise Segmentation	Swathi Gowroju
30/07/2023 & 11:30 to 1:00 PM	SS-11	22	Multi-label classification of VinDr-CXR dataset using transfer-learning approach	Ruchika Arora
30/07/2023 & 11:30 to 1:00 PM	SS-11	236	Moving Object Segmentation using adaptive attention modules	Dipika Gupta
30/07/2023 & 11:30 to 1:00 PM	SS-11	232	ancement in Quality of Service (QoS) in 5G Enabled IoT using Artificial Neural Network and GPS Positioning	Deepak Upadhyay
30/07/2023 & 11:30 to 1:00 PM	SS-11	287	Decoding the Rose's Enigma: A Comprehensive Analysis of Rose Leaf Diseases	Jyoti D Bhosale
30/07/2023 & 11:30 to 1:00 PM	SS-11	234	Improving the Efficiency of Wireless Rechargeable Sensor Networks: A Systematic Review	ANKITA LAKRA
30/07/2023 & 11:30 to 1:00 PM	SS-11	267	Role of Artificial Intelligence in Reliability Prediction of Cyber-Physical Systems	Kumar Gaurav
30/07/2023 & 11:30 to 1:00 PM	SS-11	283	A Comparative study on NOMA oriented Backscatter Communication	Sudhanshu Tyagi
30/07/2023 & 11:30 to 1:00 PM	SS-11	86	Enhance Quality of Services in Internet of Things using Improved Dynamic Bandwidth Allocation Technique	Sudhanshu Tyagi
30/07/2023 & 11:30 to 1:00 PM	SS-11	293	Deep Learning Based Load Balancing in Cloud Computing : A Survey	Malaram Kumhar

(1:00- 1:20 PM) A Session on Preparation of Consent to Publish (CTP) Form by Dr. Pradeep Singh

(1:20-1:30 PM) Velidictory Session