



Department of Computer Science, The Northcap University
International Conference on Cyber Security and
Digital Forensics 2021 (ICCSDF 2021)
Virtual Mode



Day 1

Inaugural session 3rd April 2021

TIME	ACTIVITY SCHEDULED
10.30 AM	WELCOME ADDRESS
10:40 AM-10:50 AM	Lighting of Lamp (Saraswati Vandana)
10:50 AM-10:55 AM	Welcome and Address of Chief Guest, Dr. Gulshan Rai, first Chief Information Security Officer, at Prime Minister Office, Govt of India
10:55 AM-11:05 AM	Address by Hon'ble Pro-Chancellor, Prof (Dr.) Prem Vrat, The NorthCap University, Gurugram, India
11:05 AM-11:15 AM	Address by Hon'ble Vice Chancellor, Prof. (Dr.) H. B. Raghavendra, The NorthCap University, Gurugram
11:15 AM-12:10 PM	Keynote address by Prof (Dr.) Greg Conti, Co-Founder & Principal, Kopidion, New York
12:10 PM-12:50 PM	Keynote address by Ms Vandana Sehgal, Global Board of Directors, OWASP & Infosec Girls
12:50 PM-1:00 PM	Vote of Thanks – Prof (Dr.) Kavita Khanna, HOD, Dept of CSE/IT, The NorthCap University, Gurugram

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SESSION#1 (1:30 PM Onwards)

SESSION CHAIR (External): Dr Mahesh Sharma, Affiliation: IIMT, GGSIPU
SESSION CHAIR (External): Dr. Richa Rohtagi, Affiliation: Amity University
SESSION Coordinator (Internal): Ms Poonam Chaudhary
Contact Details: 7838549424

Time	Paper Id	Author's Names	Title of Paper
1:30 PM-1:50 PM	47	1. Vanita Jain 2. Akanshu Raj 3. Abhishek Tanwar 4.Mridul Khurana 5.Achin Jain	Coin Drop-A Decentralised Exchange Platform
1:50 PM-2:10 PM	48	1. Vanita Jain 2. Aaarush Ahuja 3. Dharmender Saini	Evaluation and Performance Analysis of ApachePulsar and NATS
2:10 PM- 2:20 PM	80	1. Jatin Patel 2. Dr.Ravi Sheth	Passive Video Forgery Detection Techniques to Detect Copy Move Tampering through Feature Comparison and RANSAC
2:20 PM- 2:40 PM	78	1. Vivek Raj K 2. Dinesha.P 3. Arpitha Shankar S.I	Security Considerations in the design of IEEE 802.15.4 Transceiver: A Review
2:40 PM - 3:00 PM	74	1. Rajiv Yadav 2. S.Indu 3. Daya Gupta	Review of Evolutionary Algorithms for Energy Efficient and Secure Wireless Sensor Networks
3:00 PM - 3:20 PM	113	1. Tripti Rathee 2. Parvinder Singh	A Self -Sovereign Identity Management Systemusing Blockchain

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SESSION#2 (1:30 PM Onwards)

SESSION CHAIR (External): Dr Vasudha Arora , Affiliation: ITS Engineering College, Greater Noida
Session Coordinator (Internal): Ms. Vaishali
Contact Details: 9654185859

Time	Paper ID	Author's Names	Title of Paper
1:30 PM-1:50 PM	70	1.Sukhwinder Sharma 2.Puneet Mittal 3.Anuradha	IoT Based Smart Security System for Agriculture Fields
1:50 PM-2:10 PM	103	1.Rahul Gupta 2.Aviral Agarwal 3.Devansh Dua 4.Ankit Yadav	Android Malware Detection using Extreme Learning Machine optimized with Swarm Intelligence
2:10 PM- 2:20 PM	126	1. Akash Arora 2. Kanisk 3. Shailender Kumar	Smart Contracts and NFTs: Non-Fungible Tokens as a core component of Blockchain to be used as Collectibles
2:20 PM- 2:40 PM	1	1.Aatif Sarfaraz 2.Atul jha 3.Avijit Mondal 4.Radha Tamal Goswami	An efficient detection and prevention approach of unknown malicious attack: A novel honeypot approach
2:40 PM - 3:00 PM	53	1.Keshav Kaushik 2.Gargeya Sharma 3.Gaurav Goyal 4.Asmit Kumar Sharma 5.Ashish Chaubey	A systematic approach for analyzing log files based on string matching regular expressions
3:00 PM - 3:20 PM	28	1.Rahul Pahuja 2.Niket Dheeryan 3.Lovish Sethi 4.Preeti Nagrath 5.Rachna Jain	Identification and Minimization of churn rate through analysing Financial routines using machine learning

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SESSION#3 (1:30 PM Onwards)

SESSION CHAIR (External);, Dr Sushila Palwe, Affiliation: MIT World Peace University, Pune
SESSION CHAIR(External):, Dr Sherin Zafar, Affiliation: Jamia Hamdard University
SESSION Coordinator (Internal): Ms Garima Sharma
Contact Details: 8178002113

Time	Paper ID	Author's Names	Title of Paper
1:30 PM-1:50 PM	46	1. Anuradha 2.Amit Kumar Bindal 3.Devendra Prasad 4.Afshan Hassan	Hierarichal Communication Architecture for Multi-Level Energy Harvesting support in Underwater Sensor Network
1:50 PM-2:10 PM	101	1.Saumya Deshmukh 2.Shrishti Karkera 3.Prachi Rawale 4.Chhaya Narvekar	Evaluation and Transformation Analysis of the Mithi River
2:10 PM- 2:20 PM	37	1.Nitin Kumar 2.Vinod Kumar 3.Pawan Kumar Verma	A Comparative Study of the Energy Efficient Advanced LEACH Clustering Protocols in Heterogeneous and Homogeneous Wireless Sensor Networks
2:20 PM- 2:40 PM	64	1.Sameena Zafar 2.Dr. Vineeta Saxena 3.Dr.R K.Baghel 4.Dr Syed Uvaidd Ullah	Design and Analysis of 2x4 Microstrip Patch Antenna Array with Defected Ground Structure for 5G Mobile Communication
2:40 PM - 3:00 PM	45	1.Sumathi Ganesan	Detection of Phishing Websites Using Classification Algorithms
3:00 PM - 3:20 PM	44	1.Vitaly Gryzunov 2.Darina Gryzunova	Problems of providing access to a geographic information system processing data of different degrees of secrecy

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SESSION#4 (1:30 PM Onwards)

SESSION CHAIR (External): Prof.(Dr) Parvinder, Affiliation: Deenbandu Chhotu Ram
SESSION Coordinator (Internal): Ms. Prerna Singhal
Contact Details: 9953591373

Time	Paper ID	Author's Names	Title of Paper
1:30 PM-1:50 PM	12	1.P. Renuka 2.Dr. B. Booba	A Correlation Blockchain Matrix Factorization to Enhance the Disease Prediction Accuracy and Security in IoT Medical Data
1:50 PM-2:10 PM	169	1.Sanya Bindlish 2.Sargam Chhabra 3.Kshitij Mehta 4.Pooja Sapra	Detection of Phishing Websites Using Classification Algorithms
2:10 PM- 2:20 PM	140	1.Bhawna Sharma 2.Dr. Parvinder Singh	A review of Anti-phishing Techniques and its short comings
2:20 PM- 2:40 PM	10	1.Himani Aggarwal 2.Saniya Kapur 3.Varun Bahuguna 4.Preeti Nagrath 5.Rachna Jain	Chatbot to Map Medical Prognosis and Symptoms using Machine Learning
2:40 PM - 3:00 PM	18	1.Keshav Kaushik 2.Sneha Surana	An offensive approach for hiding malicious payloads in an image
3:00 PM - 3:20 PM	55	1.Dr. Naveen Tewari 2.Dr. Sandeep Kumar Budhani	Analysis of Risk and Security within Fog Computing enabled e-Healthcare System in Uttarakhand
3:20 PM-3:40 PM	204	1.Aditi Parashar 2. Ashwinta Giri 3. Sneha Lehri	ATM a Delicate Level of Trust

DAY 2

4th April 2021; Sunday

Time	Activity Scheduled
10:30 A.M.	Welcome address, Lamp Lighting
10:40 AM - 11:30 AM	Keynote address by Mr Shree Parthasarthy, Leader South Asia Cyber and Strategy Services, APAC Cyber Innovation, Deloitte
11:30 AM- 12:00 PM	Keynote address by Mr Shree Parthasarthy, Leader South Asia Cyber and Strategy Services, APAC Cyber Innovation, Deloitte

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SESSION#5 (1:30 PM Onwards)

SESSION CHAIR (External): Dr Manoj Kumar, Affiliation: University of Petroleum and Energy Studies, Dehradun
SESSION Coordinator (Internal): Ms. Chaitali
Contact Details: 9007623160

Time	Paper ID	Author's Names	Title of Paper
1:30 PM-1:50 PM	87	1.Abra Shafiq Siddiqi 2.Md. Afshar Alam 3.Deepa Mehta 4.Sherin Zafar	Machine Learning based Predictive analysis to abet Climatic Change Preparedness
1:50 PM-2:10 PM	98	1.Achal Kalwar 2.Rohan Mathur 3.Shubham Chavan 4.Chhaya Narvekar	Forest Cover Change Detection using Satellite Images
2:10 PM- 2:20 PM	153	1.Priyanka Maan 2.Hukum Singh 3.A Charan Kumari	Security augmented symmetric optical image cryptosystem based on hybrid transform employing rear mounted technique using three different complex masks
2:20 PM- 2:40 PM	147	1.Olasina Jamiu Rotimi 2.Sanjay Misra 3.Akshat Agrawal 4.Ezenwoke Azubuike 5.Rytis Maskeliunas 6.Robertas Damasevicius	Curbing Criminal Acts on Mobile Phone Network
2:40 PM - 3:00 PM	150	1.Paul Joan Ezra 2.Sanjay Misra 3.Akshat Agrawal 4.Jonathan Oluranti 5.Rytis Maskeliunas 6.Robertas Damasevicius	Secured communication using virtual private network
3:00 PM - 3:20 PM	190	1. Trishali Banerjee 2. Jansi K. R 3. Upasna Bhattacharje	Natural Language Querying and Visualization System

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SESSION#6 (1:30 PM Onwards)

SESSION CHAIR (External): Dr Nikhil Mariwala, **Affiliation:** University Institute of Engineering and Technology, Kurukshetra University
SESSION Coordinator (Internal): Ms. Kanika Gupta
Contact Details: 9560801114

Time	Paper ID	Author's Names	Title of Paper
1:30 PM-1:50 PM	61	1.Poonam Tijare 2.Jhansi Rani Prathuri	Correlation between K-means Clustering and Topic Modelling Methods on Twitter Datasets
1:50 PM-2:10 PM	133	1.Seema Rani 2.Amandeep Kaur	Automatic Test Case Generation and Fault Tolerant Framework Based on N Version and Recovery Block Mechanism
2:10 PM- 2:20 PM	93	1.Vartika Puri 2.Parmeet Kaur 3.Shelly Sachdeva	Efficient Clustering of Transactional data for Privacy-Preserving Data Publishing
2:20 PM- 2:40 PM	182	1.Ruchi Makani 2.B.V.R Reddy	Designing of Fuzzy logic-based Intrusion detection system (FIDS) for detection of Blackhole attack in AODV for MANETs
2:40 PM - 3:00 PM	38	1.Parv Bajaj 2.Ritika Arora 3.MehakKhurana 4.Shilpa Mahajan	Cloud Security: The Future of Data Storage
3:00 PM - 3:20 PM	152	1.Aakash Parthasarathy	Analysis of the Trust and Resilience of Consumer and Industrial Internet of Things (IoT) Systems in the Indian Context

7 SESSION#7 (1:30 PM Onwards)

SESSION CHAIR (External): Dr Keshav Kaushik, Affiliation: University of Petroleum and Energy Studies, Dehradun

SESSION Coordinator (Internal): Ms. Srishti Vasishtha

Contact Details: 9953812446

Time	Paper_ID	Author's Names	Title of Paper
1:30 PM-1:50 PM	155	1.Pooja Sapra 2.Vaishali Kalra 3.Simran Sejwal	Blockchain and IoT for Auto Leak Unearthing
1:50 PM-2:10 PM	39	1.Murugappan K 2.T. Sree Kala	An enhanced security framework for robotic process automation
2:10 PM- 2:20 PM	29	1.Geeta Sharma 2.Dr. Vinay Kumar 3.Dr. Kavita Chaudhary	Authentication of Digital Media using Reversible Watermarking
2:20 PM- 2:40 PM	135	1.Sagarika Behera 2.Jhansi Rani Prathuri	FPGA-Based design Architecture for fastLWE Fully Homomorphic Encryption
2:40 PM - 3:00 PM	187	1.Sandeep Sharma 2.Kavita Khanna 3.Prachi Alhawat	Survey for Detection and Analysis of Android Malware(s) through Artificial Intelligence Techniques
3:00 PM - 3:20 PM	79	1.Abra Shafiq Siddiqi 2.Md. Afshar Alam 3.Sherin Zafar 4.Samia Khan 5.Nida Iftekha	Cognition of driver drowsiness to inculcate predictive analysis
3:20 PM-3:40 PM	104	1.Dr. L. Rahunathan 2.Mr. D. Harish 3.Mr. A. Antony Samson 4.Dr.D.Sivabalaselvamani	Efficiency Analyzing on Vehicle Tracking Systems

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SESSION#8 (1:30 PM Onwards)

SESSION CHAIR (External): Dr SS Biswas, Affiliation: Jamia Hamdard University
SESSION Coordinator (Internal): Dr Neeti Kashyap
Contact Details: 9910076527

Time	Paper ID	Author's Names	Title of Paper
1:30 PM-1:50 PM	111	1.Rajeev Tiwari 2. Roohi Sille 3. Nilima Salankar 4. Pardeep Singh	Utilization and Energy Consumption Optimization for Cloud Computing environment
1:50 PM-2:10 PM	65	1.Chetan Rathod 2.Prof. (Dr.) AtulGonsai	Performance Analysis of Block and Stream Cypher Cryptographic algorithms for Audio
2:10 PM- 2:20 PM	23	1.Rajeev Tiwari, 2. Kamal Kumar, 3. Satyam Kumar 4. Shelly	Human-Sensing Technologies for Business Solutions
2:20 PM- 2:40 PM	28	1. U.Guruprasad, 2. R.GIRIJA, 3. R.Vedhapriyavadhana 4. S.L.Jayalakshmi	Assessment of open source tools and techniques for network security
2:40 PM - 3:00 PM	50	1.Khushnaseeb Roshan 2.Aasim Zafar	Deep Learning Approaches for Anomaly and Intrusion Detection in Computer Network: A Review
3:00 PM - 3:20 PM	17	1.Sonakshi 2.Seema Verma	A Blockchain-based Secure Car Hiring System
3:20 PM-3:40 PM	82	1.Bhawna Sharma 2.Rohit Vaid	A Comprehensive Study on Vulnerabilities and Attacks in Multicast Routing over Mobile Adhoc Network