Second International Conference on Security, Privacy and Data Analytics (ISPDA-2022)
December 13-15, 2022

Organized by
Department of Computer Science and Engineering
Sardar Vallabhbhai National Institute of Technology, Surat- India
(Hybrid Mode)

Conference Schedule
Google Meet Link: https://meet.google.com/iff-fjnp-jnr (For Online Participants)

DAY – 1 (13th December 2022)	
Time (IST) **09:00 AM to 10:30 AM**	**Registration** Venue: Seminar Room CO109, Old Computer Engineering Department
	Inaugural Function Venue: Seminar Room CO109, Old Computer Engineering Department Moderator: Mr. Akhil Chaurasia, Ms. Nidhi Joraviya, Ms. Shivangi Shukla
10:30 AM to 11:15 AM	**Welcome Address** : Dr. Bhavesh N. Gohil (SVNIT Surat) **About Conference** : Dr. Udai Pratap Rao (NIT Patna) **About Department** : Dr. Rupa G. Mehta, Head, DoCSE, SVNIT Surat **Address by Director** : Prof. Anupam Shukla, Director, SVNIT Surat **Address by Chief Guest** : Prof. Pradip K. Jain , Director, NIT Patna **Vote of Thanks** : Dr. Alok Kumar (SVNIT Surat)

11:15 AM to 11:30 AM	HIGH TEA BREAK

Keynote Session Moderator: Dr. Udai Pratap Rao, Mr. Vivek Champaneria	
Time (IST)	**Name of Speakers & Title**
11:30 AM to 12:30 PM	**Keynote Talk 1: Prof. Mohammad Obaidat, Distinguished Professor, King Abdullah II School of Information Technology, University of Jordan, Amman 11942, Jordan , University of Texas-Permian Basin, USA, University of Science and Technology Beijing, Beijing 100083, China.** **Title of the Talk: Innovative Biometric-Based Cybersecurity Methodologies for Risk-Based Authentication in Web Settings**
12:30 PM to 01:30 PM	**Keynote Talk 2: Dr. Zia Saquib, Senior Vice President- Technology Innovation Department, Reliance Jio** **Title of the Talk: Privacy and Data Analytics in Healthcare Applications**

01:30 PM to 02:30 PM	LUNCH BREAK

Paper Presentation Session 1 (Hybrid) (10 mins for each presentation including Q&A) Venue: Seminar Room CO109, Old Computer Engineering Department Session Chair: Prof. Mukesh A. Zaveri, Dr. Balu L. Parne Moderator: Mr. Himanshu Gajera			
	Paper ID	**Authors Details**	**Title of Papers**
02:30 PM to 04:00 PM	44	Rohitkumar Jigalur and **Chirag Modi**	A Conceptual Model for Click Fraud Detection and Prevention in Online Advertising using Blockchain
	74	Udai Pratap Rao, Pooja Choksy and **Akhil Chaurasia**	A Motive towards Enforcement of Attribute-based Access Control Models in Dynamic Environments

	1	**Bhupesh B. Lonkar** and Swapnili Karmore (Online)	Recent Advancements on Energy-Saving LEACH Protocol in Wireless Sensor Network-Review
	16	**Harshit Garg**, Mradul Tiwari, Mehul Rawal, Kaustubh Gupta, Ranvijay Singh and Mainejar Yadav (Online)	Personality Based Friends Recommendation System for Social Networks
	23	**Suryabhan Singh**, Kirti Sharma, Brijesh Kumar Karna and Pethuru Raj Chelliah (Online)	A New BERT -inspired Knowledge Distillation Approach towards Compressed AI Models for Edge Devices
	31	Ayushmaan Pandey and **Jagdeep Kaur** (Online)	Enhancing Security and Performance of Software Defect Prediction Models: A Literature Review
04:00 PM to 04:15 PM	**TEA BREAK**		
Keynote Session **Moderator: Dr. Udai Pratap Rao, Mr. Jignesh Joshi**			
Time (IST)	**Name of Speaker & Title**		
04:15 PM to 05:15 PM	**Keynote Talk 3: Dr. Gaurav Gupta, Scientist 'E'/Additional Director with the Ministry of Electronics and Information Technology (MeitY), Government of India** **Title of the Talk: Proactive Approaches to Combat Cyber Crime in Digital World**		

DAY – 2 (14th December 2022)

Keynote Session
Moderator: Dr. Sankita J. Patel, Ms. Shivangi Shukla

Time (IST)	Name of Speaker & Title
10:00 AM to 11:00 AM	**Keynote Talk 4: Prof. Balasubramanian Raman, Professor, Department of Computer Science and Engineering, IIT Roorkee** **Title of the Talk: To be announced**
11:00 AM to 11:15 AM	**TEA BREAK**

Tutorial Session
Moderator: Dr. Sankita J. Patel, Mr. Ashish Chaudhary

Time (IST)	Name of Speaker & Title
11:15 AM to 12:45 PM	**Tutorial Session 1: Dr. Anshuman Kalla[1], Raaj Anand Mishra[2], Megh Naik[1], Priyanshu Kapadia[1]** **[1]CGPIT, Uka Tarsadia University (UTU), Gujarat, India** **[2]Dell Technologies, Bangalore, India** **Topic- Emerging Applications of Blockchain Technology in India - Technical Challenges and Future Research Directions**
12:45 PM to 01:45 PM	**LUNCH BREAK**

Paper Presentation Session 2 (Online)
(10 mins for each presentation including Q&A)
Session Chair: Dr. Anshul Sharma, Dr. Antriksh Goswami
Moderator: Ms. Shivangi Shukla

01:45 PM to 03:15 PM	Paper ID	Authors Details	Title of Papers

	21	**Harshal Kallurkar** and B R Chandavarkar	Mitigation of Trust-related Issues in Cryptocurrency Payments using Machine learning: A Review
	28	**Jyoti Madake**, Akshay Vyas, Viabhav Pawale, Vibha Choudhary, Shripad Bhatlawande and Swati Shilaskar	Vision-Based Driver Assistance System to Detect Mountainous Roads using GLCM and Haralick Texture Features
	20	**Sanchita Pandey** and Kuldeep Kumar	Analysis of Different Sampling Techniques for Software Fault Prediction
	29	**Jyoti Madake**, Vedant Yawalkar, Yash Sambre, Rohan Waykos, Shripad Bhatlawande and Swati Shilaskar	Vision based Weather Condition Recognition for Driver Assistance
03:15 PM to 03:30 PM	**TEA BREAK**		
Paper Presentation Session 3 (Online) **(10 mins for each presentation including Q&A)** **Session Chair: Dr. Anushree Tripathi, Dr. Chirag Modi** **Moderator: Mr. Ashish Chaudhary**			
	Paper ID	**Authors Details**	**Title of Papers**
03:30 PM to 05:00 PM	14	**Divya Surve** and Anant Nimkar	An Exploration of Digital Forensic Techniques: A Brief Survey
	22	**Sarra Hammouti**, Belabbas Yagoubi and Sid Ahmed Makhlouf	Secured Workflow Scheduling Techniques in Cloud: A Survey
	67	**Gajanan Tikhe** and Pushpinder Singh Patheja	Mitigation of Distributed Denial of Service (DDoS) Attack Using Network Function Virtualization (NFV) - A Survey
	34	Prateek and **Rajeev Arya**	Malicious Sensor Node Extraction from Infested Acoustic Signals in Underwater Wireless Sensor Networks

	46	**Vamshi A**, Eswari R and Shivam Dubey	Public Data Auditing Scheme using RSA and Blockchain for Cloud Storage
	61	**Nitin Anand** and Khundrakpam Johnson	An Overview on Security and Privacy Concerns in IoT based Smart Environments

Keynote Session **Moderator: Dr. Alok Kumar, Mr. Akhil Chaurasia**	
Time (IST)	**Name of Speaker & Title**
05:00 PM to 06:00 PM	**Keynote Talk 5: Dr. Ravinder Singh, Modernising Technology Programme Manager, UK Cabinet Office – Central Digital and Data Office (CDDO), London** **Title of the Talk: Use of Emerging Technologies and Data for Better Business Decisions and Efficiencies**

DAY – 3 (15th December 2022)
Paper Presentation Session 4 (Online) **(10 mins for each presentation including Q&A)** **Session Chair: Dr. Reema Patel, Dr. Govind Gupta** **Moderator: Ms. Prarthana Mehta**
	Paper ID	**Authors Details**	**Title of Papers**
10:00 AM to 11:30 AM	73	**Venkata Bhikshapathi Chenam** and Syed Taqi Ali	Bidirectional Certificateless Searchable Authenticated Encryption for Encrypted Email Application in IoT
	24	**Sumedh Kamble** and B R Chandavarkar	AuthBlock: Authentication framework using Ethereum Blockchain
	45	Himanshu Kashyap, Alwyn Roshan Pais and **Cheemaladinne Kondaiah**	Machine Learning-Based Malware Detection and Classification in Encrypted TLS Traffic
	2	**Navarikuth Muraleedharan** and Janet Barnabas	Slow TCP port scan detection using flow data
	41	**Naman Rohilla**, Yogesh Goyal, Ajay Khasiya, Bhavesh Gohil and Ajay Shukla	Stock Market Prediction Using Different Algorithms
	43	**Cheekati Srikanth**, Rashmi M, Ramu S and Ram Mohana Reddy Guddeti.	A Novel Fake Job Posting Detection: An Empirical Study and Performance Evaluation Using ML and Ensemble Techniques
11:30 AM to 11:45AM	**TEA BREAK**
Keynote Session **Moderator: Dr. Alok Kumar, Ms. Nishtha Srivastava**
Time (IST)	**Name of Speaker & Title**

11:45AM to 12:45 PM	**Keynote Talk 6: Dr. Padmaja Joshi, Senior Director, Centre for Development of Advanced Computing (C-DAC), Mumbai** **Title of the Talk: Adaptive Authentication**
12:45 PM to 02:15 PM	**LUNCH BREAK**

Keynote Session
Moderator: Dr. Bhavesh N. Gohil, Ms. Nishtha Srivastava

Time (IST)	**Name of Speaker & Title**
02:15 PM to 03:15 PM	**Keynote Talk 7: Dr. Andrea Visconti, Department of Computer Science, University of Milan, Italy** **Title of the Talk: How Cryptography makes Blockchains Scalable and Secure**
03:15 PM to 03:30 PM	**TEA BREAK**

Paper Presentation Session 5 (Online)
(10 mins for each presentation including Q&A)
Session Chair: Dr. Pethuru Raj, Dr. Vivaksha Jariwala
Moderator: Mr. Jignesh Joshi

	Paper ID	Authors Details	Title of Papers
03:30 PM to 5:00 PM	71	**Sushma Garawad** and Suneeta V. Budihal	Intelligent Hotspot Detection in Layout Patterns
	78	**Vikas Palekar** and L Sathish Kumar	A Critical Analysis of Learning Approaches for Image Annotation Based on Semantic Correlation
	82	Smit Shah, Achyuta Krishna V, **V L Kartheek** and R Gururaj	A Clustering-Based Approach for Effective Prevention of SQL Injections
	57	**Ajay Singh**, Namrata Dhanda and Rajat Verma	Neuroimaging Data Analysis of an Artificial Intelligent Human Mind

	30	**Jyoti Madake**, Aditya Raje, Sarang Rajurkar, Rajas Rakhe, Shripad Bhatlawande and Swati Shilaskar	Vision based Distracted Driver Detection using Fusion of SIFT and ORB Feature Extraction
	70	**Lydia R Darla**, Sushma Garawad and Suneeta V. Budihal	Lithography Hotspot Detection
05:00 PM– Onwards	**Valedictory Function and Vote of Thanks**		
07:00 PM Onwards	**Conference Dinner** **Venue: Sardar Vallabhbhai Patel Bhavan Guest House**		