

## Programme Schedule

### International Conference on Engineering Cyber-Physical Systems and Critical Infrastructure (ECPS&CI – 2024)



Organised by : KALAM INSTITUTE OF TECHNOLOGY, Berhampur

In Collaboration with

BIJU PATNAIK UNIVERSITY OF TECHNOLOGY, Rourkela



Day-1, FRIDAY, 8<sup>th</sup> November 2024

Venue: KIT Auditorium

<b>DAY-1(8-11-2024)</b>	
<b>Time (AM)</b>	<b>Event</b>
9.00-10.00	<b>REGISTRATION</b>
	<b>INAUGURAL CEREMONY</b>
10.30	Welcome address by Anchors
10.33	Welcoming dignitaries to the Dais
10.34	Offering Flower bouquet to dignitaries.
10.39	Lighting of lamp by dignitaries followed by Ganesh Vandana
10.40	BPUT Anthem
10:43	Declaration of conference to be opened by Chief Guest, ECPS&CI-2024
10.44	Opening Song
10:47	Address by Convenor, Dr. Pabitra Kumar Tripathy, PRINCIPAL Kalam Institute of Technology
10:52	Address by Guest of Honour, Dr. Sachi Nandan Mohanty, Professor VIT-AP University
10.57	Address by Guest of Honour, Sri Pratap Chandra Panigrahy, Vice Chairman, Kalam Group of Institutions
10.59	Address by Guest of Honour, Sri Santosh Kumar Jena, Secretary, Kalam Group of Institutions
11.02	Address by President, Sri Kanhu Charan Choudhury, Chairman-cum-Director, Kalam Group Of Institutions.
11.05	Release of Souvneir
11.07	Address by Chief Guest, Prof.(Dr.) Amiya Kumar Rath, Chief-Patron ECPS&CI-2024 Vice Chancellor ,BPUT
11:22	Felicitation to all the dignitaries.
11.24	Vote of Thanks by Mr. Uma Sankar Mahanty
11:27	National Anthem
11.29	USA Anthem
11.31	Inviting dignitaries to be off the dias.
11.32	ODISHI Dance
11.40	<b>PHOTO SESSION</b>
	<b>TALK BY KEYNOTE SPEAKERS</b>
11.45 -12.25	Prof. (Dr.) Nihar Ranjan Pradhan, VIT – AP University
12.25 – 1.10	Prof. (Dr.) Fernando Moreira, Professor, REMIT, IJP, Portucalense University, Portugal
1.10-1.45	<b>LUNCH BREAK</b>
1.45-2.15	Dr. Deepa Jose, Professor and Head Research KCG College of Technology-affiliated to Anna University, Chennai.
2.15 -4.30	<b>WORKSHOP ON PYTHON</b>

## **TECHNICAL SESSION**

2.00-3.45

### **TRACK-I**

**Session Chair-I : Prof. Dr. Saroj Kumar Panigrahy**  
**Session Chair-II : Prof. Dr. Hemanta Kumar Reddy**

#### **PAPER ID**

#### **TITLE**

7 (2.00 – 2.15)

Artificial Intelligence in Cyber security: Enhancing Defense Mechanisms against Emerging Threats  
Tejinder kaur, Pradosh Kumar Gantayat , Madhusmita Majhi

18(2.15 – 2.30)

A Network Intrusion Detection System using Machine Learning Algorithms  
Anannya Barua, Padmasri Turaka, and Saroj Kumar Panigrahy

20(2.30 – 2.45)

A Survey on Security Enhancements in Wireless-Based Applications  
Lopamudra Prusty, Suneeta Satapathy, Satyasundara Mahapatra, Nishika Mishra , Pabitra Kumar Tripathy

22(2.45 – 3.00)

Federated Threat Detection with Dirichlet Distribution  
Saswati Chatterjee, Lalmohan Pattnaik, Suneeta Satpathy, Pabitra Kumar Tripathy

25(3.00 – 3.15)

Random Forest-Based Intrusion Detection: Enhancing Cyber Defense  
Ansh Dhir , Dr. Umesh Raut

26(3.15 – 3.30)

Mitigating DDoS Attacks in Software-Defined Networks: A Comparative Study of Machine Learning Classification Algorithms  
Subhendu Nayak, Bijay Paikaray, Jitendra Pramanik, Mamata Garanayak

27(3.30 – 3.45)

Pragmatic review and Implementation of models targeted toward the identification of fake social media profiles  
Bhrugumalla L V S Aditya, Sachi Nandan Mohanty

**END OF DAY-1**

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**DAY-II (9-11-2024)**

#### TALK BY KEYNOTE SPEAKER

10.00-11.00	Dr. Zahid Akhtar, State University of New York , USA Prof.
11.00-12.00	(Dr.) Suneeta Satapathy, SOA University
12.00-1.00	Prof. (Dr.) Dipti Prakash Chinara, Global Oil, Gas and Energy Company

#### TECHNICAL SESSION

**10.30-12.00**

#### TRACK-II

**Session Chair-I : Prof. Dr. D. Chandrasekhar Rao, Associate Professor, CUPGS, BPUT**

**Session Chair-II : Prof. Dr. Asish Kumar Dalei, VIT – AP University**

#### PAPER ID

#### TITLE

61(10.30-10.45)	Optimizing Secure Load Balancing in Cloud Computing: An Overview of Current Solutions and Future Opportunities Ashish Kumar Dass ,Asish Panigrahi ,Subhashree Sahu , Subratansu Panigrahi
29(10.45-11.00)	Countering the Imposters: An Efficient Multimodal Approach to Fake Profile Detection on Social Media Sites Bhrugumalla L V S Aditya, Sachi Nandan Mohanty, Vinoth kumar Kolluru, Advaitha Naidu Chintakunta
30(11.00-11.15)	A survey on cloud computing security: Challenges, issues and solutions Aryan Rana, Roshni Pradhan, Amiya Kumar Dash
38(11.15-11.30)	Cyber Threat Detection and Classification Using Machine Learning Techniques Bhagirathi Nayak, Sunil Mishra, Pritidhara Hota, Rajesh Kumar Ojha
28(11.30-11.45)	Theory of Computation Analysis of Fake User Identification via Explainable AI on Online Social Networks Bhrugumalla L V S Aditya, Sachi Nandan Mohanty, Vinoth kumar Kolluru, Advaitha Naidu Chintakunta
51(11.45-12.00)	Insurance Fraud Detection in Healthcare Using Machine Learning Techniques Tejinder kaur,Pradosh Kumar Gantayat ,Madhusmita Majhi

<b>10.30-12.00</b>	<b>TRACK-III</b>
	<b>Session Chair-I : Prof. Dr. Saroj Kumar Panigrahy, VIT – AP University</b> <b>Session Chair-II : Prof. Dr. Hemanta Kumar Reddy, VIT – AP University</b>
<b>PAPER ID</b>	<b>TITLE</b>
48(10.30-10.45)	Safeguarding Authenticity: Tackling the Cyber security Implications of Deep fake AI  Deepika Ajalkar,Arti Patle,Prasad Dhend,Vaishnavi Hande,Kshitija Gosavi ,Anuj Shukla
68(10.45-11.00)	Enhancing Real-time Security Monitoring: A Hybrid Machine Learning Approach to Cyber Threat Detection  VINOTHKUMAR KOLLURU, YAGNESH CHALLAGUNDLA, SUDEEP MUNGARA, ADVAITHA NAIDU CHINTAKUNTA, SIDDHARTHA NUTHAKKI
72(11.00-11.15)	Evaluating TabNet and Performance Against Phishing Threats using Deep Learning for Cybersecurity  VINOTH KUMAR KOLLURU , ADVAITHA NAIDU CHINTAKUNTA, SANJAY KUMAR RAUTA, SASI KAMALESH VADLANI and YAGNESH CHALLAGUNDLA , PADMA CHARAN SAHU
73(11.15-11.30)	Optimizing 5G Network Slicing for Threat Mitigation and Failure Resilience Using Deep Learning Techniques to be published by Springer Nature.  VINOTH KUMAR KOLLURU , LIKHIT SAI ESWARKALLA , YAGNESH CHALLAGUNDLA, ADVAITHA NAIDU CHINTAKUNTA , MANIK CHAND PATNAIK
84(11.30-11.45)	Comparative Analysis of Machine Learning, Neural Networks, and Quantum Hybrid Models for DDoS Attack Detection  Rohit Paul
90(11.45-12.00)	Hybrid Ensemble Models for Phishing Website Detection: A Comprehensive Comparative Analysis Using varies Classifier Approaches  AASHISH MISHRA, VINOTHKUMAR KOLLURU, SHUCHISHREE PANIGRAHY , SUDEEP MUNGARA , ADVAITHA NAIDU CHINTAKUNTA and SIDDHARTHA NUTHAKKI
12.20-1.00	<b>VELEDICTORY SESSION FOLLOWED BY BPUT ANTHEM</b>
1.00-1.45	<b>LUNCH BREAK</b>
1.45-4.15	<b>CULTURAL ACTIVITIES</b>
<b>END OF DAY-2</b>	