

# 1<sup>st</sup> International Conference on Artificial Intelligence, Security and Communications (AISC) 2022

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 **Session – 8**

## *Machine Learning, Deep Learning, Internet of Things, Networks and Security*



### **Marada Srinivasa Rao**

Assistant Professor,  
Department of Information Technology,  
MVGR College of Engineering (A),  
Vizianagaram, JNTU Kakinada,  
Andhra Pradesh, India

 +91 9347122678

 [srinivas.marada22@gmail.com](mailto:srinivas.marada22@gmail.com)



### **Dr. Ch.V.M.K.Hari**

Degree Lecturer,  
Department of Computer Science,  
Dr.V.S.Krishna Govt Degree and PG College(A)  
Visakhapatnam, Andhra Pradesh, India.


 9346885469, 9908241237

 [kurmahari@gmail.com](mailto:kurmahari@gmail.com)



### **Dr. Uppe Nanaji**

Professor. Dept. of CSE.  
Avanthi Institute of Engineering and  
Technology, Narsipatnam,  
JNTU Kakinada, Andhra Pradesh, India

 +91949437698,

 [nanajstiet@gmail.com](mailto:nanajstiet@gmail.com)



### **Dr. Nagesh Vadaparathi**


Professor & HOD, Dept. of IT,  
MVGR College of Engineering(A),  
Vizianagaram, JNTU Kakinada,  
Andhra Pradesh, India

 [hod.it@mvgrce.edu.in](mailto:hod.it@mvgrce.edu.in)



### **Dr. M. Srinivasa Rao**

Professor, Dept. of, CSE,  
Dadi Institute of Engineering and Technology  
Anakapalle, JNTU Kakinada,  
Andhra Pradesh, India


 +91 9676754069


 [sri\\_nivas\\_molli@rediffmail.com](mailto:sri_nivas_molli@rediffmail.com)



### **Dr.K.Narasimharaju**

Professor and Department of CSE,  
Lendi Institute of Engineering and Technology  
(A), Vizianagaram  
JNTU Kakinada, Andhra Pradesh, India

 98858 71466, 9381395778,

 [rj.vizagg@gmail.com](mailto:rj.vizagg@gmail.com)



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This AISC 2022 conference will provide an excellent international forum for sharing knowledge and results in the theory and applications of Machine Learning, Deep Learning, Computer Networks, the Internet of Things, and Security. Original papers are invited on Networks, the Internet of Things, and security. The AISC 2022 conference aims to provide a platform for researchers and practitioners from academia and industry to meet and share cutting-edge development in the field.

<http://aisc2022.iaasse.org/workshops.html>



 Topics of interest include, but are not limited to, the following:

### Machine Learning & Deep Learning

- ? Deep & Machine Learning Architecture for medical diagnosis
- ? Conventional Neural Networks for the classification of the images
- ? An insight into the variance of ML&DL algorithms and their applications
- ? Federated machine learning concepts and applications in the healthcare sector
- ? Optimization of deep learning networks
- ? Machine learning for critical healthcare
- ? ML & DL for industrial applications
- ? New methods for soft computing linked with deep learning
- ? Computational intelligence in the detection and the diagnosis of clinical bio-medical images
- ? Bio-inspired computing-based deep neural networks
- ? ML & DL for image segmentation and reconstruction
- ? Pattern recognition

- ? Integration of AI and IoT for the prediction and analysis of health records

### Computer Networks

- ? Next Generation Internet and Web Architectures
- ? Modeling & Simulation of communication networks and Systems
- ? Mobile Networks & Wireless LAN
- ? New Network Architectures
- ? Network-Based Emerging Applications
- ? Network Protocols and Wireless Networks
- ? Big data/Cloud computing and networks
- ? QoS and Resource Management in Networks
- ? Routing, Switching, and Addressing Techniques
- ? Self-Organizing Networks and Networked Systems
- ? 5G/6G cellular systems and heterogeneous networks
- ? Artificial intelligence (AI) and autonomous networking

- ? Vehicle-to-everything (V2X) and autonomous cars
- ? Wireless Multimedia Systems
- ? Recent Trends in Computer Networks

### Internet of Things

- ? 5G Networks and IoT
- ? IoT and Personal Data Protection
- ? IoT Interoperability and Multi-Platform Integration
- ? Sensor and Actuator Networks
- ? IoT Protocols and Standards
- ? Wearables, Body Sensor Networks, Smart Portable Devices
- ? Web of Things and Web of Everything
- ? Routing and Control Protocols
- ? Edge Computing, Fog Computing, and IoT
- ? Industrial IoT and Factory of Things and Internet of Things
- ? Smart Home, Smart Cities, Smart Public Places
- ? Smart Vehicle Automation
- ? Smart Agriculture and Water Management
- ? Smart factories and Industry 4.0

- ? Living and e-Wellness
- ? Smart Grid, Energy Management
- ? Crowd-sensing, human-centric sensing
- ? Big data and IoT Data Analytics
- ? Mobile Cloud Computing (MCC) and IoT
- ? Design principles and best practices for IoT application development

### Security

- ? Emerging techniques and algorithms in Cryptography
- ? Digital Signature Techniques
- ? Big Data Techniques in Cyber Security
- ? Forensic Analysis of Cyber Crimes
- ? Secure Design, Tooling, and Engineering
- ? Database security
- ? Advance Security techniques
- ? Cloud security
- ? Security & Privacy for Emerging Technologies: VoIP, Social Networks
- ? Cyber-physical systems
- ? Gaming Application Security
- ? Cyber security and AI
- ? Malicious cryptography
- ? Security-as-a-service
- ? IIoT security and privacy



### \* Important Dates / Deadlines / FEES (\$ USD) \*

- Submission of **Abstracts** : **August 31, 2022**
- Submission of **Full Paper** : **September 30, 2022**
- Notification of **Acceptance** : **October 15, 2022**
- Early Bird Registration** : **Oct 16 – Nov 08 , 2022**
- Oral presentation** of selected works : **November 25-26, 2022**
- Submission of **Final paper** : **December 20, 2022**



Category	Early Bird: on or before Oct 25, 2022		Regular Registration: Oct 25, 2022 - Till Oct 31, 2022		Spot Registration: Nov 25, 2022	
	IAASSE Members	Non Members	IAASSE Members	Non Members	IAASSE Members	Non Members
Full-Time Students	70.00	95.00	95.00	120.00	120.00	145.00
Faculty/ Research Scholars	95.00	120.00	120.00	145.00	145.00	170.00
Industry	115.00	140.00	140.00	165.00	165.00	190.00
Attendees	25.00	35.00	35.00	45.00	45.00	55.00



## **\*\* About Session Chairs \*\***

**Marada Srinivasa Rao** is working as an Assistant Professor in the Department of Information Technology at MVGR College of Engineering (Autonomous) Vizianagaram. He is pursuing his Ph.D. in the Department of Computer Science and Engineering from GITAM Deemed to be University, Visakhapatnam. He published 22+ research papers in various International and National Journals and Conferences (UGC approved/Scopus/web of science). He participated in 5 International Conferences and 6 International and National workshops, and 4 FDPs. He filed 1 Patent published in the Indian Patent Journal, Govt. of India.

**Dr. Molli Srinivasa Rao** is working as Professor in the department of computer science & Engineering at Dadi Institute of Engineering and Technology, JNTUK University, Kakinada, Andhra Pradesh India. He completed his Ph.D. in Computer Science and Systems Engineering (CS&SE) from Andhra University, Visakhapatnam, July 2018 and M. Tech in Computer Science & Technology (CST) from College of Engineering, Andhra University, 2003 and B. Tech from Chaitanya Bharathi Institute of Technology (CBIT), Osmania University, Hyderabad, 2001. Dr. M. Srinivasa Rao has more than 18 years of teaching experience in the field of Computer Science & Engineering. He published 20+ Research papers in various reputed (UGC approved, Scopus/ SCI / Web of Science) International and National Journals, magazines, and conferences. He is a member of different professional bodies like CSI, IAENG, EAI, LiveDNA, etc. He Guided 20 PG and 25 UG academic projects. His area of research is in Soft Computing techniques, Wireless Sensor Networks, Artificial Intelligence, Machine Learning, the Internet of Things, Data Science, etc.

**Dr. Nagesh Vadaparathi** is currently working as a Professor & Head of the Department of Information Technology, MVGR College of Engineering, Vizianagaram, Andhra Pradesh, India. He graduated from Nagpur University and completed Masters's and Doctoral degrees from JNTU Kakinada. He has 19 years of teaching experience, and his areas of interest include Hadoop & Big Data Analytics, Artificial Intelligence, Machine Learning, and Grid & Cloud Computing, apart from Medical Image processing & Emotion Recognition. He has published several research papers in National and International journals & conferences of repute. He has completed a funded project from IE(I) in the area of medical imaging and various consultancy projects specifically for the Police department of the Vizianagaram district. He has authored two books and has 4 patents to his credit. He was awarded "Jyesta Acharya" award by an NGO, BEEA. He is a Senior Member of IEEE, and a life member of IAENG, IACSIT, IFERP, IE (I), CSI, and ISTE.

**Dr. CH. V. M. K. Hari** is working as a Lecturer in the Department of Computer Science at Dr.V.S.Krishna Government Degree and P.G College, Visakhapatnam since 2015. He completed his Ph.D. in Computer Science with a specialization in Software Cost Estimation from Andhra University, Visakhapatnam. He published 30+ research papers in various International and National Journals and Conferences (UGC approved/Scopus/web of science). He participated in 9 International Conferences and 15 International and National workshops and 8 FDPs.



If you have any queries.



Please Contact :



**Mr. S . Bosubabu** (+91 9640641136 )



**Mr. P.J.V.G. Prakasa Rao** (+91 8919543171)



**Mr. N P Patnaik M** (+91 8328288485)



[research.cse@lendi.org](mailto:research.cse@lendi.org),  
[2021krcep1001@iitkota.ac.in](mailto:2021krcep1001@iitkota.ac.in)

