1. Title of the Special Session:

Recent Trends for Security in Artificial Intelligence and Data Science

2. Details of Session Chair and Co-Chair

Name (Session Chair): Dr. Priyanka Mishra   **Designation: Assistant Professor**
Email Id: priyanka.cse@iiitkota.ac.in   **Contact Number: 9460929966**

Name (Session Co-Chair):   Bosubabu Sambana   **Designation: Assistant Professor**
Email Id: bosukalam@gmail.com   **Contact Number: 9640641136**

3. Aims & Scope (Theme of Session):

Data science draws inspiration and its basis mainly from the fields of statistics and business intelligence and combines computer science and other modern technologies like artificial intelligence and machine learning to make smarter decisions. The data is analyzed and the results of the analysis are used to draw conclusions and make decisions based on the supporting data. Thorough data analytics knowledge of statistical techniques, quantitative capacity, business learning, logical thinking, Big Data, instruments to understand the accessible data, and asset management are some of the essential skills required to be a Business Analytics. Ultimately Data Science uses scientific processes, approaches, methods, systems, and algorithms to extract requisite insights and information from structured and unstructured data. Data Science comprises three main components, i.e. Big Data, Machine Learning, and Modelling in Data Science. Data science methods and techniques help to address some of the most challenging problems in this fields such as the management of huge amounts of log data and identification of anomalies or other clues that might pinpoint activities posing a risk for an organization. There is an urgency in big data security that cannot be ignored – particularly since the major issues facing big data change from year to year. Enterprises putting big data to good use must face the inherent security challenges – including everything from fake data generation to distributed frameworks.

4. Subtopics: Topics include (but are not limited to) the following:

The topics of interest for this special issue include, but are not limited to

- Artificial Intelligence
- Security
- Data Security
- Cyber Security

- Deep Learning
- Introduction to Data Science
- Mathematical & Statistical Skills
- Machine Learning
- Computer Vison
- NLP
- Blockchain
- Grid and Fog Computing
- Coding
- e-Commerce and e-Governance
- Algorithms used in Machine Learning
- Statistical Foundations for Data Science
- Data Structures & Algorithms
- Cloud Computing
- Super Computing
- High Performance Computing
- Scientific Computing
- Optimization Techniques
- Data Visualization
- Matrix Computations
- Scholastic Models
- Experimentation, Evaluation, and Project Deployment Tools
- Predictive Analytics and Segmentation using Clustering
- Applied Mathematics and Informatics
- Exploratory Data Analysis
- Business Acumen & Artificial Intelligence

5. **Technical Programme Committee(s) for special session:** (TPC should contain at least 3-5 active researchers of specialized area)

Dr.Yagireddi Ramesh

Dr.Uppe Nanaji

Dr.Satynarayana Mummana

Dr.K.V.Satyanarayana

Dr.K.Venkataramana

Contacts: All inquiries should be directed to the attention of Session Chair/Co-Chair:
E-mail ID: priyanka.cse@iiitkota.ac.in,   bosukalam@gmail.com
Mobile No.: 9460929966, 9640641136

Submission Guidelines for Authors

❖ Prospective authors are invited to submit original research work that falls within the scope of the session. All submissions will be thoroughly peer-reviewed by experts based on originality, significance, and clarity.

❖ Only papers presenting novel research results or successful innovative applications will be considered for publication in the conference proceedings.

❖ Authors are requested to submit their Manuscripts through the Easy Chair System. https://easychair.org/my/conference?conf=misp2022#

❖ The paper must be in Springer format and of the size of 12-15 pages. **Springer Author's Guidelines**

❖ Please visit the conference website for paper format and other details: https://misp2022.nitrr.ac.in/#

❖ All accepted and registered papers under MISP 2022 will be submitted for possible publication in Scopus Indexed Springer Book Series (approval pending).

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Special Session Timeline

Special Session Submission Deadline: **15th January 2022**
Acceptance Notification (1st round): 30th January 2022
Acceptance Notification (2nd round): February 15th, 2022
Camera Ready Submission: 20th February 2022
Registration Due: 25th February 2022
Conference Date: 12th March – 14th March 2022.