

# G. Narayanamma Institute of Technology & Science (for Women)

Autonomous (Accredited by NAAC & NBA)

## 5<sup>th</sup> International Conference on Data Science, Machine Learning & Applications (ICDSMLA)

15<sup>th</sup> – 16<sup>th</sup> December, 2023



## Organized by Department of Information Technology, GNITS

### ABOUT THE CONFERENCE

The 5<sup>th</sup> International Conference on Data Science, Machine Learning, and Applications (ICDSMLA-23) brings together researchers, practitioners, experts, academicians and students to present and discuss the latest innovations, trends, experiences, and issues in the field of data science and machine learning. In today's data-driven society, data science and machine learning are two interrelated disciplines that have acquired immense importance. They play a crucial role in gaining beneficial insights, making informed decisions, and contributing to innovation across a variety of industries. Machine learning a subset of artificial intelligence, enables systems to learn from data enabling advancements.

ICDSMLA aims to facilitate knowledge exchange, cross-discipline collaboration, promotion of innovative ideas, exhibiting of recent advancements and address challenges in data science and machine learning. Attendees acquire knowledge, build networks, and contribute to the advancement of these disciplines, thereby fostering the development of real-world applications and research breakthroughs.

### ABOUT GNITS

G.Narayanamma Institute of Technology & Science (GNITS) a leading Engineering college for women was founded by the late Sri G. Pulla Reddy in 1997, with the objective to provide quality education in Engineering. GNITS received UGC Autonomous status for 10 years from 2018 and is affiliated to Jawaharlal Nehru Technological University (JNTU-H), Hyderabad with accreditation from NAAC, NBA. College is listed in the rank band of 251-300 in NIRF-22 approved by MHRD. GNITS offers 8 B.Tech (CSE, CSM, CSD, IT, ECE, EEE & ETM) and 5 M.Tech (CSE, DECE, PEED, CNIS & WMC) programmes with 3200 students enrolled in the B.Tech stream and 120 in the M.Tech stream. The first colleges in India to establish Apple Lab, was inaugurated by Mr. Tim Cook, CEO of Apple. 28 MoUs with Industry are in place to support good internships and industry projects for students. Its excellent infrastructure provides opportunity for students to excel and secure placements in top MNCs on par with NITs, IITs & IIITs. The college has three research centres affiliated with JNTUH in CSE, ECE and EEE. The college has well qualified and dedicated faculty having 68 Doctorates and 94 pursuing PhD, contributing to quality publications and research activities. The institution has sponsored research and consultancy projects worth Rs.1.11 crore from various funding agencies in the last 3 years. 32 patents are published and 8 are in Grant Status

The Department of Information Technology was established in 1997 and the current intake is 120. In 2007, Post Graduate program in Computer Networks & Information Security with an intake of 12. The UG & PG programmes are NBA accredited. 90% of eligible students are getting placed in good companies like Twilio, Adobe, JPMC, Amazon etc with highest pay package of 48 L and average package is 9L.

### CALL FOR PAPERS

Submission of high quality papers is expected not limiting to the areas mentioned. We are interested in the entire range of concepts from theory to practice, including case studies, works-in-progress, and conceptual explorations. A virtual meeting platform is also made available for all registered authors who intend to submit their work but are unable to attend the conference.

**SUBMIT YOUR PAPER THROUGH : <https://cmt3.research.microsoft.com/User/Login?ReturnUrl=%2FICDSMLA2023>**

**The scope of this conference has been kept wide and following are the topics covered (but not limited to):**

- \* AI Applications in renewable energy systems
- \* Knowledge-based Systems and Formal Methods
- \* Artificial Intelligence
- \* Machine Learning
- \* Autonomous Agents
- \* Mathematical Modeling and Simulation
- \* Big data Tools & Technologies
- \* Microelectronics and VLSI and Embedded Systems
- \* Blockchain Communications- SG, 6G and onwards
- \* Natural Language Processing
- \* BMS and ML based EV Technologies
- \* Optimization Techniques
- \* Body Area Networks
- \* Parallel & Scalable Computing
- \* Cloud & Fog Computing
- \* Power Electronic devices in Smart Grid applications.
- \* Cognitive Computing
- \* Quantum Computing
- \* Communication technologies for EV Charging
- \* Real-time Analytics
- \* Computational Intelligence
- \* Recommendation Systems
- \* CyberPhysical Systems
- \* Satellite and Optical Communication
- \* Cyber Security
- \* Search Engines and Information Retrieval
- \* Data Analysis and Visualization
- \* Security and Information Assurance
- \* Data Science
- \* Security Tools & Technologies
- \* Deep Learning
- \* Sensor networks and embedded systems
- \* Distributed Computing
- \* Signal and Speech Processing
- \* Efficient battery management in EV Technology
- \* Smart Transmission grids with renewable energy Systems
- \* Geographic information systems
- \* Social Media
- \* Health Care
- \* Soft Computing
- \* Image and Video Processing
- \* Stream Mining
- \* Intelligent Agents
- \* Wireless Sensor Networks
- \* Internet of Things (IoT)

### INDEXING

**The proceedings of the ICDSMLA-23 conference will be published by the Springer and Indexed in Scopus.**

|                               |   |  |
|-------------------------------|---|--|
| Submission of Full Manuscript | : | 30 <sup>th</sup> September 2023                    |
| Notification of Acceptance    | : | 31 <sup>st</sup> October 2023                      |
| Manuscript Registration       | : | 3 <sup>rd</sup> November 2023                      |
| Submission of CRC             | : | 6 <sup>th</sup> November 2023                      |
| Conference Schedule           | : | 9 <sup>th</sup> December 2023                      |
| Conference Dates              | : | 15 <sup>th</sup> & 16 <sup>th</sup> December, 2023 |

**Find out More**

**7093526387 | 9550355770 | [icdsmla23@gnits.ac.in](mailto:icdsmla23@gnits.ac.in)  
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