

National Conference
On
Artificial Intelligence,
Blockchain, Cyber Security &
Data Science
(ABCD 2023)

www.abcd2023.com

28 - 29 June 2023



Organized by

Department of Computer Science
SRI VENKATESWARA UNIVERSITY,
TIRUPATI

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ABOUT SRI VENKATESWARA UNIVERSITY

Sri Venkateswara University was established in 1954, in Tirupati to cater the educational needs and aspirations of people of the Rayalaseema Region of Andhra Pradesh. After completing 68 years of excellence in teaching, research, extension and outreach activities, the University is committed to cater the needs of higher education offering a full range of post-graduate programs in Arts, Sciences, Law, Management, Education, Physical Education, Engineering and Pharmacy disciplines. From a humble beginning of one College with six departments, the University has now grown into the second largest University in Andhra Pradesh having five constituent Colleges Viz. College of Arts, College of Sciences, College of Commerce, Management & Computer Science, College of Pharmacy, and College of Engineering accommodating 52 departments offering 88 programs. The University has made rapid strides in the field of higher education and research and is adjudged as one of the best Universities in the country and got Accredited 'A+' grade by NAAC-2017 and Accredited 'A' grade by NAAC-2023.

ABOUT DEPARTMENT

The Department was established in 1985 and ever since its inception; the department has been a pioneering academic centre for higher education, research, and innovation in core and key areas of computer science and applications.

The Department of Computer Science was given the status of the separate department in 2003 after bifurcation from College of Engineering. It has grown in stature to be ranked amongst the best in the university offering world class pedagogical and research experience to its students.

The Department is recognized under Special Assistance Programme (SAP) by the University Grants Commission and has been awarded (NO: F.3-49/2011 (SAP-II)) for a period of 5 years with an amount of Rs.47,00,000 and SAP DRS-II with an amount of Rs.88,00,000 & with DST – FIST with an amount of Rs.60,00,000

Computer Science researchers contribute to cutting-edge research in topical areas of computer science and applications and are

active researchers in their respective domains of expertise enhancing publication profile and citations accumulated by the publications

The department's alumni include renowned academicians, leaders in computer and IT industry, distinguished scientists, and trendsetting entrepreneurs

The department currently offers two PG level professional programmes following Choice Based Credit System and two research-oriented programmes. Both M.Sc. (CS) & MCA are interdisciplinary programmes offering Computer Science subjects along with Mathematics, Statistics, Management and Commerce are also having as one of the core /elective subjects.

The courses offered in the department meet the requirements of both the industry and research. The curriculum is designed to train the students in developing application programmes (software) and also designing and developing computing systems (hardware). Faculty members taking classes, involving in curriculum development and implementation in the departments having computer subjects like Zoology, Biotechnology, Geography, Microbiology, Bioinformatics etc.

PROGRAM OBJECTIVES

Aims to bring together researchers from academic and industrial institutions and engineers who work in these fields from various locations to discuss new directions, developments, and findings in the field of Artificial Intelligence, Blockchain, Cyber Security & Data Science. This conference will be an ideal platform for the experts and young researchers to dispense their research findings in the area of Artificial Intelligence, Blockchain, Cyber Security & Data Science

WHO CAN APPLY

Academicians, Researchers, PG Students, Professionals from R&D and Industries are encouraged to submit articles.

RESOURCE PERSONS

Eminent speakers from academic institutions as well as renowned specialists and domain experts from leading software industries and R & D organizations will deliver special lectures on the mentioned fields.

ABOUT THE CONFERENCE

The ABCD 2023 Conference on Artificial Intelligence promotes theoretical and applied AI research as well as intellectual interchange among researchers and practitioners. The technical program features substantial, original research and practices. Conference panel discussions and invited presentations identify significant social, philosophical, and economic issues influencing AI's development throughout the world.

The ABCD 2023 Conference on Blockchain is devoted to: promoting the investigation of next-generation blockchain and DLT technologies; exploring the latest ideas, innovations, guidelines, theories, models, technologies, applications and tools of blockchain/DLT combined with other cutting-edge technologies; and identifying critical issues and challenges that researchers and practitioners must deal with in future research.

The ABCD 2023 Conference on Cyber Security provides an opportunity for leaders in cybersecurity from the academic, analytic, operations, research, corporate, and law enforcement arenas to come together and coordinate their efforts, creating a more secure cyberspace. The conference provides a unique opportunity for attendees to learn about the latest trends and developments in the field and to gain insights into emerging technologies and techniques.

The ABCD 2023 Conference on Data Science brings together data scientists, researchers, practitioners, and industry experts to discuss emerging trends, share research findings, and collaborate on interdisciplinary projects related to data science and statistics. The conference covers various topics, including machine learning, big data analytics, statistical modeling, data ethics, and more. It provides a valuable forum for advancing the field and addressing complex data analysis and interpretation challenges and to learn about the latest techniques, tools, and strategies for leveraging data to drive business outcomes.

MAJOR THEMES & SUB-THEMES OF THE CONFERENCE

Artificial Intelligence

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| <ul style="list-style-type: none">▪ AI Algorithms▪ Artificial Intelligence tools & Applications▪ Automatic Control▪ Bioinformatics▪ Natural Language Processing▪ CAD Design & Testing▪ Computer Vision and Speech Understanding▪ Data Mining and Machine Learning Tools▪ Fuzzy Logic▪ Heuristic and AI Planning Strategies and Tools▪ Computational Theories of Learning▪ Hybrid Intelligent Systems | <ul style="list-style-type: none">▪ Knowledge Representation▪ Knowledge-based Systems▪ Mechatronics▪ Multimedia & Cognitive Informatics▪ Neural Networks▪ Parallel Processing▪ Pattern Recognition▪ Robotics▪ Semantic Web Techniques and Technologies▪ Soft computing theory and applications▪ Software & Hardware Architectures▪ Information Retrieval▪ Intelligent System Architectures |
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Blockchain

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| <ul style="list-style-type: none">▪ Blockchain and artificial intelligence▪ Blockchain and game theory▪ Blockchain and industry 4.0▪ Blockchain in the Internet of things (IoT)▪ Blockchain in cyber physical systems▪ Blockchain in social networking▪ Blockchain in supply chain management▪ Blockchain in agriculture▪ Blockchain in connected and autonomous vehicles▪ Blockchain in crowdsourcing and crowdsensing | <ul style="list-style-type: none">▪ Attacks and vulnerabilities of blockchain▪ Blockchain scalability and performance optimization▪ Theories of blockchain and distributed ledger technology▪ Distributed consensus and fault tolerance mechanisms▪ Decentralization, scalability, and security tradeoff▪ Performance, Scalability Issues▪ Distributed Database Technologies for Blockchain▪ Blockchain Interoperability and Cross-chain mechanisms▪ Blockchain Platforms▪ Blockchain social media platforms/tokens |
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- Blockchain in mobile cellular networks
- Blockchain in edge and cloud computing
- Blockchain in next generation communications and networks
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- Blockchain and Cryptocurrency
- Applications and services based on blockchain
- Protocols and algorithms based on blockchain

Cyber Security

- Database Security
- Big Data Techniques in Cyber Security
- Digital Signature Techniques
- Forensic Analysis of Cyber Crimes
- Secure User Authentication
- Spam Protection
- Advance Persistent Threat
- Secret Sharing
- Key Management
- Security in Mobile Networks
- Hardware Security
- Cloud Security

- Cyber Physical System
- Network Protocols
- Next-generation Communication Networks
- Mobile & Ubiquitous Communication Networks
- Mobile Cloud
- Cloud and Systems Management
- Cloud Computing and Networking
- Internet Technologies
- Information-Centric Networking
- Big Data Communication and Analytics
- Data Network Management

Data Science

- Multivariate analysis
- Nonparametric statistics
- Spatial statistics
- Robust statistics
- Extreme value theory
- Time series analysis
- Multi-block methods
- High-dimensional data analysis
- Latent variable models
- Symbolic data analysis
- Compositional data analysis
- Functional data analysis
- Censored data analysis
- Fuzzy data analysis
- Bayesian analysis

- Numerical analysis in computational statistics
- Optimization methods in computational statistics
- Data structure and complex data
- Parallel computing for data science applications
- Data Science Techniques and Applications
- Data Warehousing and Data Mining
- Disaster Management
- Social Network Analysis

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| <ul style="list-style-type: none"> ▪ Biostatistics and biocomputing ▪ Statistical signal processing ▪ Text processing ▪ Big data analysis ▪ Data visualization ▪ Machine learning ▪ Artificial intelligence ▪ Deep learning ▪ Resampling methods | <ul style="list-style-type: none"> ▪ Text, Audio and Video data Analysis ▪ Motion Planning ▪ Decision-making ▪ Data mining in Dynamic Environment ▪ Hybrid Computing ▪ Big Data Analytics ▪ Digital Marketing and Ecommerce |
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PAPER SUBMISSION

High-quality full-length papers in all ABCD 2023 areas are solicited. Authors are expected to ensure that their final manuscripts are original and are not appearing in other publications. Paper should be limited to 6 pages and submitted in single column format. All submissions will be handled electronically. Participants desirous of presenting their work pertaining to the theme may submit the papers to the E-mail: abcd2023.svu@gmail.com or through online submission system <http://abcd2023.com/Submission/openconf.php>

PUBLICATION

Accepted and registered papers will be published in the ABCD 2023 proceedings with ISBN. Accepted papers will be invited for publication in UGC CARE List, Web of Science, SCOPUS Indexed Journals with publication cost which excludes registration fee.

IMPORTANT DATES

Last date for submission of full paper	22 June 2023
Notification for acceptance	23 June 2023
Last date for Registration	25 June 2023
Conference dates	28/06/2023 to 29/06/2023

REGISTRATION FEE (Per Delegate)

Category	Fee
PG students/Research Scholars	1500

Faculty/Scientist	2000
Industry/NGO	2500
Foreign participants	\$100

All the delegates must register in advance for participation in this Conference. The registration form can be submitted directly <http://icabcd2023.com/registration.php> or downloaded and filled in form along with the payment slip drawn in favor of “The Organizing Secretary, ABCD2023” payable at Tirupati on or before 25 June 2023 to the below address by Registered Post / Speed Post

To

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Blockchain, Cyber Security &
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REGISTRATION FORM

Name :

Organization :

Designation :

Qualification :

Specialization :

Mobile :

E-mail :

Area in which the paper submitted : **Artificial Intelligence / Blockchain / Cyber Security /Data Science**

Title of the paper :

Co- authors names(s) :

Payment Details :

DD Number : **Amount :**

Date : **Bank :**

Signature of the Applicant

Signature of the Principal