



M.V.S Government Arts & Science College (A)

Re-accredited with NAAC B++ Grade
Mahabubnagar, Telangana.
(Affiliated to Palamuru University)



Sponsored by
Pradhan Mantri - Uchchatar Shiksha Abhiyan
(PM-USHA), Telangana.

25-26
April
2025

Two Day
National Conference on
**AI and IoT for
Sustainable Agriculture
and Societal Advancements:
Innovation and Research
Frontiers (AISAS 2025),
Transformation and Beyond.**
(Offline & Online - Blended Mode)

Organised by :

Department of Computer Science & Applications
M.V.S Government Arts & Science College (A)
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M.V.S Government Arts & Science College (A)

M.V.S. Government Arts and Science College, Mahabubnagar, established in 1965, has been a pioneering institution in the region, offering quality education across various disciplines. Affiliated with Palamuru University, the college has consistently upheld its mission of imparting knowledge, fostering innovation, and nurturing talent. The Department of Computer Science, in particular, has played a pivotal role in promoting digital literacy and technological awareness among students. With a strong commitment to academic excellence and societal development, the college has become a center for progressive learning and research in the Mahabubnagar district.

The Department of Computer Science is proud to organize a two-day national conference titled "AI and IoT for Sustainable Agriculture and Societal Advancements: Innovation and Research Frontiers (AISAS 2025), Sponsored by PradhanManthri - UchcharShikshaAbhiyan (PM-USHA), Telanagana." This conference aims to bring together researchers, scientists, academicians, industry experts, and students to explore the transformative role of Artificial Intelligence and the Internet of Things in addressing key challenges in agriculture and societal development. Topics will include precision farming, smart irrigation, crop monitoring, sustainable resource management, and AI-driven solutions for rural and urban communities. The conference will provide a collaborative platform to discuss innovative research, exchange ideas, and promote interdisciplinary approaches for a sustainable future.

Recent years have witnessed remarkable technological advancements, particularly in the fields of agriculture and digital infrastructure. The adoption of smart irrigation systems, solar-powered farming equipment, and AI-based crop monitoring applications has empowered farmers to enhance productivity and optimize resource management. Initiatives such as digital soil health cards and mobile-based advisory services are enabling informed decision-making and promoting sustainable agricultural practices. Furthermore, the expansion of internet connectivity in rural areas and the implementation of digital literacy programs are playing a crucial role in bridging the digital divide, fostering inclusive economic growth, and improving overall quality of life. In this context, the conference also invites research contributions that support societal well-being, emphasizing sustainable technologies and innovative solutions. Researchers are encouraged to present works that address community development, social equity, and the enhancement of quality of life through responsible technological advancements.



CONFERENCE TRACKS

1. AI and IoT in Sustainable Agriculture

- Precision Agriculture and Smart Farming Solutions
- AI-Based Crop Health Monitoring and Disease Detection
- IoT-Enabled Smart Irrigation and Water Management Systems
- Automated Farm Machinery and Robotics
- Climate-Resilient Agricultural Practices Using AI
- Soil Health Monitoring and Fertility Management
- Predictive Analytics for Crop Yield Forecasting

2. AI and IoT for Environmental Sustainability

- Smart Environmental Monitoring Systems
- AI Solutions for Water Conservation and Management
- Waste Management and Recycling Technologies
- Renewable Energy Solutions Powered by IoT
- AI-Driven Climate Change Mitigation Strategies

3. Societal Advancements through AI and IoT

- Smart Cities and Urban Development
- AI for Healthcare and Telemedicine in Rural Areas
- IoT Solutions for Education and Digital Literacy
- AI for Social Welfare and Inclusive Growth
- Assistive Technologies for Differently-Abled Individuals
- AI in Public Safety and Disaster Management

4. Innovations in AI and IoT Technologies

- Machine Learning and Deep Learning Applications
- Edge Computing and Fog Computing for IoT
- Sensor Networks and Embedded Systems
- Blockchain Integration with IoT for Secure Transactions
- Data Privacy and Security in AI and IoT Systems
- Ethical and Regulatory Aspects of AI and IoT Deployment

5. Start-ups, Industry Collaborations, and Policy Perspectives

- Role of Start-ups in Driving AI and IoT Innovations
- Industry-Academia Collaborations for Technological Advancements
- Government Policies and Initiatives Supporting Smart Agriculture
- Funding Opportunities and Entrepreneurship in Agri-Tech
- Case Studies of Successful AI and IoT Implementations

Tourist Attractions in and around Mahabubnagar (Scan the following QR)



Note : Subject to prior request and financial constraints, the organizers may arrange visits to prominent local tourist attractions for conference interstate participants.

AUTHORS GUIDELINES

1. Paper Format: Single Column, A4 Size and 1.5 line spacing
2. Font Style: Times New Roman (size 12)
3. Paper limit: not exceeding 10 pages including all tables, figures, and reference (APA 7th Edition)
4. First page: Title, Author(s) Name(s) and Affiliation(S) with contact email id and postal address
5. Second page onwards: Title, Abstract (limited with 250 words), Keywords(s) followed by the main text with Introduction, Literature review and Research Gap, Research problem and Significance of the study, Research methodology, Analysis and interpretations, Conclusions, Suggestions and Reference.

Articles received during the conference are expected to be published as a special issue in a UGC CARE journal, with potential indexing in Scopus or Web of Science. Subject to financial availability, authors may be required to bear the publication charges.

Note: These themes are indicative and not exhaustive; authors are encouraged to submit their original research contributions related to these areas or any other relevant topics aligned with the conference focus.

6. One of the authors is expected to present the paper either in Online or Offline mode.
7. "The top three research papers will be awarded cash prizes:

- First Prize – ₹10,000,
- Second Prize – ₹7,500, and
- Third Prize – ₹5,000."
- And many exciting consolations...

IMPORTANT DATES

| | |
|------------------------------------|------------------|
| Deadline for submitting abstract | 12.04.2025 |
| Deadline for submitting full paper | 19.04.2025 |
| Registration open till | 25.04.2025 |
| Conference date(s) | 25-26 April 2025 |

Reimbursement will be provided for outstation paper presenters; however, only a one-way sleeper class fare will be covered, Subject to financial availability.

REGISTRATION FEES (₹)

| Details | Offline | Online |
|---|---------|--------|
| Foreign Delegates | 20\$ | 20\$ |
| Industry Professionals | 1000 | 1000 |
| Academics | 1000 | 800 |
| Faculty from Government Degree Colleges, Telangana (Subject: All Disciplines) | 500 | 500 |
| Research Scholars/Students | 500 | 300 |
| Participants | 300 | |

For Info/Paper Submission:

mvscomputerscience@gmail.com

PAYMENT DETAILS : Name of Beneficiary: **G. Vijay Kumar (8019942437)**

Name of Bank: **Union Bank of India,**

Branch: **Opp. Police Head Quarters, Mahabubnagar.**

A/c No: 035010100143287, IFSC Code: UBIN0803502

CHIEF PATRONS

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- Prof. G Yadagiri, Joint Director-II, TGCCE, Hyderabad.
- Prof. P Balabhaskar, Academic Guidance Officer (AGO), TGCCE, Hyderabad.
- Dr. Soundarya Joseph, Project Officer, PM-USHA, Telangana.

Chairperson

- Dr. K Padmavathi, Principal, M.V.S Government Arts & Science College, Mahabubnagar.

ORGANIZING COMMITTEE

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Payment QR



Google Form Registration

Advisory Board

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- Dr K Satyabhaskar Reddy, Physical Director.

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- S Divya, II M.Sc Computer Science

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