Scan To Register

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Registration Link: Click Here

Contact Details

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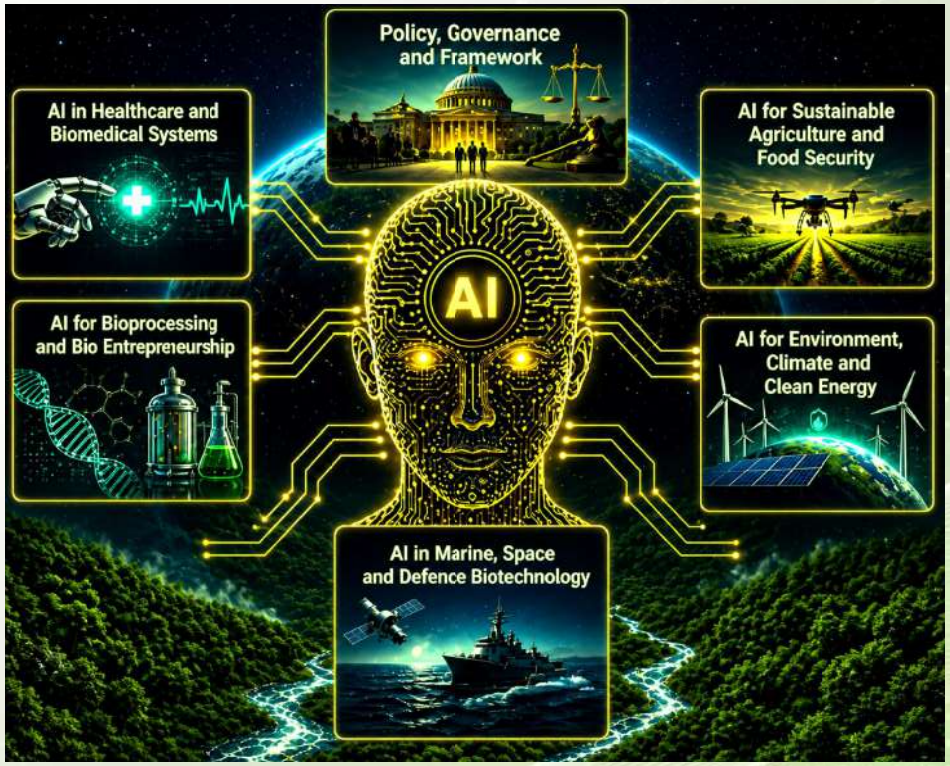
icaibts2026@gmail.com

+91 824 730 7129 / +91 91105 19560

INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE FOR SUSTAINABLE FUTURE: TRANSFORMING BIOTECHNOLOGY-DRIVEN SCIENCE, TECHNOLOGY, AND SOCIETY (ICAIBTS 2026)



10th-12th August 2026

Website Link : https://icaibts.jntuh.ac.in

Jawaharlal Nehru Technological University Hyderabad

SUBMISSION CRITERIA

Call For Papers

- Original research
- Interdisciplinary and application-oriented studies
- AI-enabled biotechnology & sustainability focus

Submission Details :

- Abstract Length: 250–300 words
- Keywords: 4–6
- Mode of Submission: Online

Poster Details

- 36 in. x 48 in. Portrait
- Font Size: 72–100 Pt
- Body: 24–36 Pt

AI Based Innovation Expo Details

1. Software & Algorithm Development
2. Prototype and Hardware models
3. Data Visualization & Predictive Research
4. Biofoundries

Submission Deadline: 30th June 2026

Registration & Fees (including GST)

- Faculty / Scientists: ₹3500
- Industry: ₹5000
- PhD Scholars / PDFs: ₹2000
- Students: ₹1000
- Foreign Nationals: USD $ 500
- (USD 300 for OWSD countries)
- session charges: ₹ 1000 per session
- Awards: Best Paper, Poster,
- Young Researcher Awards

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Hon'ble Vice-chancellor
JNTUH

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Dr Amaranadha Reddy Manchuri
CEO, VIRAT Foundation

CO-CONVENER

Dr. Y. Sabitha, CEO, Ciencia Labs, NCI-OWSD, Hyderabad

CONFERENCE OBJECTIVES

· To promote AI-enabled Biotechnology Research and Innovation
· To foster interdisciplinary collaboration across domains
· To bridge academia–industry–policy ecosystems
· To explore AI-based solutions for sustainability challenges
· To encourage responsible and ethical use of AI

NATIONAL & GLOBAL RELEVANCE

· AI Based Digital Transformation In BT
· BT AI-driven innovation ecosystems
· AI-BT Skill development & employment generation

CONFERENCE EVENTS

1. Invited Talks
2. Oral Presentations
3. Panel Discussions
4. Debates
5. AI Innovation Expo

BANK DETAILS

Account Number: 44985588708
Account Type: Current account
IFSC CODE: SBIN0021008
Bank Name: State Bank of India
Branch Name: JNTU Campus Branch, Hyderabad

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Key Thematic Areas

Track 1: AI for Bio-Processing & Bio entrepreneurship

- Real-Time Monitoring & Soft Sensors
- Digital Twins and Hybrid Modeling
- Downstream Process Modeling & Continuous Purification
- Bio-Market Intelligence & Surveys
- Business Model Innovation
- Investment & Funding Analytics
- Regulatory & Policy Navigation

Track 2: AI in Healthcare & Biomedical Systems

- AI-Based Diagnostics & Medical Imaging
- Digital Health Platform & Decision Support
- Personalized & Preventive Medicine
- AI-based Precision Biotherapeutics
- Ethical & Regulatory Aspects of AI in Healthcare

Track 3: AI for Sustainable Agriculture & Food Security

- Precision Agriculture & Smart Farming
- Climate-Resilient Crops & Functional foods
- Food Supply Chains & Sustainability Analytics
- Bio Based Material Platforms

Track 4: AI for Environment, Climate & Clean Energy

- AI-Driven Climate Modelling & Mitigation
- Carbon Capture & Circular Bioeconomy
- Renewable Energy & Green Fuels
- Environmental Monitoring & BioDiversity Conversation

Track 5: AI in Marine, Space & Defence Biotechnology

- Marine Bioresources & Blue Biotechnology
- Space Biotechnology & Life-Support Systems
- Biomimicking Navigation & Defence Intelligence
- Strategic and National Security Technologies

Track 6: Policy, Governance & Society

- AI-driven Policy Frameworks
- Ethical, Legal & Social Implications of AI
- AI in Education, Skilling & Capacity Building
- Employment, Inclusivity & Societal Transformation

ABOUT THE CONFERENCE

Biological systems at molecular, organ, and organism levels function in highly dynamic environments with precision through interconnected biomolecular networks generating big data. Applications in agriculture, healthcare, defense, and environmental sustainability must effectively manage this data while addressing the limitations of current AI computing and adhering to ethical research boundaries. The conference offers a multidisciplinary platform for researchers, academicians, industry experts, and policymakers to explore biotechnology-driven innovations for sustainable societal development using AI.

ABOUT JNTUH

Jawaharlal Nehru Technological University Hyderabad (JNTUH) is the first technological university in the country, known for excellence in engineering, science, research, and innovation. Hosting this conference highlights JNTUH's commitment to fostering emerging technologies including AI, Biotechnology, sustainable engineering, and advanced materials.

ABOUT OWSD

The Organization for Women in Science for the Developing World (OWSD) is an international organization founded in 1987 and based at the offices of The World Academy of Sciences (TWAS), in Trieste, Italy. It is a programme unit of UNESCO. OWSD promotes global participation of women in STEM. Its involvement strengthens international collaboration, gender equity, and leadership in AI-enabled sustainable development.

ABOUT VIRAT FOUNDATION

VIRAT is actively engaged in research involving solutions to environmental sustainability leading to holistic living of mankind with nature.