

About JNTUH:

Jawaharlal Nehru Technological University, the **First Technological University** of India, was established on 2nd October 1972 in Andhra Pradesh with head quarters located in a historical city **Hyderabad**, with the primary objective of imparting high quality technical education and promoting applied research and consultancy. The university was divided into four universities in the year 2008 and now it is renamed as Jawaharlal Nehru Technological University Hyderabad (JNTUH), Kukatpally, Hyderabad. Apart from its four prestigious constituent colleges at Hyderabad, Karimnagar, Manthani and sultanpur, a total of 463 Engineering, Pharmacy and Management colleges are affiliated to J N T U Hyderabad. It also has constituent units such as School of Information Technology, Institute of Science and Technology, School of Management studies, School of continuing and Distance Education, UGC Academic Staff College, Bureau of Industrial consultancy Services and Directorate of Innovative Technologies. JNTUH is one of the premier organizations in the country offering technological education.

About MathWorks:

MathWorks is the leading developer of mathematical computing software. MATLAB, the language of engineers and scientists, is a programming environment for algorithm development, data analysis, visualization, and numeric computation. Simulink is a block diagram environment

for simulation and Model-Based Design of multidomain and embedded engineering systems. Engineers and scientists worldwide rely on these products to accelerate the pace of discovery, innovation, and development in automotive, aerospace, communications, electronics, industrial automation, and other industries. MATLAB and Simulink are fundamental teaching and research tools in the world's top universities and learning institutions. Founded in 1984, MathWorks employs more than 6,000 people in 34 offices around the world, with headquarters in Natick, Massachusetts, USA. For additional information, visit mathworks.com.

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About the Workshop:

JNTU Hyderabad and MathWorks have joined forces to host a complimentary full-day in-person seminar on 19th June 2024 at JNTUH Auditorium. The event focuses on the emerging trend of Artificial Intelligence, Electrification & IoT in the industry-academic-research ecosystem. Attendees will gain insights from technical experts, academicians, and MathWorks professionals who will highlight key technological advancements and engineering applications. The seminar will

also showcase how MATLAB and Simulink tools are driving innovation in curriculum & research in AI, Electrification & IoT, and how these trends are shaping the future workforce.

- Participation is free, but registration is mandatory to join the seminar.
- On-spot registrations are not allowed.

Highlights

- System-level thinking with AI as a megatrend.
- Designing Greener Technologies through Model-Based Design
- Mentoring student teams for racing competitions
- Low-cost hardware integration and IoT with MATLAB & Simulink
- Demo showcase booth on Hardware Connectivity
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Agenda:

- Welcome & Introduction
Dr Madhavi Latha, JNTU Hyderabad
- Megatrends - Demystifying the rise of LLMs for Engineering Design
Ms. Zahida Vaseem, MathWorks
- Master Class on AI for Engineering Applications
Dr. Lakshminarayan Viju Ravichandran, MathWorks
- Incorporating AI in Engineering and Computer Science Curriculum
Mr. Ramana Anchuri, MathWorks & Dr. Lakshminarayan Viju Ravichandran, MathWorks

- Accelerating Success: Harnessing MATLAB & Simulink for Motorsport Simulation
Mr. Manoneet Kumar Singh, Vishnu Motorsports
- Hardware Connectivity & IoT with MATLAB, Simulink & ThingSpeak
Mr. Ramana Anchuri, MathWorks
- Best Poster Award, Valedictory and Closing Remarks

Who Should Attend:

- Faculty Members from engineering institutes
- Scientists (Government laboratories)
- Startups
- Industry Professionals

Important Dates:

Last date to register:	16 th June 2024, 5:00PM
Seminar Date:	19 th June 2024 from 08:30am to 5:00pm

Venue: Jawaharlal Nehru Technological University Auditorium, JNTUH

No. of Participants: Limited to 150 on First Come First Serve basis.

Registration Fee: There is no fee.

Address for Correspondence

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Registration Details:

Registration URL

<https://tinyurl.com/JNTUH-MathWorks-Seminar19Jun24>

OR

Scan QR Code for Registration



Note: If you are UG/PG student or a research scholar, please do not register/attend, as this is specifically designed for the above stakeholders only. You can visit the Students Program [<https://in.mathworks.com/academia/students.html>] page to know more about our programs and resources for students.

A One day National Workshop on

**“Leading the Way:
Navigating the Emerging
Trends of AI,
Electrification & IoT in
Engineering Education”**

19th June 2024

@JNTUH Auditorium

Organized by



JNTUH, Hyderabad– 500 085,
Telangana, INDIA.

In Association with

