





I-STEM, OPSA, GOI IN COLLABORATION WITH NIT CALICUT PRESENTS

BRIDGING THE GAP: EMPOWERING RESEARCH THROUGH SHARED SCIENTIFIC INFRASTRUCTURE

NIT CALICUT BHASKARA HALL

Dive into 2-days of INNOVATION, COLLABORATION and LEARNING

# National Institute of Technology





#### **CONTACT INFORMATION**

www.nitc.ac.in #

randc.nitc.ac.in  $\bigoplus$ 

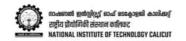
www.istem.gov.in 🌐

www.psa.gov.in/i-stem #

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### **About**

The workshop aims to foster collaboration and raise awareness among regional research institutions through hands-on training, live demonstrations, and knowledge sharing. It is designed to empower researchers, startups, industries, and academic professionals, particularly those in and around NIT Calicut, to effectively utilize the I-STEM portal for resource sharing, equipment access, and enhanced visibility within India's national research ecosystem.

## **Workshop Objectives**

- Enhance awareness of advanced laboratory facilities accessible through the I-STEM platform.
- Showcase the shared research infrastructure and resources available at NIT Calicut.
- Explore lab-to-industry pathways to foster research-driven innovation and collaboration.
- Facilitate collaboration opportunities through I-STEM, connecting academic institutions, industries, and government R&D bodies to accelerate scientific discovery and innovation.
  - Host expert talks by industry professionals to provide insights on leveraging national research infrastructure for product development and technological advancement.
  - Offer hands-on training on institutional registration procedures and equipment listing on the I-STEM national portal.









## **Target Audience**

- · Faculty, Scientists, Research Scholars (Ph.D. & Post-doctoral)
- · Academic Institutions
- · Startups and Industry professionals-
- · R&D Labs working in the areas of Science-
- · Engineering, Agriculture, Medical Sciences, and other scientific fields



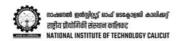
## **Hosts of SAMAVESHA 11**

#### NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

The National Institute of Technology Calicut (NITC), established in 1961, is a premier technical institution recognized as an Institute of National Importance under the NITSER Act, 2007. Ranked 25th in Engineering and 3rd in Architecture and Planning in the NIRF 2024 rankings, NITC is a leading center for scientific and technological education and research in India.

NITC is dedicated to innovation and entrepreneurship through the National Innovation and Startup Policy (NISP 2019), supported by its Technology Business Incubation Center, IPR Cell, and Institution's Innovation Council. The institute is a multidisciplinary hub with a focus on teaching and stratified research, driven by around 420 faculty members known for their academic and research excellence.









At the core of NITC's research infrastructure is its Central Research Facility (CRF)—a state-of-the-art Technology Hub designed to address societal challenges through advanced scientific research.

- High-End Instrumentation: Equipped with cutting-edge scientific equipment for breakthrough research.
- Shared Access & Collaboration: Facilities are open to external researchers, startups, and industries, promoting collaborative research and innovation.
- · Idea-to-Product Development: Supports the complete cycle of innovation, from concept development to prototype building and commercialization.
- Revenue Generation: Acts as a reliable source of Internal Revenue Generation (IRG) by providing access to research equipment and lab spaces.
- Global Recognition: Enhances NITC's international presence through impactful research and technological solutions.

## INDIAN SCIENCE, TECHNOLOGY AND ENGINEERING FACILITIES MAP (I-STEM)

I-STEM is a national initiative of the Office of the Principal Scientific Adviser (OPSA) to the Government of India. Launched by the Hon'ble Prime Minister on 3rd January 2020, I-STEM aims to promote equitable access and optimal utilization of publicly funded S&T infrastructure across India.

- Connects researchers, academic institutions, startups, and industries to advanced R&D facilities.
- Enhances collaboration, innovation, and technology development by sharing high-end research equipment.
- Strengthens India's R&D ecosystem through a dynamic digital platform.
- Facilitates transparent access to scientific resources and boosts the visibility of research outputs.

Ø Visit: <u>www.istem.gov.in</u>











## Schedule - Day 1

	DAY 1 (29-05-2	025)	
TIME	TOPIC	SPEAKER	
08:45 am - 9:30 am	Registration		
09:30 am – 10:00 am	Inauguration		
	Welcome Address	Dr. Harilal Bhaskar	
		(COO/National Coordinator, I-STEM, OPSA Gol, IISc, Bengaluru	
	Welcome Address	NIT Calicut	
10:00 am - 10:15 am	Group Photo Session		
10:15 am - 10:30 am	Tea Break		
10:30 am - 10:40 am	Lucky Draw		
	Session 1: I-ST	EM	
10:40 am - 11:00 am	I-STEM: Linking Researchers and Resources	I-STEM Team	
11:00 am -11:30 am	I-STEM User Demo & Outreach Opportunities	I-STEM Team	
	Session 2: Keyr	note	
11:30 am - 12:15 pm	Address by Industry Expert	Resource Person	
12:15 pm – 01:00 pm	Address by Industry Expert	Resource Person	
01:00 pm - 02:00 pm	Lunch		
02:00 pm - 02:10 pm	Lucky Draw		
	Session 3: Equipment Demo & La	b Visit by NIT Calicut	
02:10 pm - 03:30 pm	Presentation of Equipment DEMO	NIT Calicut	
03:30 pm - 05:00 pm	Lab visit batch 1	NIT Calicut	
	Lab visit batch 2	NIT Calicut	
		National Anthem	
	Tea	Break & Networking	

## Schedule - Day 2

DAY 2 (30-05-2025)			
TIME	TOPIC		
	Session 1: Institutional Onboarding to I-STEM Portal	M	
10.00 am - 11.30 am	Presentation and demo of I-STEM Portal for Institutional onboarding I-S		
11.30 am – 11.45 am	Tea Break		
P	Session 2: Equipment Listing and Operator Training	<i>0-</i>	
11.45 am – 1.00 pm	Institution registration & Profile completion on I-STEM Portal	I-STEM Team	
01:00 pm - 02:00 pm	Lunch		
02:00 pm - 03:00 pm	Equipment uploads and Equipment profile completion on I-STEM Portal I-STE		
03:00 pm -04:00 pm	Equipment Booking Management Training for Equipment Operators	I-STEM Team	
04:00 pm - 04:30 pm	Q&A		
04:30 pm – 05:00 pm	Closing Remarks and Feedback Collection		
	National Anthem		
05:00 pm onwards	Tea Break & Networking		











#### Enjoy SAMAVESHA!

Engage, learn, and enjoy the I-STEM Academia event!

If you have any questions or need assistance during event, approach I-STEM Team at the registration desk.

Thank you for your cooperation. We look forward to a successful and enjoyable event at Samavesha!

## National Institute of Technology



REGISTER NOW



#### **CONTACT INFORMATION**

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