

IIT Hyderabad Hosts Nano Jatha 2026, Bringing Nanotechnology Closer to Young Minds

National science outreach initiative showcases real-world applications of Nanotechnology through popular lectures, live demonstrations, innovative exhibitions and student interactions

Highlights

- Nano Jatha 2026 at IIT Hyderabad inspired students through expert lectures, live demonstrations and interactive exhibitions on Nanoscience
- Organised in association with CeNS, Bengaluru, as a prelude to Bengaluru India Nano 2026
- Students explored cutting-edge applications in Healthcare, 5G/6G communications, Clean energy, Space technologies and Advanced Materials
- Science roadshows, Nano quiz and hands-on exhibits sparked curiosity among young innovators from educational institutions across Telangana

Hyderabad, July 19, 2026: The Indian Institute of Technology Hyderabad (IITH), in association with the **Centre for Nano and Soft Matter Sciences (CeNS), Bengaluru**, hosted **Nano Jatha 2026**, a national science outreach initiative that introduced students to the fascinating world of Nanoscience and Nanotechnology through lectures, interactive demonstrations, exhibitions and hands-on learning experiences. The programme was organised as one of the flagship pre-events leading to **Bengaluru India Nano 2026**, India's premier Nanotechnology event scheduled to be held in Bengaluru from August 3–5, 2026.

The day-long event brought together students, faculty members, researchers and science enthusiasts from educational institutions across Hyderabad and neighbouring regions, creating an engaging platform to explore how Nanotechnology is transforming diverse sectors, including **Healthcare, Agriculture, Electronics, Advanced Materials, Clean Energy, Nanoelectronics, 5G/6G communications, Autonomous Navigation, Space technologies and Environmental sustainability**. The programme was inaugurated by **Prof. B S Murty, Director, IIT Hyderabad**, and **Prof. B. L. V. Prasad, Director, CeNS, Bengaluru and National Coordinator of Nano Jatha**, who highlighted the growing importance of Nanoscience in addressing some of the world's most pressing technological and societal challenges.

Speaking on the occasion, **Prof. B S Murty, Director, IIT Hyderabad**, said:

"There is plenty of scope for Nanotechnology towards building a sustainable society. Nanotechnology is shaping the future of Healthcare, Communication, Energy, Manufacturing and Sustainable development. At IIT Hyderabad, we believe that scientific knowledge must extend beyond laboratories and inspire society, especially young minds. Nano Jatha is a wonderful initiative that kindles curiosity, encourages scientific thinking and helps students appreciate how research at the Nanoscale is creating technologies for humanity. Such outreach programmes are essential in nurturing the next generation of scientists, innovators and entrepreneurs which is similar to the objective of Science Communication initiative."

Prof. B. L. V. Prasad, Director, CeNS, Bengaluru and National Coordinator of Nano Jatha, said:

Current global challenges need researchers with a multidisciplinary skill set. The current era is the “Nano Era” where Nanomaterials and Nanotechnologies enable an advanced yet sustainable future. Nano Jatha is one such event, which provides inspiration from historical milestones and demonstrations that motivate young minds to choose their career path in building our Nation through innovative thinking, leading to disruptive, cutting-edge technologies.

Throughout the day, participants experienced an exciting blend of **expert lectures, science roadshows, interactive sessions, video presentations, Nano quiz competitions, student project exhibitions, and live demonstrations** showcasing the science behind everyday technologies. Demonstrations included **Gold nanoparticles, Galvanisation reactions, Piezoelectric pavements, Electricity generation from fruit juice, Humidity sensors, Graphene-based electrical circuits, Fog-on-demand technology, and Sustainable Sodium-ion batteries**, allowing students to witness how Nanoscale phenomena translate into practical real-world innovations.

Students also interacted with researchers and faculty members, gaining insights into emerging opportunities in Nanoscience, Advanced Materials, Semiconductor technologies and interdisciplinary research. The event further encouraged participants to showcase innovative projects developed at their institutions, fostering scientific dialogue and collaborative learning. To enable wider public outreach, the programme was also live-streamed through the IIT Hyderabad YouTube channel.

The event reflects IIT Hyderabad's continued commitment to promoting scientific outreach, innovation and experiential learning. By bringing cutting-edge research closer to students and the public, Nano Jatha 2026 reinforced the importance of Nanotechnology as a key enabler of future technologies and sustainable development while inspiring young learners to pursue careers in science, engineering and research.

About Nano Jatha :

Nano Jatha is a nationwide science outreach initiative organised by the **Karnataka Science and Technology Promotion Society (KSTePS)** in association with the **Centre for Nano and Soft Matter Sciences (CeNS), Bengaluru**, and leading academic institutions across India. Conducted in multiple states, the programme aims to popularise Nanoscience and Nanotechnology through expert lectures, roadshows, interactive exhibitions and live demonstrations, while creating awareness about the latest advances and applications of Nanotechnology among students and the general public. Nano Jatha 2026 serves as a prelude to **Bengaluru India Nano 2026**, India's flagship event on Nanoscience and Nanotechnology.

About IITH :

IITH, established in 2008, has reached a respectable position in academics, research, technology development, and Start-ups in a short span of 17+ years. In the National Institutional Ranking Framework (NIRF-2025), IITH is ranked 7th among Engineering institutes (crossing a first-generation IIT this year), and is ranked 6th in Innovation, while it has maintained its rank within the top 10 Engineering Institutes ever since NIRF was launched. IITH is ranked 588th in the QS World University Rankings 2027 and 270th in the QS Asian University Rankings 2026 (123rd globally in

citations per faculty). IITH has recorded a major leap in the QS World University Rankings by Subject 2026, entering the global Top 400 in Engineering & Technology with a rank of 395, marking a sharp improvement from the 501–550 band in 2025. IITH secured 46 positions by 31 faculties in the Stanford /Elsevier Global Top 2% Scientists list 2025 across two categories. IITH has been striving for excellence with a motto of "Inventing & Innovating in Technology for Humanity (IITH)".

With 345+ full-time Faculty, 350+ non-teaching Staff and 5,660+ Students (PG+PhD students accounting for about 60%), IITH has a strong research focus with 5730+ R&D Projects worth of Rs. 1824+ Cr (Rs. 245+ Cr funding in 2025-26), 13,740+ Publications, 2,76,400+ Citations, 163 h-index, 778 Patents (250 Patents in 2025, i.e., 0.75 patents per faculty in 2025, making it possibly the best Indian institute in terms of Patents filed per faculty in a year), and about 299 Start-ups (that have generated 1100+ jobs with a revenue of Rs. 1500+ Cr).

The thrust areas of research at IITH are: Next-Generation Telecommunications, Autonomous Navigation, Robotics & Intelligent systems, Semiconductors & Devices, Additive Manufacturing, Advanced Materials & Critical Minerals, Materials characterisation, Catalysis, Healthcare, Energy, Sustainability, Climate Change, Smart Mobility, EV technology, Quantum technologies, Computational Engineering, Design, AR/VR, Waste management, and Rural development.

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