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Indian Institute of Technology Hyderabad

**IIT Hyderabad and Nikon India Launch the India's First Nikon "Centre of Excellence" at Indian Institute of Technology Hyderabad**

**Highlights:**

- *IIT Hyderabad and Nikon India today launched its India's first "Centre of Excellence" (CoE) at the Indian Institute of Technology Hyderabad (IITH).*
- *Collaboration aims to empower researchers with cutting-edge microscopy technologies*
- *Nikon's latest imaging technologies provide students and researchers with unparalleled research tools.*

**25th November-Hyderabad:** Indian Institute of Technology Hyderabad (IITH) and Nikon India, a wholly owned subsidiary of Nikon Corporation, today launched their India's first "Centre of Excellence" (CoE) at the IITH. This pioneering CoE aims to provide advanced imaging technologies to trainees, visiting scholars, and collaborators across the country, fostering impactful partnerships between IITH researchers and Nikon teams. As a hub for innovation, the centre will empower researchers to explore biological systems at various scales—from single cells to human tissues—facilitating breakthroughs in high-resolution imaging.

The coordinator of the centre Dr. Shourya Dutta Gupta explained that the centre is equipped with state-of-the-art imaging technologies, the CoE features an AXR point scanning confocal system with NSPARC super-resolution and TIRF imaging capabilities. It also houses a Nikon inverted microscope Ti2-E for fluorescence imaging, a Nikon TS2FL inverted tissue culture microscope, and a Nikon SMZ 800 with a fluorescence attachment for macro imaging. Leveraging its extensive resources, technical expertise, and experienced staff, the Centre will address critical challenges in cell biology and other research areas, promoting innovative studies across a range of scientific disciplines.

Ms. Aki Wakamiya, Mr. Kazutaka Watamahe, Deb Sekhar, and Mr. Mahavir Tanwar from Nikon India attended the inauguration session, where they expressed their enthusiasm for the partnership with IITH.

**Mr. Sajjan Kumar, Managing Director of Nikon India, shared his message and said,** *"We are thrilled to introduce state-of-the-art microscopy systems to the broader scientific community in Hyderabad. This CoE, equipped with our latest imaging technologies, will not only advance scientific research but also empower researchers and students to push the boundaries across various scientific disciplines. Our goal is to foster an innovative learning environment that encourages further developments and benefits the community at large.*

*Nikon's commitment to advancing science is exemplified by this groundbreaking Centre of Excellence. By partnering with IITH, we are confident that we can make a substantial impact on India's research landscape, equipping scientists with advanced high-resolution imaging tools that will drive innovation and discovery."*

**Prof. B. S. Murty, Director of IIT Hyderabad, added,** *"It gives us great pleasure to collaborate with Nikon India in establishing this CoE. This initiative aligns perfectly with our goal of fostering innovative research and diverse learning opportunities. In various academic and research domains, the Centre will act as a catalyst, inspiring our researchers and students to push the boundaries of what is possible.*

*The Nikon CoE at IITH represents a significant step in bridging industry and academia, providing a vital platform for collaboration, knowledge sharing, and skill development. With advanced imaging resources, the Centre will drive discoveries across diverse research fields and build a strong community of future scientists. By offering practical experience aligned with global advancements in microscopy, this partnership underscores the commitment of both IITH and Nikon to advancing research and education, benefiting the academic community and the wider region."*

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**About IIT Hyderabad:**

IITH, established in 2008, has reached a respectable position in both academics, research, technology development and startups in the short span of 16 years. In the recent Indian National Ranking (NIRF-2024), IITH is placed at 3$^{rd}$ in Innovation and 8$^{th}$ among Engineering institutes in India.

It has 325+ full-time faculty, 5,300+ students (PG + PhD students accounting for about 60%). The institute has a strong research focus with Rs. 1300+ Cr of R&D funding, 11,500+ publications, 320+ Patents, and about 260+ startups (that have generated 1100+ jobs and a revenue of Rs. 1500+ Cr). Follow us on Instagram, LinkedIn, Twitter, Facebook, Koo, and YouTube for the latest updates.

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