



IIT HYDERABAD

Inventing & Innovating in Technology for Humanity (IITH)

Tech for Humanity

Featuring IITH's High-End Research Facilities powering world-class Inventions

IIT^{Hyderabad} 2026



భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad



A Year of Vision & Impact...



IITH, in collaboration with Simpliforge Creations, has delivered two national firsts, India's first on-site 3D-printed protective structure in Leh with Lt Col Arun Krishnan & India's first 3D-printed pedestrian bridge, conceptualized and evaluated by Prof K V L Subramaniam & his research group.

“

From a bunker in Leh to landmark bridges, IITH is redefining what India can build...

”

Greetings from the Director

Dear Friends,

As we step into the New Year, we celebrate a renewed opportunity to strengthen our academic community, foster innovation, and advance our collective pursuit of excellence. The year ahead holds immense promise, and this calendar is a reflection of the vibrant journey that awaits us—filled with learning, collaboration, and meaningful achievements.

IITH continues its remarkable trajectory as one of India's premier institutions. Our steady rise in the National Institutional Ranking Framework (NIRF) over the past five years is a testament to the dedication, hard work, and passion of our faculty, students, and staff. Since our establishment in 2008, we have consistently ranked among the top engineering institutes in the country, reaffirming our commitment to academic rigour and transformative education.

Our progress is deeply rooted in the strength of our research ecosystem. With world-class facilities, interdisciplinary initiatives, and a strong focus on innovation, IITH has become a hub for cutting-edge research and impactful solutions. Our collaborations with industry, vibrant startup culture, and globally recognized research contributions further amplify our role as a leading center of knowledge and technological advancement.

As we welcome 2026, let us continue to push boundaries, embrace new challenges, and work together to elevate IITH to even greater heights. May this year inspire us to dream bigger, innovate fearlessly, and contribute meaningfully to society.

Wishing each one of you a joyful, successful, and fulfilling year ahead!

Prof B S Murty
Director, IIT Hyderabad

2026

January | 2026

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February | 2026

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March | 2026

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April | 2026

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August | 2026

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November | 2026

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A Year of Vision & Impact...



TiHAN at IITH has developed an autonomous campus shuttle, a driverless electric vehicle designed to operate within campus roads. Equipped with LiDAR, cameras, GPS, and AI-based navigation, it can detect obstacles, follow predefined routes, and ensure passenger safety with features like automatic braking.

“

*IITH's TiHAN is steering India into the driverless era,
with its autonomous campus shuttle, driving around campus...*

”

List of Holidays

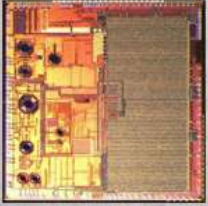
Pongal	14	January	Wednesday
Republic Day	26	January	Monday
Holi	04	March	Wednesday
Idu'l Fitr*	21	March	Saturday
Mahavir Jayanti	31	March	Tuesday
Good Friday	03	April	Friday
Buddha Purnima	01	May	Friday
Idu'l Zuha (Bakrid)*	27	May	Wednesday
Muharram*	26	June	Friday
Independence Day	15	August	Saturday
Milad-un-Nabi*	26	August	Wednesday
Vinayak Chaturthi	14	September	Monday
Gandhi Jayanti	02	October	Friday
Dussehra	20	October	Tuesday
Diwali	08	November	Sunday
Guru Nanak Jayanti	24	November	Tuesday
Christmas Day	25	December	Friday

With its compact, low-power SoC, IITH is strengthening India's future-ready communication technologies for global deployment...

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Departments

- Artificial Intelligence
- Biomedical Engineering
- Biotechnology
- Chemical Engineering
- Chemistry
- Civil Engineering
- Climate Change (Virtual)
- Computer Science and Engineering
- Design
- Electrical Engineering
- Engineering Science (Virtual)
- Entrepreneurship and Management
- Heritage Science and Technology (Virtual)
- Liberal Arts
- Materials Science and Metallurgical Engineering
- Mechanical & Aerospace Engineering
- Mathematics
- Physics



Prof Kiran Kuchi of IIT Hyderabad, in collaboration with WiSig Networks, has developed an advanced System-on-Chip that enables reliable, low-power connectivity for the Internet of Things and next-generation satellite communication. The chip supports precise positioning through GNSS and India's NavIC system and can intelligently process sensor data in real time. Designed to be compact and energy-efficient, it helps extend battery life in connected devices, highlighting IITH's contribution to building indigenous, future-ready communication technologies for global use.



6G research led by Prof Kiran Kuchi in collaboration with WiSig Networks is working on 6G innovations built on WiSig's open and programmable future network architecture, focusing on energy-efficient, AI-ready radio access networks with intelligent massive MIMO, advanced waveforms for next-generation frequency bands, integrated sensing and communication for applications such as UAV detection, post-quantum security solutions, and the development of broadband modem System-on-Chip technologies for future wireless networks.

“With breakthroughs in 6G prototypes, IITH is shaping the future of India's telecom ecosystem...”

January | 2026

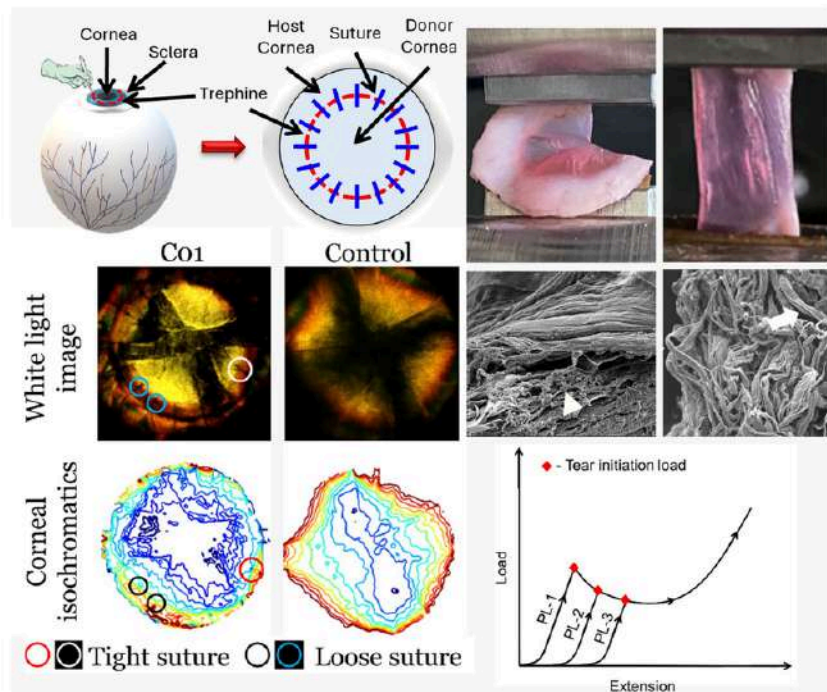
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February | 2026 >

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Dr Viswanath Chinthapenta, Prof Ramji M, Dr Sayan Basu (LVPEI) are working in partnership with LV Prasad Eye Institute to study the sutureability of the natural cornea. These findings provide fundamental insights into key design criteria for a synthetic cornea.

“

*IITH is at the forefront of medical innovation,
from advanced diagnostics to next-generation therapeutic solutions...*

”

February | 2026

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January | 2026

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March | 2026

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PURE

PuREPower 20.0

Cutting Edge Technology


www.pureenergy.co.in

PURE Energy Ltd by Dr Nishanth Dongari & Rohit Vadera, is India's 1st All-In-One Energy Storage Products for Home & Commercial Segments.

“

Pure EV introduces PuREPower,
India's first intelligent energy storage solution designed for the future...

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March | 2026

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04 Id-ul-Fitr | 21 Mahavir Jayanti



February | 2026

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April | 2026



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DIGIPIN



IITH, Department of Posts, and NRSC (ISRO) Collaborated to Launch DIGIPIN: A National-Scale Geospatial Addressing System for India, developed by Dr Shashank Vatedka, Prof Soumya Jana & Dr Lakshmi Prasad Natarajan, Tarandeep Singh, a former MTech (AI) student.

“

*DIGIPIN, developed by IITH and partners,
is redefining national-scale geospatial addressing in India...*

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April | 2026

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03 Budha Purnima



March | 2026

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May | 2026



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TiHAN at IITH has developed Palyanka, a heavy-payload autonomous air ambulance drone capable of carrying up to 200 kg for rapid medical evacuation, disaster rescue and cargo transport. Designed to operate without human intervention, it offers lifesaving mobility in traffic-clogged cities and difficult terrains.

“ With Palyanka, an autonomous air ambulance drone, IITH is pioneering life-saving mobility innovation for India... ”

May | 2026

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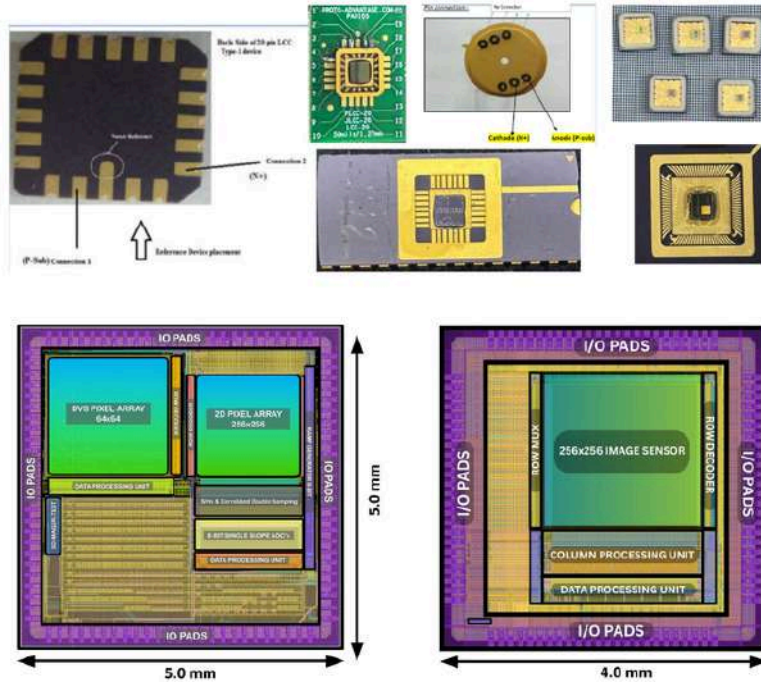
01 Id-ul-Zuha | 27 Muharram

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April | 2026

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The CMOS Image Sensor Lab at IIT Hyderabad, led by Dr Kapil Jainwal, develops system-on-chip CMOS cameras for high-dynamic-range 2D vision, LiDAR-based 3D imaging, and event-based cameras for machine vision, targeting applications in surveillance, intrusion detection, autonomous navigation and landing of unmanned vehicles, visions for robotics and drones, and medical imaging.

“IITH is pioneering CMOS camera technologies for applications ranging from drones and robotics to medical imaging”

June | 2026

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26 Milad-un-Nabi



May | 2026

July | 2026



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India's defence and aerospace sectors have received a major boost with the development of a Large Area Additive Manufacturing (LAAM) system at the DRDO-Industry-Academia CoE, IITH. Built jointly by IITH, DRDL and industry partners, the system enables large-scale metal 3D printing for complex aerospace and defence components, strengthening India's advanced manufacturing capabilities.

“IITH's LAAM system is advancing India's defence and aerospace capabilities through large-scale metal additive manufacturing...”

July | 2026

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June | 2026

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August | 2026



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Atom Probe Tomography (APT) of SATHI CISCoM is the first-of-its-kind facility in India. The LEAP 6000 XR incorporates key features from previous generations of the APT, combining a deep UV laser pulse with a proven local electrode design to achieve high yield and data quality.

“First-of-its-kind APT facility at IITH brings advanced UV-laser-enabled atomic tomography to India’s research landscape...”

August | 2026

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15 Independence Day | 26 Milad-un-Nabi



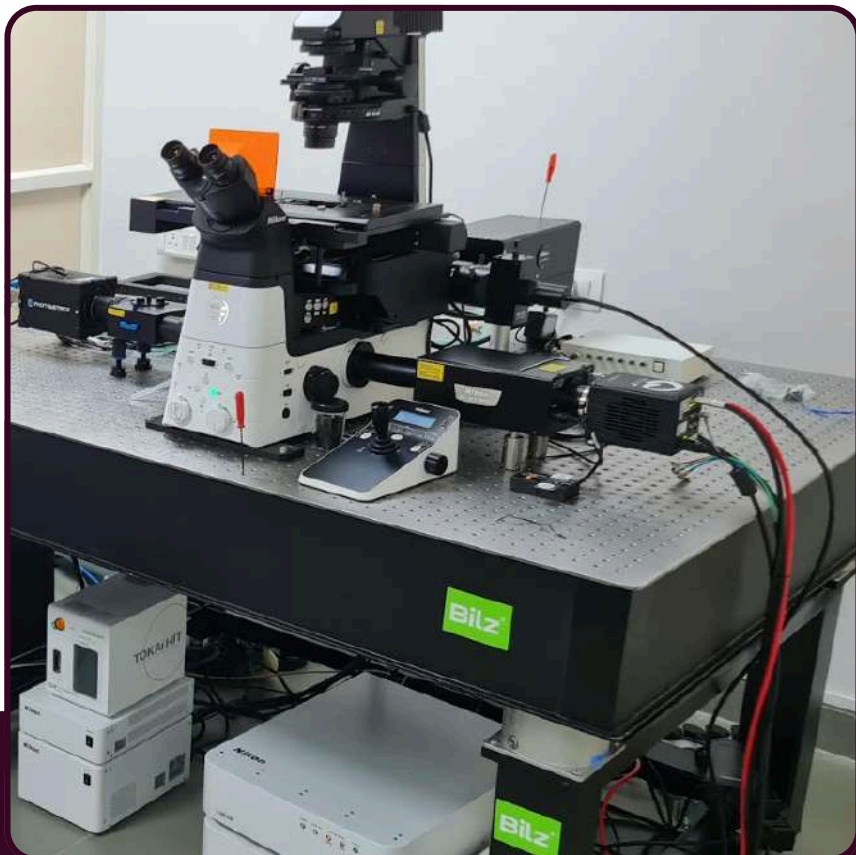
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September | 2026

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Nikon N-STORM Super-Resolution Imaging System with TIRF module and dual colour simultaneous imaging. First-of-its-kind Single-Molecule Imaging facility in India for life-science research at the Nikon Centre of Excellence (CoE) at the Indian Institute of Technology Hyderabad.

“

Nikon CoE houses the nation's first super-resolution single-molecule imaging system, advancing biological discovery

”

September | 2026

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14 Ganesh Chaturthi



August | 2026

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October | 2026

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Dr Avinash Eranki and his team at Eranki Labs, incubated at IIT Hyderabad, have designed and developed India's first Image-guided High-Intensity Focused Ultrasound (HIFU/FUS) device. This technology uses focused sound waves to treat solid tumors like breast cancer - without radiation and without surgery.

“

*The future of cancer care is being engineered at IIT Hyderabad,
where ideas turn into life-saving innovation...*

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October | 2026

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02 Gandhi Jayanti | 20 Dussehra



September | 2026

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November | 2026



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Brillouin light scattering (BLS) microscopy at IITH is the first-of-its-kind microscopy facility in India to investigate high-frequency (up to 500 GHz) magnons enabling detailed studies of magnetic material dynamics, positioning IITH as a pioneer in this advanced photonics/magnetics research area.

“

IITH's BLS microscopy capability marks a national milestone, unlocking atomic-scale insights into magnetic dynamics and magnon behaviour...

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November | 2026

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08 Diwali | 24 Guru Nanak Jayanti



October | 2026

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December | 2026



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The Raindrop Research Facility (RRF) simulates atmospheric conditions from clouds to the ground to improve rainfall prediction. Using machine learning-based digital in-line holography, it studies raindrop shapes and sizes at different altitudes, providing data for accurate forecasting and region-specific rainfall models.

“By improving rainfall forecasting, IITH is empowering the farming community to make informed agricultural decisions...”

December | 2026

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25 Christmas Day						

◀	November 2026							January 2027							▶
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Struti Hub, a 3D printing and Additive Manufacturing Research Group at IITH, covers various aspects of Additive Manufacturing, including Processes for AM, Design Optimization, Process Modelling, Characterization, and Post-Processing. SRUSTI in Sanskrit stands for creation, reflecting the Additive nature of the technology.

“*Struti Hub is driving comprehensive breakthroughs in Additive Manufacturing, true to its name that signifies creation...*”

Academic Calendar 2025-26 (Jan-June 2026)

Academic Event		Date
Registration		
Fresh PhD	Financial Registration (Fee Payment)	16 Dec, 2025
	Course Registration (Link will be shared through email)	24 Dec, 2025
Fresh PG (MTech/MDes)	Financial Registration (Fee Payment)	16 Dec, 2025
	Course Registration (Link will be shared through email)	24 Dec, 2025
Renewal Students	UG, PG & PhD students Financial and Course Registration	24 Dec, 2025
Late Registration with Fine (Financial Registration)	Penalty of Rs. 1000/- per day after the date of financial registration till one week and Rs. 10,000/- beyond one week with necessary approvals	



VIGRAHA (Virtual, Intelligent, Ground-breaking Research in AR/VR & High-Tech Applications), a Centre of Excellence at IITH, in collaboration with the Indian Army's Simulator Development Division (ARTRAC), is advancing research and innovation in AR/VR, AI, robotics, drones, and related defense technologies.

“

VIGRAHA at IITH is advancing cutting-edge AR/VR and high-technology defence research...

”

Academic Calendar 2025-26 (Jan-June 2026)

Academic Event	Dates
Commencement of Classes	05 Jan 2026 (Mon)
1-2 Segment	05 Jan – 09 Feb
• Grade Submission Deadline for 1-2 Segment Courses	16 Feb
• Declaration of 1-2 Segment Grades	17 Feb
3-4 Segment	10 Feb – 20 Mar
• Grade Submission Deadline for 1-4 and 3-4 Segment Courses	27 Mar
• Declaration of 1-4 and 3-4 Segment Grades	28 Mar
Academic Pre-Registration for Next Semester	21 Mar – 20 Apr
5-6 Segment	23 Mar – 27 Apr
• Grade Submission Deadline for 1-6, 3-6 & 5-6 Segment Courses	04 May
• Declaration Grades	05 May
Vacation Starts for UG Programs	06 May
Course Feedback through the AIMS portal	Open for 10 days and will close one week before the segment end date
Evaluation of MTech/MDes/MSc/MA Project/Thesis Work and Submission of Project/Thesis Grades	15 May - 01 June
New PhD Registration for Next Semester (July - Nov 2026)	22 July
Vacation Starts for UG Programs	19 July
Old UG/PG/PhD Registration for Next Semester (July- Nov 2026)	20 July - 22 July
New PG Registration for Next Semester (Jul - Nov 2026)	22 July
Classes Commence (Jul - Nov 2026)	27 July

IIT HYDERABAD

Inventing & Innovating in Technology for Humanity (IITH)

Tech for Humanity

Featuring IITH's High-End Research Facilities powering world-class Inventions

IIT^{Hyderabad} 2026



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Indian Institute of Technology Hyderabad
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तेलंगाना, भारत | Telangana, India
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A Year of Vision & Impact...