

DATA PULSE

JANUARY - MARCH 2025 EDITION

**INDIA
DATA
ORG**

Launched in January 2025, India Data Org is an integrated ecosystem designed to enhance dataset sharing and model publication in artificial intelligence and machine learning (AI/ML).

**F C
KOHLI
DAY**

**Elevating
Technology for
Tomorrow**

Exhibition of some of IHub-Data's projects: AnaVu, Oral Cancer Detection App, BioVR, Autonomous Wheelchair and Bio-Impedance belt.

LEADERSHIP INSIGHTS



Prof. Deva Priyakumar

MESSAGE FROM DIRECTOR

At IHub-Data, we continue to drive cutting-edge innovation, particularly in the healthcare and mobility sectors. In the first quarter of 2025, we made significant strides, showcasing impactful advancements at BioAsia 2025. We also showcased our healthcare projects to Dr. D. Nageshwar Reddy during IIIT Hyderabad's Kohli Center on Intelligent Systems (KCIS) Day. We hosted a successful symposium on Improving Driving Behavior in India where diverse key stakeholders and experts came together to share their work and collaborate on real-world solutions for improving driving behaviour in India.

MESSAGE FROM CEO

IHub-Data has reached several key milestones, most notably the launch of India-data.org — a comprehensive digital data library powered by advanced technology, a strong infrastructure, and a talented team. Our team is dedicated to the end-to-end process of data collection, creation, curation, annotation, security, and deployment. At the heart of our mission is the goal to improve citizen lives by enabling innovation through secure, privacy-conscious datasets, all while upholding data protection regulations and promoting responsible data practices. We are enthusiastic about the road ahead and confident that 2025 will bring remarkable achievements and transformative breakthroughs.



Dr. Jay Mookherje

INDIA DATA ORG

India-data.org (<https://india-data.org/>), launched in January 2025, is an integrated ecosystem designed to enhance dataset sharing and model publication in artificial intelligence and machine learning (AI/ML). This platform combines a growing repository of datasets (currently 54), analytical tools, and services like an AI/ML challenge platform, all built on open-source technologies. With 1.6 petabytes (PB) of storage and a 96 GPU cluster, it supports extensive research and development initiatives.



Key Features and Novelty

- **Integrated Ecosystem:** The platform serves as a hub for dataset management and AI/ML model development, facilitating collaboration among researchers and developers.
- **Storage and Computational Power:** With 1.6 PB of storage and a 96 GPU cluster, the platform efficiently handles large datasets and complex computational tasks.
- **Open-Source Technologies:** Utilizing open-source tools ensures adaptability and accessibility for a wide range of users.

Translational Impact

The Data Foundation Platform enhances access to India-specific research datasets, fostering collaboration among stakeholders such as researchers, policymakers, and industry leaders. This collaborative environment drives advancements in AI/ML through structured challenges.

- **Seamless Dataset Access:** Users can access diverse datasets specific to India's socio-economic landscape, facilitating informed decision-making.
- **Collaboration Opportunities:** The platform encourages partnerships across sectors, enabling diverse perspectives to contribute to AI/ML advancements.
- **Structured Challenges:** Organizing challenges related to dataset utilization motivates participants to engage in solving real-world problems using AI/ML technologies.



COLLABORATIONS



GEOVISTA

IHub-Data, IIIT Hyderabad hosted GeoVista in January, marking the occasion with signing of MoUs to co-develop solutions in AI/ML, Computer Vision, and Geo-AI. The collaboration aims to build scalable analytics IP and software for key sectors such as Infrastructure, Highways, Agriculture, and Urban Planning—driving Digital Public Infrastructure at a national scale.



EVENTS

THE ADAS SHOW 2025

ADAS Show 2025 – 2nd Edition was held in February at EBISU Convention Center, Bengaluru. Organized by Aayyera with support from the Government of Karnataka, and with iHub-Data, IIIT Hyderabad as associate partner, the event showcased the latest in ADAS and autonomous driving technologies. It highlighted India's growing focus on road safety, smart mobility, and innovation in the automotive sector.



BIOASIA 2025

The IHub-Data stall at BioAsia 2025, organised in February, showcased ongoing healthcare innovation projects as well as the healthcare startups currently being supported.



EVENTS

R&D SHOWCASE 2025

At R&D Showcase 2025, held in March, IHub-Data participated in IIIT-Hyderabad's flagship event where all the research projects funded by IHub-Data were on display alongside in-house projects: india-data.org, Oral Cancer App and AnaVu.



F C KOHLI DAY

IHub-Data participated in the FC Kohli Day celebrations on 19th March with a keynote address by Padma Bhushan Dr. D. Nageshwar Reddy, Chairman & Founder of Asian Institute of Gastroenterology (AIG). This was followed by an exhibition of some of IHub-Data's projects: AnaVu, Oral Cancer Detection App, BioVR, Autonomous Wheelchair and Bio-Impedance belt.



EVENTS

AI IN HEALTHCARE AND CARE DELIVERY

Prof. C.K. Raju, Head of Educational Programs at iHub-Data, delivered an insightful talk on the future of AI in healthcare at the AI in Healthcare and Care Delivery event held in March. The event was hosted by DLabs at the Indian School of Business in collaboration with CitiusTech and I-Venture @ ISB. His presentation highlighted the important role of spatio-temporal aspects in human evolution and the complexities of the healthcare sector. He stressed the need for more collaboration between different fields and pointed out how these challenges make healthcare different from other sectors.



13TH WORKSHOP ON EXCITEMENT OF RESEARCH

The workshop, organised in March, provided students with an opportunity to engage with the vibrant research ecosystem at IIITH through keynote addresses by eminent faculty, interactive research presentations, and insightful discussions on the relevance of research in industry.



SYMPOSIUM ON IMPROVING DRIVING BEHAVIOR IN INDIA

The "Improving Driving Behaviour in India" symposium, held on 22nd February 2025 at IIIT Hyderabad, brought together a diverse group of law enforcement officials, industry experts, researchers, and representatives from NGOs to explore innovative solutions for enhancing road safety across the country. The event highlighted the crucial role of technology and early education in promoting safe driving, with a strong focus on reducing accidents and improving driving behaviour. Through discussions on the latest monitoring systems and effective driver training methods, the symposium aimed to shape a future where safer roads and better driving habits are the norm across India.



The symposium brought together a diverse and distinguished panel of speakers, including experts from academia (NIT Calicut), industry (Uber India, Social-Impact, GMR Group, International Road Safety Consultant), law enforcement (IPS, Joint Commissioner of Police, Cyberabad), as well as an author and coach. It also featured representatives from leading NGOs like PHFI and RoadMarc. The event saw active participation from over 30 attendees.



SESSION 1

“PUBLIC HEALTH/EMERGENCY CARE/NGO” CHAired BY DR. AFTAB HUSSAIN FROM IIIT HYDERABAD

Dr. Shailaja Tetali from PHFI (iRASTE Telangana) discussed the critical role of active bleeding control (ABC) in preventing fatalities during road accidents. She explained how immediate action to stop blood loss can dramatically improve survival rates in such emergencies.

Dr. Raju Wagh from RoadMarc Foundation (iRASTE Nagpur) shared insights from the iRASTE project, which has been implemented in Nagpur to reduce accidents through advanced driver assistance systems (ADAS). This initiative has already resulted in a 40% reduction in accidents in both Telangana and Nagpur.

Naresh Raghavan, a road safety author and coach, stressed the need to make driving education mandatory for license applicants before they are allowed to obtain a driving license. In his talk, he emphasised that proper training is essential for enhancing road safety and improving driver behaviour nationwide.

Dr. Yogeshwar Vijayakumar from NIT Calicut (Road Safety Educator) spoke about the importance of structured road safety programs that encourage safer driving habits. He highlighted how awareness campaigns and practical education can play a crucial role in reducing traffic-related fatalities.



Dr Rajesh Wagh



Dr Shailaja Tetali



Mr Naresh Raghavan



Dr Yogeshwar Vijayakumar

SESSION 2 “GOVERNMENT/LAW ENFORCEMENT/KEYNOTE SPEECH”, CHAired BY DR. SHAILAJA TETALI, PHFI

Prof. C.V. Jawahar, Dean of R&D at IIIT Hyderabad, welcomed Mr. Joel Davis, IPS, Joint Commissioner of Police, Cyberabad, to the stage to share his insights. Mr. Joel Davis, IPS, Joint Commissioner of Police, Cyberabad, shared how the Cyberabad Police is integrating advanced technology into their traffic monitoring efforts. From high-rise cameras in IT corridors to exploring drone cameras and intelligent traffic systems, Mr. Davis highlighted how these technologies play a vital role in managing traffic and maintaining discipline on the roads.



Mr Joel Davis

SESSION 3 “INDUSTRY/STARTUP INITIATIVES” CHAired BY DR. GANESH YALLA FROM IHUB-DATA, IIIT HYDERABAD



Mr Deepak Basrani

Mr. Deepak Basrani, Safety Operations Manager at Uber India, discussed how Uber’s Trust and Safety team uses real-time feedback to assess and improve driver behaviour. He explained how Uber encourages safer driving practices by actively monitoring and providing feedback to drivers.



Mr Sameer Gautam

Mr. Sameer Gautam, CEO of Social-Impact at Traffic Rewards, shared an innovative approach to promoting better driving. He explained how Traffic Rewards uses radio frequency identification (RFID) sensors on commercial buses to track driver compliance with traffic rules, such as stopping at red lights. Good drivers are then rewarded, reinforcing positive driving habits.



Mr Krishnan Srinivasan

Mr. Krishnan Srinivasan, an International Road Safety Consultant, provided valuable insights on road safety initiatives worldwide. He shared successful case studies and discussed best practices that could be implemented in India to improve overall road safety.



Ms Bharathi Kode

Ms. Bharathi Kode from GMR Group talked about GMRVLF, the CSR initiative of GMR Group, which focuses on educating government school students about road safety. She emphasized that early education about road discipline can play a key role in preventing accidents in the long term.

SESSION 4

"PANEL DISCUSSION" CHAIRED BY MR. GOVIND KRISHNAN FROM INAI, IIIT HYDERABAD

The panel discussion on "The Need of the Hour to Bring About a Change in Driving Behavior through Education" featured Dr. Mukti Advani (CRRI), Dr. Kavitha Vemuri (IIIT Hyderabad), Dr. Maryam Kaveshgar (Ahmedabad University), Mr. Praveen Garimella (ISB Hyderabad), and Mr. Lokendra Singh (hydtrafficman).





OUR VISION

- To be a global leader in research outcomes that positively impact society through technologies translated into local industries and governmental agencies.
- To play a central role in the advancement and adoption of data-driven technologies through proactive strategies in data bank curation and service creation.
- To become the pre-eminent reference for datasets for AI researchers worldwide and develop solutions using these datasets to address population-scale challenges.

OUR MISSION

- To help coordinate and enhance national research and solution development efforts in Data (Banks, Services and Analytics) areas and take them to the highest global academic standards.
- Translation of technologies into viable products and promoting startups based on those technologies with applications towards the betterment of the society.
- To catalyse, nurture, and enable the growth of an ecosystem with researchers, technologists, practitioners and entrepreneurs in the area of data-driven solutions to the local problems.

Editorial team for Data Pulse:

Pranitha Hemanth -
Communications
Manager

communications@
ihub-data.iiit.ac.in

Padma Raju Vegesna -
Digital Marketing
Officer

outreach.ihub@
ihub-data.iiit.ac.in



Scan this QR code or
visit our website to know more
about us:
<https://ihub-data.iiit.ac.in/>

ADDRESS

IIIT Hyderabad, Professor CR Rao Rd,
Gachibowli, Hyderabad, Telangana 500032
+91 6301177059
queries@ihub-data.iiit.ac.in