DATA PULSE

HIGHLIGHTS

- **DST Secretary Prof Abhay Karandikar visits IHub-Data**

- **MoU with ICMR-National Institute of Nutrition**

- **IHub-Data hosts its first Townhall**

HUBDATA
IIIT HYDERABAD

INTERNATIONAL INSTITUTE OF
INFORMATION TECHNOLOGY
HYDERABAD

National Mission on Interdisciplinary Cyber-Physical Systems
NM-ICPS

विज्ञान एवं
प्रौद्योगिकी मंत्रालय
MINISTRY OF
SCIENCE AND
TECHNOLOGY
सत्यमेव जयते

MESSAGE FROM DIRECTOR
PROF DEVA PRIYAKUMAR

We are delighted to have completed a great first quarter in the new year 2024! As always, the team has shown great commitment and achieved new heights. We also set up two new blocks - Pragathi and IDEA Labs this quarter to facilitate innovation and translation in data research.

This eventful quarter also included successful visits including Department of Science and Technology Secretary Dr Abhay Karandikar, Director Ekta Kapoor and NMICPS Director JBV Reddy's visit.

We are always excited to welcome visitors to share our developments in technology and applied research and also to take feedback so we can continue to chart our way forward with valuable inputs.

MESSAGE FROM CEO
DR. JAY MOOKHERJE

The first quarter of 2024 was my first quarter at IHub-Data Foundation and I'm thankful to the leadership at IIIT Hyderabad and my team at IHub-Data for making this transition extremely smooth for me.

We had some significant events during this quarter like participation in technology conclaves and signing MoUs with institutions of national importance like the National Institute of Nutrition. We hosted eminent personalities from the world of technology for talks and discussions, like Prof Peter Coveney and Prof P Anandan. Many new colleagues joined us in our journey in the areas of technology, communication and business development.

Exciting plans are lined up for the next quarter that will make IHub-Data's journey and collaboration more impactful.

MESSAGE FROM CTO

DR VEERA GANESH YALLA

There was much to celebrate for IHub Data this quarter like setting up of two new spaces - Pragathi and IDEA Labs. But most significantly, launching our translational wing VIKAS was a milestone since it enables us to take our research from the lab to land.

IHub-Data is dedicated to facilitating cutting-edge research and technology development and in the coming days we will work towards more collaborations on that front.

MESSAGE FROM COO

ASHUTOSH MISHRA

IHub-Data is growing as an organization with a major focus on human resources. While technology and innovation will always lead the way for us, we will continue to give equal importance to the role of our employees and acknowledge their efforts that help us achieve our mission, vision and goal.

We are glad to have hosted our first Townhall this March to engage closely with our employees. We will continue to work towards policies that will benefit our employees.

IDEA LAB INAUGURATED BY
DST SECRETARY DR ABHAY KARANDIKAR

IHub-Data- IIIT-H team was delighted to welcome DST Secretary Prof Abhay Karandikar, Director Dr Ekta Kapoor, Director NMICPS Dr JBV Reddy on March 21. They inaugurated the new IDEA Lab. The new lab that stands for Innovation, Development, Exploration and Advancement, promotes application of Hub sponsored research in the fields of healthcare, mobility and data.

GLIMPSES FROM DST LEADERSHIP VISIT

Apart from interacting with IIIT Hyderabad Director PJ Narayanan, Prof CV Jawahar, Prof Ramesh Loganathan and IHub-Data CEO Dr Jay Mookherje, CTO Dr Veera Ganesh Yalla, DST Secretary Karandikar and his team explored the innovations by our startups.

IHUB-DATA'S FIRST TOWNHALL

In March, we hosted our first Townhall for IHub-Data employees to interact with the leadership, ask questions and give suggestions so we can continue to grow together. The valuable effort of employees was acknowledged in a 'Rewards and Recognition' session during the Townhall.

R&D SHOWCASE

At IIIT Hyderabad's R&D Showcase on March 16th - 17th, the startups and innovations funded by IHub-Data displayed the models and posters of their technology that were appreciated by prominent members from industry, corporates and institutions who attended.

BIO ASIA 2024

IHub-Data participated in BioAsia 2024, Asia's premier life sciences and health-tech conference hosted in Hyderabad. Collaborating with our esteemed partners IIIT H and CIE, we showcased our startups and healthcare research.

MOU WITH NIN(ICMR)

We partnered with ICMR-National Institute of Nutrition to explore the impact of oral glucose load on health using wearable bioimpedance analyzers. This collaboration marks a leap forward in merging healthcare with AI.

31ST CONVERGENCE INDIA EXPO

IHub-Data, IIITH is making waves at the 31st Convergence India Expo, offering a glimpse into our cutting-edge smart mobility and smart city solutions. We extend our heartfelt thanks to DST for providing us with this meaningful opportunity.

VISITS AND TALKS

Dr. Peter Coveny, Professor at University College London visited our campus in February. During his visit he gave a talk on "Digital Twins-The virtual future of Medicine." He delved into the complexities of integrating data and models at every level of the virtual human.

Prof. P. Anandan's talk on "Translating AI Innovations into Solutions for Global Health", in January, explored the intersection of AI and global health solutions. Prof. Anandan is an AI scientist with a focus on AI for social good.
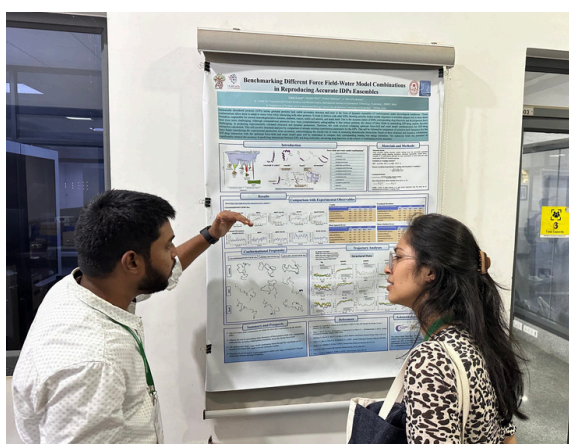

Secretary Shri Sanjay Murthy of the Ministry of Education visited IHub-Data in January. We briefed him on the dynamic activities of IHub-Data in the education sector and explored possible collaborations.

VISITS AND TALKS

At ML4Science 2024, held in February in Thiruvananthapuram, IHub-Data members Ananya Pandey and Prakul Agrawal presented posters on PLAS2OK, AI3 Datasets. Prof. Deva gave a talk on "Molecule Generation and Geometry Optimization using Reinforcement Learning."

At MD@60 held at Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru in February 2024. Prof Deva gave a talk on "Biases in machine learning of protein-ligand binding affinities: can data from MD simulations help?"

Dr. Divya Nayar, Assistant Professor at IIT-Delhi, visited our campus in March. During her visit, she gave a talk on "Living Cell Soup: Biomolecular Self-Assembly to Nanomaterial Design."

COLLABORATION

KEY ACHIEVEMENTS

Datasets
24

Publications
147

People trained
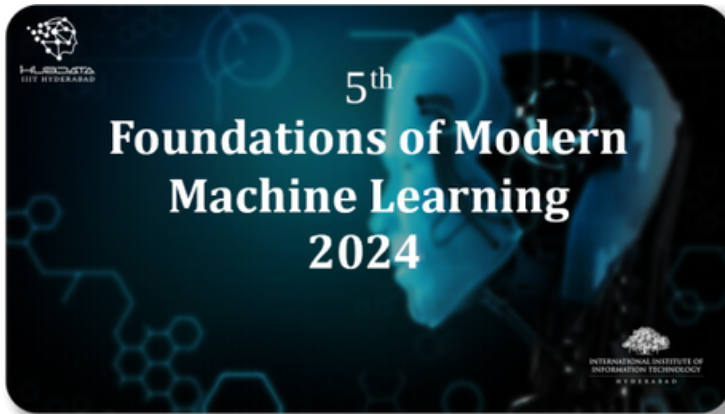4948

Patents
10

Fellowships
355

R&D Projects
38

Startups
29

UPCOMING PROGRAMS

The course is designed exclusively for the benefit of second or third year undergraduate engineering students.

Announcing the second edition of UG Minor Degree Program in Modern Machine Learning, an exclusive opportunity for top-performing undergraduate engineering students.

Our UG Add-On Program is specifically crafted for individuals looking to gain a comprehensive understanding of machine learning.

Scan this code to know more about our programs:

Upcoming Competitions

Scan this QR code for more details:

We are hosting the ICPR-24 Competition on Safe Segmentation of Drive Scenes in Unstructured Traffic and Adverse Weather Condition in conjunction with International Conference on Pattern Recognition (ICPR) 2024, Dec 01-05, 2024.

Scan this QR code for more details:

Participate in our Rider Intention Prediction competition to improve rider safety by proactively predicting maneuvers before they occur, enabling riders to react to the potential incorrect maneuvers flagged by Advanced Driver Assistance Systems (ADAS).

IHub-Data Vision & Mission

- **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.**

The six major activities promoted by iHub-Data include:
- **Technology Development**
- **Data Foundation**
- **Applied Research & Translation**
- **Human Resource & Skill Development**
- **Innovation, Entrepreneurship & Startup Ecosystem**
- **International Collaboration**

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