UP to lead country in deep tech innovation, says CM

TIMES NEWS NETWORK

Kanpur: Insisting that Indian Institute of Technology (IIT), Kanpur, will be established as the main centre for DeepTech innovation, Chief Minister Yogi Adityanath on Wednesday said that Uttar Pradesh will pioneer the revolution.

Yogi said the state govt has already allotted land for this project in the Gautam Budh Nagar district.

The CM expressed his desire for IIT Kanpur to lead the way in addressing modern challenges and alleviating the anxieties of young people.

He also noted that collaborations with institutions

Prof SN Tripathi (left) from IIT-K and Harrick Vin, CTO, TCS at the MoU signing ceremony at the institute on Wednesday

like DRDO and Isro could be used for this purpose.

Delivering the keynote address, Chief Technology Officer, TCS, Harrick Vin shared his vision of how human ingenuity and technology can come together to drive inclusive and impactful innovation.

"India stands at the cusp of redefining urban living, and we are laying the foundation for a new paradigm in urban planning and management—one that is predictive and profoundly human-centric. Industry–academia collaboration will be key," Vin said.

A key highlight was the MoU signing between IIT Kanpur's AIRAWAT Research Foundation, headed by Prof SN Tripathi, and Vin, paving the way for AI-driven solutions in urban planning and sustainability.

TCS will bring out deep capabilities in AI, remote sensing, multi-modal data fusion, digital twin, as well as data and knowledge engineering technologies to help solve today's urban challenges and anticipate the needs of tomorrow's cities.

According to Prof Tripathi, the future of urban living is rooted in our capacity to envision cities as dynamic ecosystems—adapting and evolving in response to the ever-changing needs of industry and society.

"The initiative aims to create high-resolution air quality maps, predict and mitigate urban flooding, optimise green spaces for carbon absorption, and estimate carbon flux to aid climate action," he said.