IIT Hyderabad Collaborates with
Andhra Mahila Sabha and
Neer Interactive Solutions to Establish
CGDT - Pioneering Center for Geo-spatial AI and Digital Twins

Empowering Women and Advancing Technology Innovation

Highlights:

- *The centre will play a vital role for female students in providing employment avenues and entrepreneurial opportunities*
- *Convergence of Expertise for Real-world Solutions*

Hyderabad, Aug 26, 2023: IIT Hyderabad is glad to announce the commencement of a groundbreaking partnership through a Memorandum of Understanding (MoU) with Andhra Mahila Sabha (AMS) and Neer Interactive Solutions Private Limited **on Aug 25, 2023 at IITH Campus**. This collaboration aims to create the Center for Geo-spatial AI and Digital Twins (CGDT). This initiative will spearhead research and innovation in the fields of Geo-spatial Artificial Intelligence and Digital Twin technologies.

The Center for Geo-spatial AI and Digital Twins will have four distinguished directors, including Shri Chakrapani, Chairman – AMS; Shri Jai Sankar, CEO - Neer Interactive Solutions; Prof B S Murty, Director - IITH, and Prof MV Panduranga Rao, Professor - Department of CSE, IITH. Prof MVP will lead the centre and serve as the Financial Signing Authority, while Shri Jai Sankar, Director and CEO of Neer Interactive Solutions, will act as the Project Director and liaison for projects initiated by the centre. The scope of the collaboration is extensive and includes areas such as developing indigenous Digital Twin Technology, designing BIM-GIS solutions, integrating Wireless and IoT technologies, enhancing safety measures for shipyards and ports, implementing Data Analytics for security and monitoring, and creating Geo AI models for various applications.

Expressing his enthusiasm for this partnership, Prof B S Murty, Director, IITH, said, *"We are thrilled to embark on this journey of innovation and knowledge exchange alongside Andhra Mahila Sabha and Neer Interactive Solutions. The Center for Geo-spatial AI and Digital Twins represents a convergence of academia and industry expertise, offering a platform to invent and innovate in technology for humanity and tackle some of the most pressing challenges in today's world."*.

Sharing Delight on occasion, Sri D Chakrapani IAS (Retd.), Chairman - AMS, said, *"Arts and Science College Andhra Mahila Sabha, Hyderabad, has entered into a very significant phase of its evolution today by entering into a MoU with IITH and Neer Interactives, for setting up a Geo Spatial Centre to carry out significant work in sensitive areas of India's defence. The Centre being set up at IITH is expected to provide expert knowledge to certain strategic places in shipyards and other sectors. This is also likely to play a vital role for female students in providing employment avenues and entrepreneurial opportunities. This is in tune with Dr Durgabai Desh Mukh's (its legendary founder) vision of skill development of young girls."*.

Excited to explore this opportunity, Shri Jai Sankar, Director and CEO Neer Interactive Solutions, said, *"The CGDT works with subjects related to defence, forestry, coastal security, and maritime ecosystems. We are very excited to partner with IITH, AMS, towards developing technology and AI-enabled India and preparing the next generation of human capital. We will be working on the issues related to inter, intra and external security arenas using Geospatial AI and Digital Twin Technology."*.

Enlisting the merit of this Centre, Prof M V Panduranga Rao, Professor, Department of CSE, IITH, said, *"We hope the proposed centre will go a long way in addressing some of the strategic, societal and environmental challenges of our country and the world through Geo-spatial AI and Digital Twin Technology. Excited to be a part of the initiative!"*.

The MoU was officially signed with the vision of fostering a collaborative environment that harnesses the expertise of all three parties. This centre will serve as a hub for cutting-edge research, development, and application of Geo-spatial AI and Digital Twins across various sectors, including defence, industry, environmental safety, climate change, wildlife, and more.

This partnership underscores the commitment of IITH, AMS, and Neer Interactive Solutions to bridge the gap between academia and industry. The collaborative efforts will lead to valuable research, technology transfer, and developing relevant programs and curricula that address real-world challenges. It also paves the way for faculty and trainers exchange, co-creation of certificate programs, and collaborative projects with governmental and international agencies for social impact.

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About IIT Hyderabad:

Indian Institute of Technology Hyderabad (IITH) is one of the eight IITs established by the Government of India in 2008. In a short span of **15** years, the institute has become one of the top-ranked institutions in the country and has received global recognition. It has **300+** full-time faculty, **~4,200** students, **18** Departments + **1** Centre for Interdisciplinary Programs, nearly **500+** state-of-the-art Research Facilities, and five research and entrepreneurship centres. The institute has a strong research focus with approx. Rs **900+** crores of sanctioned research funding, with PG+PhD students accounting for about **60**% of total student strength. IITH has more than **9200+** research publications with **1,35,000+** Citations, **190+** Published Patents, **2,200+** sponsored/consultancy projects with **500+** running projects, and about **130+** startups that have generated **1000+** jobs and a revenue of **Rs. 1200+ Cr**. Follow us on Instagram, LinkedIn, Twitter, Facebook, Koo, and YouTube for the latest updates.

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Please direct all media queries to Mrs Mitalee Agrawal | Public Relations Officer, IIT Hyderabad | Cell: 8331036099 | Email: pro@iith.ac.in

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