भारतीय सांकेतिक विज्ञान संस्था हैदराबाद
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

TiHAN, IIT Hyderabad and ARAI made a pact for India specific AV technology

Hyderabad: October 18, 2021: DST NMICPS Technology Innovation Hub on Autonomous Navigation (TiHAN) IIT Hyderabad and The Automotive Research Association of India (ARAI) has signed a Memorandum of Understanding (MoU) for collaboration in the field of India specific technology development, Simulation, real-world Verification & Validation for Advanced Driver Assistance Systems (ADAS) and Autonomous Driving. TiHAN-IITH and ARAI will jointly endeavor to promote, research, develop and offer solutions, technologies, and practices to the industry which lets the parties utilize their capabilities in a synergetic way. The collaboration will also promote the Innovation ecosystem, skill development & entrepreneurship activities in the area of autonomous navigation systems. TiHAN-IITH and ARAI will work together to synergize their technical know-how, expertise, and experience in the area of technology developments.

Explaining about IITH efforts in AV Technology, Prof P Rajalakshmi Project Director, TiHAN-IIT Hyderabad said, *"The collaboration will significantly contribute to safe as well as sustainable autonomous mobility solutions in the Indian context and provided greater insight into activities of TiHAN, along with the update on the Testbed on Autonomous Navigations (Aerial/ Terrestrial) in the campus. Ms Ujjwala Karle, Deputy Director, ARAI briefed about ARAI programs in the field of Smart Mobility."*

"MoU signing between TiHAN-IITH and ARAI is a wonderful moment that will bring about synergies from both organizations. TiHAN has been established with the vision of supporting activities related to Autonomous Navigation which will make India a leader in this particular domain. TiHAN will be at the forefront in devising technology, protocols, testing, and validation through Testbed, which shall be inaugurated shortly. Our association with ARAI will enable automobile manufacturers to utilize testbed facility and also workout to offer certificate programs", **said Prof B S Murty Director, IIT Hyderabad**.

"This is a moment of celebration for the association as well as the development of technology specifically in the field of ADAS. The collaboration will further strengthen ARAI's abilities & activities in the field of Smart Mobility. ARAI has been looking for avenues to disseminate knowledge in a structured way and keen to offer joint programs", **added Dr Reji Mathai Director, ARAI**.

About TiHAN, IIT Hyderabad

The newly established DST NMICPS Technology Innovation Hub on Autonomous Navigation and Data Acquisition Systems – TiHAN at IIT Hyderabad focuses on the research, design and development of autonomous navigation and data acquisition systems for UAVs, RoVs etc. With a synergetic industry and academic collaborations, the hub aims at realizing the utilization of autonomous navigation and data acquisition systems in the Indian as well as international context. The hub would like to accept R&D funding proposals in the field of Autonomous Navigation Systems for Ground Aerial & Water surface Vehicles, application of Autonomous Navigation Technologies in Agriculture, Infrastructure monitoring, Surveillance, Environmental Monitoring and related areas.

To know more, please visit: https://www.tihan.iith.ac.in/

About ARAI & TechNovuus

The Automotive Research Association of India (ARAI) established in 1966 is the leading automotive R&D organization of the country set up by the Automotive Industry with the Government of India. ARAI is an autonomous body under the administrative control of the Ministry of Heavy Industries. The Department of Scientific and Industrial Research, Ministry of Science & Technology, Government of India has recognized ARAI as a scientific and Industrial Research Organization. ARAI is one of the prime Testing and Certification agencies notified by the Govt of India. ARAI has embarked on an initiative to enhance our nation's innovation prowess through TechNovuus – a Technology & Innovation web-based platform under a mandate from and with the support of DHI, Govt of India. TechNovuus will

create an Ecosystem for enabling Indigenous technology, innovation and solutions development collaboratively to drive the Technology revolution and shape the future of Mobility in India.

To know more, please visit: https://www.araiindia.com/ ; https://technovuus.araiindia.com/

About IIT Hyderabad

Indian Institute of Technology Hyderabad (IITH) is one of the eight new IITs established by the Government of India in 2008. In a short span of **12** years, the institute has become a top ranker and currently has **242** full-time faculty, **3,491** students (**20**% women), and nearly **200** state-of-the-art laboratories, and five research and entrepreneurship centers. The institute has a strong research focus with approx Rs **575** crore of sanctioned research funding with PhD scholars accounting for about **30**% of total student strength. IITH has to its credit more than ~**6000** research publications, **195** patent disclosures, **1440** sponsored/consultancy projects, and about **70+** startups.

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