



DST NM-ICPS TiHAN Foundation Online Skill Development Program on **Global Navigation Satellite Systems** During: 25 July 2022 to 29 July 2022

LIVE
and
Real Time
Demo Course

SINGLE FREQUENCY
L1/E1



DUAL FREQUENCY
L1/E1 + L5/E5



- Organized by: Indian Institute of Information Technology Design and Manufacturing Kurnool
- Sanctioned by: DST NM-ICPS TiHAN Foundation, Indian Institute of Technology Hyderabad

Program Details

INTERACTIVE SESSIONS ON:

- GNSS fundamentals, signals, and satellites
- Inertial navigation, Terrestrial radio navigation
- INS/GNSS integration, Feature matching
- Demonstration of GNSS and INS

EXPERTS FROM:

- Indian Space Research organization(ISRO)
- Defence Research & Development Organisation(DRDO)
- Working Industry in GNSS
- IIITDM Kurnool and IIT Hyderabad

TAKEAWAYS & UNIQUENESS OF THE COURSE

- Training Kit with GNSS Modules worth Rs.5000/-
- Real-time Hands-on Experience with Specialized Kits and Manuals provided to all the attendees
- Per day only Four Hours-Only Interactive Sessions and Hands-on Sessions
- Registration is not open to all, it's on Reference and recommendation only

About the Skill development program:

The Global Navigation Satellites Systems (GNSS) technology is the need of the hour and many of us are using this directly indirectly in our day-to-day life. The TiHAN, IIT Hyderabad, and IIITDM Kurnool have taken the initiative to offer a One week online Skill Development program at IIITDM Kurnool on GNSS. This course will provide the awareness of the Global, Regional and Local Navigation systems and their usage for many applications. This course also explores awareness of the Indian IRNSS and GAGAN system and their functioning. As part of this course, demonstration on applications like Health, Transport, and Agricultural in the form of a workshop.

Cerification:

Those who have attended 80% or more and also scored more than 60% in the test will be issued a digital certificate by TiHAN IIT Hyderabad.

About TiHAN:

Department of Science and Technology (DST) under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS), Govt. of India has sanctioned the prestigious Technology Innovation Hub to IIT Hyderabad in the technological vertical of Autonomous Navigation and Data Acquisition Systems (UAVs, ROVs, etc.)TiHAN is recognized as a Scientific and Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research. <https://tihan.iit.ac.in/>

About IIITDM Kurnool:

Indian Institute of Information Technology Design and Manufacturing, Kurnool (IIITDMK) is an Institute of National Importance and fully funded by the Ministry of Education, Government of India. It caters to the Information Technology education needs of the country in Information technology Design and Manufacturing. <https://www.iitk.ac.in/>

Who can attend:

The faculty members(Computer Science and Engineering/IT, Electronics and Communication, Instrumentation, Aerospace Engineering) of the AICTE approved institutions, Scientists, Research Scholars, PG/UG Scholars, participants from Government, industry (Bureaucrats/ Technicians/ Participants from industry etc.)/ staff of the host institutions.

- <https://tihan.iit.ac.in/skill-development-programs-workshops/>

Contact Details:

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**Training Modules
to all participants
worth Rs.5000/-**

Registration Details:

- Register with the help of this Google form link: <https://forms.gle/4W5fhNgY54pDav78> **Last date of Registration: 11 July 2022**
- Registration fee for the Skill Development Program is: Rs.1180/- [Fee:Rs.1000 , GST(18%)]. Scan the QR Code and Pay the Registration fee
- All participants are required to submit a recommendation letter from a competent authority.

