

PROGRAM

**GNSS**

**BEGINNER**



<Asian Institute of Technical Sciences>



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# GNSS BEGINNER

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The Global Navigation Satellite System or GNSS refers to any of the satellite constellations transmitting signals from Space to provide positioning and synchronization, some of these GNSS constellations are: GPS, Galileo, Glonass, BeiDou, among others.

The GNSS system is part of our lives, we use it every day in our mobile phones, watches, cars, and in industries such as agriculture, marine, aviation, etc. The GNSS system is one of the modern technological wonders which signals and applications are available for the world.

## LEARN, DESIGN & CREATE

Directed to:

University and Institutes students, technicians, young and experienced professionals and people interested in this space technology field.



### OBJECTIVES:

At the end of this program you will have the elemental knowledge of the GNSS that will allow you to understand its functioning and applications to help you success in your projects.

### METHODOLOGY:

- The class lessons will be taken live using videoconference software.
- The class lessons will be practical and using real situation cases.
- Each session lasts 2 hours. The total content of the program will last 20 hours.

**CONTENT:**

- Introduction to GNSS.
- Modeling the Observations.
- GNSS current Constellations(GPS, BeiDou, Galileo, Glonass, etc.).
- Satellite Orbits and Attitude.
- Signals and Modulation.
- Atmospheric Signal Propagation.
- GPS and Galileo analysis.
- Receiver Signal Processing.
- Positioning and Navigation.
- GNSS/INS Integration.
- Land, Maritime and Aviation Applications,
- GNSS Ground Based Augmentation Systems and Space Applications.

**COST:**

**69 USD**

**\*At the end of this course, the students will receive their certificate of completion of the course.**

**REGISTRATION PROCESS:**

1. Fill and sign the [Registration Form](#).
2. Proceed to pay using: [https://www.aitsworld.com/paypal\\_en.html](https://www.aitsworld.com/paypal_en.html)
3. Send a capture or copy of your payment voucher, Registration Form, and ID or passport to: [admin@aitsworld.com](mailto:admin@aitsworld.com)

**\*If you have further questions or require additional information contact us to [info@aitsworld.com](mailto:info@aitsworld.com) or to our WhatsApp [+660615181746](https://wa.me/660615181746)**