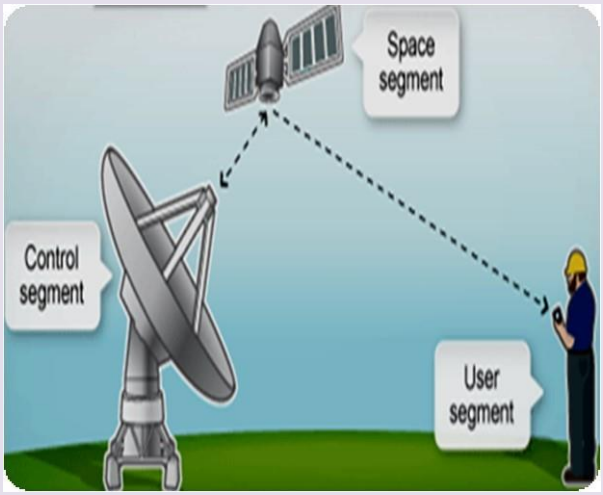
ONDA THANA MAHAVIDYALAYA

USE OF GPS

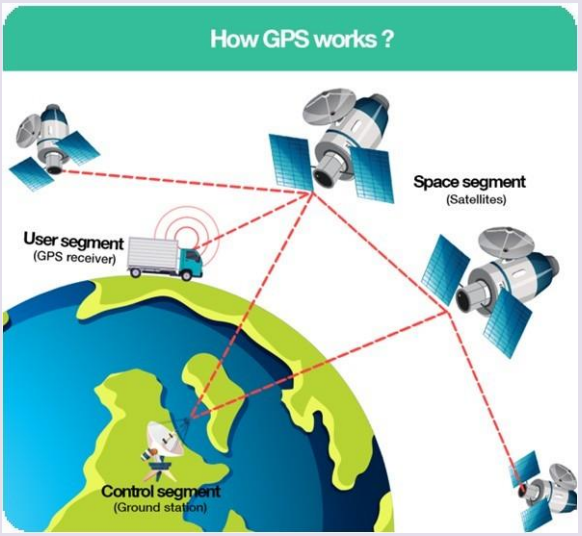
Value Add-on Course 35 hours



Link for Registration

https://forms.gle/JdmAAnqnwHPKsBmJ8

Department of English



02 Nov 2020 to 10 Nov 2020

11 AM to 04 PM

COURSE CONTANT

Week 1: Introduction to GPS Technology

- Overview of GPS technology and its evolution
- Principles of GPS positioning and satellite communication
- Understanding GPS accuracy and precision

Resource Persons: Dr. Sourav kumar Nag (Course Coordinator and Internal Resource Persons)

Week 2: Components of GPS Systems

- GPS satellites and their orbits
- GPS receivers and their functionality
- Augmentation systems (WAAS, EGNOS, etc.) and their role in enhancing GPS accuracy

Resource Persons: Mr Abdul Momin Haque & Mr. Asim Kumar Betal (Internal Resource Persons)

Week 3: Practical Usage of GPS Devices

- Types of GPS devices (handheld, automotive, wearable, etc.)
- Basic operation of GPS devices for navigation and mapping
- Tips and best practices for optimizing GPS performance

Resource Persons: Dr. Nikhilesh Dgar & Ar. Arijit Mal (Internal Resource Persons)

Week 4: Advanced Applications and Future Trends

- Advanced features of GPS devices (geocaching, waypoint management, etc.)
- Applications of GPS technology in fields such as agriculture, surveying, and logistics
- Emerging trends and future developments in GPS technology

Resource Persons: Mr. Asim Kumar Betal & Mrs. Bulti Chakraborty (Internal Resource Persons)

Week 5: GPS Equipment and Tools

- Types of GPS devices (handheld, smartphone, vehicle-mounted)
- Features and functionalities of GPS receivers
- Setting up and configuring GPS devices

Resource Persons: Dr. Sourav Kunar Nag & Ar. Abdul Momin Haque (Internal Resource Persons)

COURSE OUTCOME

1. Understanding of GPS Principles.
2. Proficiency in GPS Operation.
3. Ability to Navigate Using GPS.
4. Knowledge of GPS Application.
5. Awareness of GPS Limitations.
6. Understanding of Coordinate Systems.
7. Skills in Data Collection and Analysis.