Curriculum

1. Introduction to Remote Sensing
2. Historical Development of Remote Sensing
3. The Electromagnetic Spectrum (EMS)
4. Interaction of EMR with Earth's Surface
5. Types of Remote Sensing
6. Platforms for Remote Sensing
7. Remote Sensing Sensors
8. Image Acquisition in Remote Sensing
9. Digital Image Representation
10. Preprocessing in Remote Sensing
11. Image Enhancement Techniques
12. Image Classification
13. Band Combination and Band Ratios
14. Hyperspectral vs. Multispectral Imaging
15. Remote Sensing Applications
16. Remote Sensing in Earth Observation
17. Challenges and Limitations
18. Future Trends in Remote Sensing

LEARNING OUTCOME

1. Understanding the basics and evolution of remote sensing technology.
2. Exploring the Electromagnetic Spectrum (EMS) and its role in remote sensing.
3. Learning about different remote sensing platforms and sensors.
4. Mastering image acquisition, preprocessing, and digital image representation.
5. Applying image enhancement techniques and classification methods.
6. Comparing hyperspectral and multispectral imaging for various applications.
7. Identifying key applications, challenges, and future trends in remote sensing.

2 day
Workshop
LIVE

from
27th - 28thsept

hexstar universe

ENROLL NOW

Got any more questions? Feel free to contact us on
hexstaruniverse@gmail.com or call us on +91 8910123832