

**e-content developed under e-PG Pathshala in Environmental Science**

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**<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=14>**

**Paper 6      Remote sensing & GIS application in Environmental Science**

<b>Module</b>	<b>Title</b>
MODULE 01	Concept of space and time; Types of Satellites
MODULE 02	Global Positioning System (GPS)
MODULE 03	Space Agencies in the World
MODULE 04	Space Agencies in India
MODULE 05	Google Earth; Bhuvan
MODULE 06	Fundamentals of Remote Sensing
MODULE 07	Electromagnetic Radiations
MODULE 09	Spectral Reflectance
MODULE 10	Sensors
MODULE 11	Types of Orbits
MODULE 12	Types of Platforms in Remote Sensing
MODULE 13	Aerial Photography
MODULE 14	Data Collection and Scanning systems
MODULE 17	Elements of GIS
MODULE 18	History of Geographic Information System
MODULE 21	GIS Software's
MODULE 24	Vector and Raster based Analysis
MODULE 25	Overlays Operation
MODULE 28	Application of Geospatial Technology in Biodiversity Studies
MODULE 30	Application of Geospatial Technology in Air Pollution Management
MODULE 32	Application of Remote Sensing and GIS for Coastal Zone Management
MODULE 34	Application of Geospatial Technology in Disaster Management
MODULE 36	Applications of Remote Sensing and GIS in Wildlife Monitoring

**Paper 8      Atmospheric Processes**

Module 09	Plume Behaviour
Module 12	Atmospheric Chemistry