

M. Tech. GIS & Remote Sensing Program Structure		
Year I	Semester-I	Semester-II
	<ul style="list-style-type: none"> • Advance Mathematics • Remote Sensing • Photogrammetry • Geo-informatics • Recent trends in RS&GIS and Environmental assessment & monitoring • Discipline Electives (1) 	<ul style="list-style-type: none"> • Image Interpretation & Analysis • Digital Cartography & Global Positioning System • Advanced Image Acquisition & Interpretation for Environmental Mapping • Urban Mapping & Planning • Discipline Electives (2)
Year II	Semester-III	Semester-IV
	<ul style="list-style-type: none"> • Discipline Electives (2) • Seminar (Phase - I) • Dissertation / Internship (Phase - I) • 	<ul style="list-style-type: none"> • Seminar (Phase - II) • Dissertation / Internship (Phase - II)

The Program structure is subject to change (if required).

Discipline Electives (Semester I)
<p>Agriculture & Soil</p> <ul style="list-style-type: none"> ➤ Land use & Soil resource management ➤ Agri-informatics ➤ Environmental Soil Science ➤ Satellite agro-meteorology
Discipline Electives (Semester II)
<p>Geosciences & Geo-hazards</p> <ul style="list-style-type: none"> ➤ Remote sensing for earth & planetary sciences ➤ Data processing & analysis for Geosciences ➤ Applied & tectonic geomorphology ➤ Engineering Geology & groundwater <p>Forest ecosystem assessment & management</p> <ul style="list-style-type: none"> ➤ Forest mapping & monitoring ➤ Forest inventory ➤ Forest informatics ➤ Forest ecosystem analysis <p>Urban & Regional Studies</p> <ul style="list-style-type: none"> ➤ Fundamentals of Urban & Regional Planning ➤ Geospatial Technologies in Urban Area Analysis ➤ Urban resources, services & facilities analysis ➤ Advanced Urban and Regional Studies

Discipline Electives (Semester III)
Marine & Atmospheric Science <ul style="list-style-type: none">➤ Remote Sensing Applications in the Coastal Processes and Marine Ecology➤ Atmosphere & Ocean Dynamics➤ Satellite Oceanography➤ Satellite Meteorology
Water Resources <ul style="list-style-type: none">➤ Water resources assessment➤ Watershed analysis & planning➤ Water resources development➤ Water resources management