

## Announcement of Course

### **“Geospatial Technologies (RS & GIS) for Urban Planning”**

The use of Remote Sensing (RS), Geographical Information System (GIS) and Global Positioning System (GPS) and associated geo-spatial technologies is increasing rapidly, creating a huge demand of trained manpower.

IIRS, ISRO, NNRMS & DOS announce Outreach Programme on **“Geospatial Technologies (RS & GIS) for Urban Planning”** of 5 weeks duration between 11<sup>th</sup> Feb – 15<sup>th</sup> Mar 2016, 1530-1700 hrs on working days. The course contents are as shown below...

<p><b><u>Remote Sensing and GIS:</u></b></p> <ul style="list-style-type: none"><li>• Overview of Remote Sensing and GIS for Urban Planning;</li><li>• Introduction to GNSS;</li><li>• Urban/Regional Features Extraction using remote sensing data;</li><li>• GIS concepts and Spatial Database for Urban Planning;</li></ul> <p><b><u>Urban Planning Applications:</u></b></p> <ul style="list-style-type: none"><li>• Urban Planning: Challenges &amp; Opportunities in present context;</li><li>• Base Map and Cadastral Mapping ;</li><li>• Urban Land Use / Land Cover Classification;</li><li>• Introduction to Bhuvan Portal;</li></ul>	<ul style="list-style-type: none"><li>• Open Source Tools &amp; Datasets for Urban Planning;</li><li>• National Urban Information System and Bhuvan-NUIS-;</li><li>• Crowdsourcing and Mobile Apps for Citizen-centric services;</li><li>• 3D City Modeling for Urban Planning ;</li><li>• Close Range Photogrammetry for Urban Heritage studies;</li><li>• Urban Sprawl and Urban Growth Modeling;</li><li>• Land Surface Temperature in Urban Areas;</li><li>• Urban Green Spaces;</li><li>• Seismic Risk Assessment in Urban Areas;</li><li>• Risk Assessment of Industrial Hazards in Urban Areas;</li></ul>
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The course is designed for Professionals engaged in Urban & Regional Planning, students & researchers of Urban & Regional Planning, Geography, Environmental studies, **Civil Engineering** and Architecture.

**Link to register online to the course: [http://bis.iirs.gov.in/edusat\\_16course\\_registration/](http://bis.iirs.gov.in/edusat_16course_registration/)**

No registration fees for WCE students. For Non-WCE participants Rs 2000/- as an operational expenses.

The course followed by online exam conducted by IIRS. The course completion certificate will be awarded by IIRS & ISRO to the successful candidates.

Contact for further details about the course:

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**Chief Coordinator**

**HOD Civil**

**Director**