

Objectives and Course Content of Short Term Courses

Operational Plan No.	ICT-5
Name of the Course	Remote Sensing, GPS & GIS in Civil Engineering
Objectives of Course	<ul style="list-style-type: none"> • The programme shall aim at enabling the participants to understand the basic principles of Remote Sensing GIS and GPS application in Civil Engineering. • The participants shall be acquainted with India's Space program besides highlighting the applications of Remote Sensing & GIS in Natural Resource Management. • Demonstration for the use of software : ERDAS & MAPINFO and other GIS application software • Hands on training, if the software is available with respective Institution. • Some of the latest surveying instruments used for measuring the topography of the area shall also be demonstrated. • Lecture session shall be arranged through experts in the Science of Remote Sensing using some real-time projects.
Course Content	<ul style="list-style-type: none"> • Basic principles of Remote Sensing, Sensors and its platforms • Indian Space Program and Applications of remote sensing • GIS fundamentals • Data Structures and DBM • GPS-Concept and applications • RS & GIS applications in Civil engineering
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