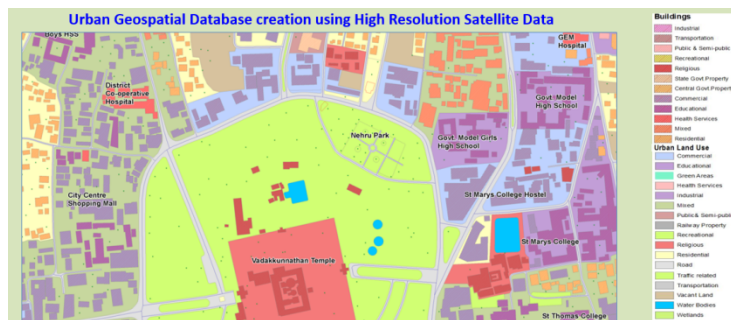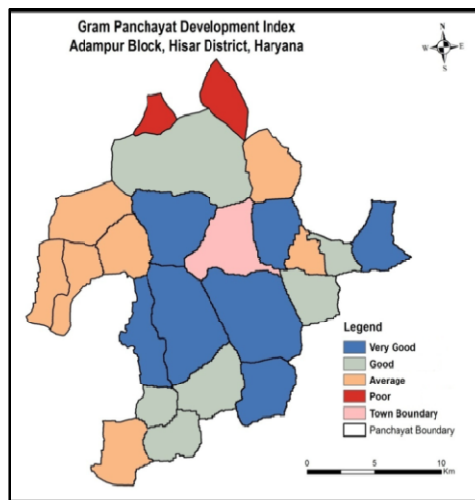# Large Scale Mapping for City/Urban Planning & Panchayat Raj Applications
(September 23 - 27, 2019)

Large Scale Maps (LSMs)generated using high resolution satellite/ aerial remote sensing images are extensively used for micro-level planning such as preparation of base maps for urban infrastructure, Asset Management (AM) & Facility Management (FM) Applications and panchayat level development plans and services. LSM maps in the scale of 1: 500 to 1:10,000 are generated through ortho-rectification for geometric fidelity and planimetric accuracy. Depending on nature of application,

Large Scale Map of part of Thrissur, Kerala

detailed topological data, together with the associated thematic layers and attribute information are generated using different geospatial techniques like photogrammetry, GPS, GIS and Mobile Applications.

In the Context of City/Urban Planning, LSMs provides various thematic inputs for planning & development of Urban Areas. Towards Utility Planning and Management, LSMs supports planning of better water & sewerage management, tax collection, telecom planning, location based services, traffic flow management, security & surveillance etc. For Panchayat Raj applications, LSMs supports in identifying thrust areas/hotspots, taking up developmental activities, Updation and visualization & monitoring of assets. These information are made available in web-enabled spatial databases for planning activities at grassroots level. LSMs provide crucial input for AMRUT project sponsored by the Govt. of India to develop 500 large and medium towns in the country.

Training Focus:

The training is intended to impart knowledge and skills development towards generation of Large Scale Maps using Geospatial Technologies including Photogrammetry and feature capturing tools. The course is designed to provide exposure on LSM generation, preparation of input requirements, accuracy aspects and its applications for City/ urban planning and panchayatraj applications such as mapping of assets & developmental scenarios for optimal utilization along necessary demonstrations, case studies and Bhuvan based Urban & Panchayat Raj web services. This course will serve as a useful learning experience for planners and supervisory staff working in the relevant fields.

Who Can Apply?

Applications are inivted from Central/State Government Departments, NGOs, Private Companies and Faculty/Research Scholars from Academic Institutions who intended to work on High resolution satellite/ Aerial Remote sensing data for planning, development and utility applications. Participants should have minimum Masters in Science or Bachelors degree in Engineering with basic exposure to maps and geo-databases. Right of admission reserved with NRSC.