



: Report on :
One Week Training Program on
"GIS & Remote Sensing Application using Open Source Software"
March 24-28, 2017

Aim and Objectives of the Training:

1. To introduce open source QGIS software.
2. Use of QGIS for spatial analysis, geo-processing and georeferencing, watershed analysis, etc.

Department of Civil Engineering has organized one week training program on "GIS & Remote Sensing Application using Open Source Software" for students to encourage the them for the use of Open Source Software. QGIS is the prime open source software used for analysis of hydrological parameters similar to the ArcGIS. This training was offered by kCUBE Consultancy Services Pvt. Ltd., Chennai. This was spread over 5 days with four sessions every day. Mr Sitanshu Pattnaik and Mr. Farooque conducted the sessions. In all 35 students from UG and PG attended the training. The students from SY (Civil); TY (CWM) and MTech. (CWM) got benefitted. The day wise course content is described below. Mr. Atul Shinde, Research Scholar in the department looked after the session management and ensured smooth conduct of the training. Dr. M.P. Rajurkar, Associate Professor was the course coordinator for the training programme.

Day 1: After inauguration, technical session conducted in Computer Laboratory of Civil Department at 10:30 am. It comprised of introduction to GIS, introduction to RS, introduction to open source GIS, introduction to QGIS.

Day 2: Map projection, symbology and labels, introduction to QGIS plugins and georeferencing was covered.

Day 3: The topics covered in 3rd day training were: editing data, querying data, vector blender and core GIS plugins.

Day 4: Map composer, spatial analysis and georeferencing tools were completed on day 4.

Day 5: Training comprised of the raster analysis, introduction to GRASS and watershed analysis.

On each day the last session was reserved for exercise and review.

This training has given information and awareness towards open source software and students are able to handle QGIS software and various tools including plugins. They are also able to create maps, assign coordinates and georeferencing the toposheet.

Acknowledgements

Department of Civil Engineering is thankful to Dr. M.P. Rajurkar, Head, Department of Civil Engineering and Dr. L.M. Waghmare, Director, SGGSIET for giving an opportunity for the students to undergo this training. Also the department is thankful to Dr. M.B. Kokare, Coordinator, Center of Excellence (SIP) for extending the financial support.

Glimpses:



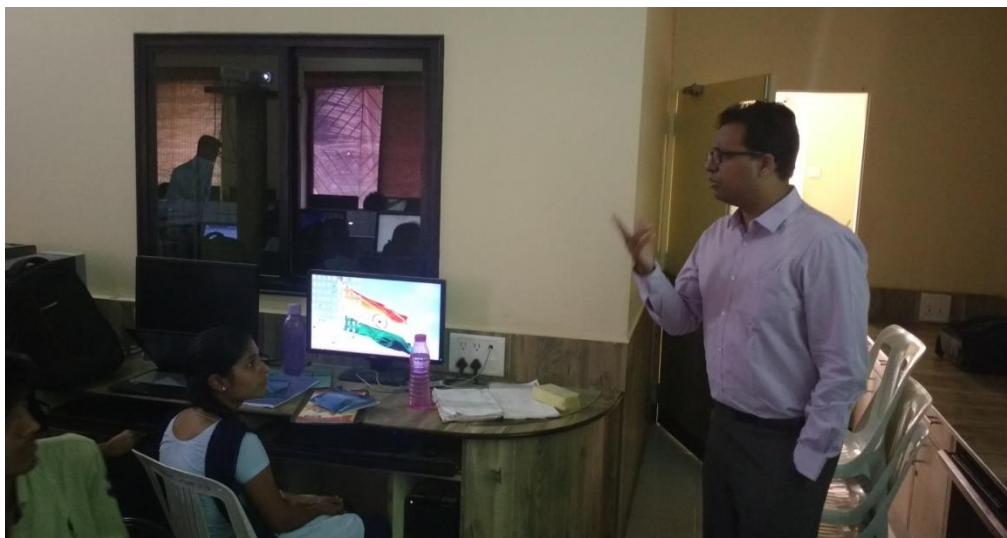
Inauguration Programme



Inauguration Programme



Inauguration Programme



Experts Giving Training to Students



Students Attending Training

(Mr. Atul Shinde)
Technical Assistant

(Dr. M.P. Rajurkar)
Course Coordinator