Group Id: MAPATHON3209

Title: Change Detection - Nagpur City

The ISRO LISS3 dataset, downloaded from Bhuvan Geo Portal was used in this project. This data is available from 19 Oct 2008 to 19 Jan 2018. Open-source GIS software used for analyzing this data is QGIS. First the data was checked for clouds, fortunately no clouds were observed. A FCC comprising of band 5, band 4 and band 2 in Red, Green and Blue channel respectively was made. Also NDVI Raster was calculated using bands 4 and band 3.

Nagpur city has seen rapid urbanization in this decade, the variation in vegetation around the city indicates its expansion. This is a way to showcase the urbanization.