



**2 Day Hands-On Workshop by Prithvi Geospatial  
on  
“Applications of Open Source GIS in Civil  
Engineering”**

**Tentative Schedule of Course**

**DAY 1:**

<b>Session Title</b>	<b>Schedule</b>	<b>Duration</b>	<b>Description</b>
Introduction to Workshop	09:30-10:00	30 Mins	Introduction
Introduction to GIS	10:00-10:15	15 Mins	Lecture
Basics of GIS	10:15-10:30	15 Mins	Lecture
Introduction to Google Earth	10:30-11:00	30 Mins	Hands-On
QGIS Basics	11:00-13:00	2 Hours	Hands-on
Lunch break	13:00-14:00	1 Hour	-
Mapping and Co-Ordinate Systems	14:00-14:30	30 Mins	Lecture
Map Composition	14:30-16:00	30 Mins	Hands-On
Openstreetmap	16:00-16:30	30 Mins	Hands-On
Discussion and Queries	16:30-17:00	30 Mins	-

**DAY 2:**

<b>Session Title</b>	<b>Schedule</b>	<b>Duration</b>	<b>Description</b>
Introduction to Remote Sensing and GPS	9:30-10:00	30 Mins	Lecture
Bhuvan Geoportal	10:00-11:00	1 Hour	Hands-On
Geospatial Data and their source	11:00-11:30	30 Mins	Lecture
Working with Basic GIS Operations	11:30-13:00	1.5 Hour	Hands-on
Lunch Break	13:00-14:00	1 Hour	-
Application of GIS in Civil Engineering	14:00-15:00	1 Hour	Lecture
QGIS and GRASS GIS Processing	15:00-16:00	1 Hour	Hands-on
Trends in Geospatial Industry	16:00-16:30	30 Mins	Lecture
Discussion and Queries	16:30-16:45	15 Mins	-
Valedictory and Certificate Distribution	16:45-17:00	15 Mins	-