

भारत सरकार Government of India
अंतरिक्ष विभाग Department of Space
भारतीय अंतरिक्ष अनुसन्धान संगठन Indian Space Research Organisation
भारतीय सुदूर संवेदन संस्थान, देहरादून Indian Institute of Remote Sensing, Dehradun

IIRS Outreach Program

57th IIRS Outreach Course

Geoprocessing and Visualization in Web Platforms

Jan 27- Feb 7, 2020

Course Schedule:

Date/Time	Topic	Resource Person
27-01-2020 1600 hrs – 1730 hrs	Fundamentals of Remote Sensing & Geographic Information System	Kamal Pandey
28-01-2020 1600 hrs – 1730 hrs	Introduction to Anaconda, Jupyter Notebook and Overview of Python	Ravi Bhandari
29-01-2020 1600 hrs – 1730 hrs	Functions in Python, Introduction to Numpy and Matplotlib	Ravi Bhandari
30-01-2020 1600 hrs – 1730 hrs	Reading and Writing Raster data using Python using GDAL	Ravi Bhandari
31-01-2020 1600 hrs – 1730 hrs	Raster Data processing(Mosaicking, Sub setting etc.) in python	Ravi Bhandari
03-02-2020 1600 hrs – 1730 hrs	Reading and Writing Vector data using GeoPandas	Ravi Bhandari
04-02-2020 1600 hrs – 1730 hrs	Vector Data Analysis using geopandas	Ravi Bhandari
05-02-2020 1600 hrs – 1730 hrs	Map Visualization using Folium	Ravi Bhandari
06-02-2020 1600 hrs – 1730 hrs	Introduction to Cartopy	Ravi Bhandari
07-02-2020 1630 hrs – 1730 hrs	Panel Discussion	Kamal Pandey, Ravi Bhandari, Dr. Harish Karnatak

(Ravi Bhandari)
Module Coordinator

(Dr. Harish Karnatak)
Head, GITDL