

IIRS Outreach Program

73rd Outreach Course

Overview of Geoprocessing using Python

Jan 18-29, 2021

Course Schedule:

Date/Time	Topic	Resource Person
18-01-2021 1600 hrs – 1700 hrs 1700 Hrs to 1730 Hrs	Fundamentals of Remote Sensing & Geographic Information System Interactive Session	Kamal Pandey
19-01-2021 1600 hrs – 1700 hrs 1700 Hrs to 1730 Hrs	Introduction to Anaconda, Jupyter Notebook and Overview of Python System Interactive Session	Ravi Bhandari
20-01-2021 1600 hrs – 1700 hrs 1700 Hrs to 1730 Hrs	Introduction to Numpy and Matplotlib System Interactive Session	Ravi Bhandari
21-01-2021 1600 hrs – 1700 hrs 1700 Hrs to 1730 Hrs	Reading and Visualizing Raster data System Interactive Session	Ravi Bhandari
22-01-2021 1600 hrs – 1700 hrs 1700 Hrs to 1730 Hrs	Raster Data processing(Writing, Stacking, Sub setting etc.) in python System Interactive Session	Ravi Bhandari
25-01-2021 1600 hrs – 1700 hrs 1700 Hrs to 1730 Hrs	Raster Data processing (Mosaicing, Local Analysis, Proximity etc) System Interactive Session	Ravi Bhandari
26-01-2021	Holiday	
27-01-2021 1600 hrs – 1700 hrs 1700 Hrs to 1730 Hrs	Reading and Writing Vector data using GeoPandas System Interactive Session	Ravi Bhandari
28-01-2021 1600 hrs – 1700 hrs 1700 Hrs to 1730 Hrs	Vector Data Analysis using geopandas System Interactive Session	Ravi Bhandari
29-01-2021 1630 hrs – 1700 hrs 1700 Hrs to 1730 Hrs	Basic Image Processing and Classification System Interactive Session	Ravi Bhandari