

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

94th Outreach Course

Overview of Geoprocessing using Python

Jan 17-28, 2022

Course Schedule:

Date/Time	Time	Topic	Resource Person
17-01-2022	1600hrs – 1730 hrs	Fundamentals of Remote Sensing & Geographic Information System	Kamal Pandey
18-01-2022		Introduction to Anaconda, Jupyter Notebook and Overview of Python	Ravi Bhandari
19-01-2022		Introduction to Numpy and Matplotlib	Ravi Bhandari
20-01-2022		Reading and Visualizing Raster data	Ravi Bhandari
21-01-2022		Raster Data processing(Writing, Stacking, , Sub setting etc.) in python	Ravi Bhandari
24-01-2022		Raster Data processing (Mosaicing, Local Analysis, Proximity etc)	Ravi Bhandari
25-01-2022		Reading and Writing Vector data using GeoPandas	Ravi Bhandari
26-01-2022		Holiday	
27-01-2022		Vector Data Analysis using geopandas	Ravi Bhandari
28-01-2022	1600hrs– 1645 hrs	Basic Image Processing and Image Classification using machine learning	Ravi Bhandari
28-01-2022	1645-1730	Panel Discussion	Kamal Pandey, Ravi Bhandari, Dr. Harish Karnatak