

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

### 94<sup>th</sup> Outreach Course

#### Overview of Geoprocessing using Python

**Jan 17-28, 2022**

#### **Course Schedule:**

<b>Date/Time</b>	<b>Time</b>	<b>Topic</b>	<b>Resource Person</b>
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		<del>Vector Data Analysis using geopandas</del>	<del>Ravi Bhandari</del> Note : Cancelled
28-01-2022	1645-1730	Panel Discussion	Kamal Pandey, Ravi Bhandari, Dr. Harish Karnatak