Government of India
Department of Space
Indian Space Research Organisation

Indian Institute of Remote Sensing

Dehradun

98th IIRS OUTREACH PROGRAMME

02 May, 2022 – 13 May, 2022

Artificial Intelligence (AI) for Earth Observation (EO) and Geodata Handling and Processing

Timing: 1600 to 1730 Hours

Date	Day	Topic	Faculty
02-May-2022	Monday	Introduction to AI on EO	*Mr. Ashutosh Kumar Jha*
03-May-2022	Tuesday	Holiday on the event of Ed-Ul-Fitar	
04-May-2022	Wednesday	Lab-1 : Creating computational environment for Geospatial raster and vector data handling	*Mr. Prabhakar Alok Verma*
05-May-2022	Thursday	Application of AI ML on Geospatial data	*Prabhakar Alok Verma*
06-May-2022	Friday	Lab-2: Demonstration of ML on geospatial data	*Prabhakar Alok Verma*
07-May-2022	Saturday		
08-May-2022	Sunday		
09-May-2022	Monday	NN and CNN computational architectures for EO tasks	*Mr. Ashutosh Kumar Jha*
10-May-2022	Tuesday	Lab-3- Creating DNN and CNN model for AI Task	*Mr. Ashutosh Kumar Jha*
11-May-2022	Wednesday	Strategy for the NN model bias and variance	*Mr. Ashutosh Kumar Jha*
12-May-2022	Thursday	Lab-4- Demonstration on using optimization for the bias and variance	*Mr. Ashutosh Kumar Jha*
13-May-2022	Friday	Question Answers Session	