

**Indian Institute of Remote Sensing
Water Resources Department**

IIRS Outreach Programme

One-week online course on

Advances in monitoring and modelling of hydro-meteorological hazards using geospatial technology and process based models” during December 5-9, 2022

Date	Lecture (Evening 16.00 – 17.30 hrs)	Faculty
5-12-2022	-Inaugural session: Introduction to course, IIRS, DLP -Overview of earth observation data and geospatial techniques for hydro-meteorological hazards assessment	-All faculty -PKT
6-12-2022	Hydrological modelling using geospatial inputs: its application in flood peak estimation and hazard/vulnerability assessment	AC
7-12-2022	Hydrodynamic modelling using geospatial inputs: its application in riverine flood, GLOF, Dam Break, LLOF assessment	PRD
8-12-2022	Drought monitoring and assessment using remote sensing data	BRN
9-12-2022	-Snow & glacier mapping and avalanche vulnerability assessment -Panel Discussion	-VG -All faculty

Faculty:

PKT: Dr. Praveen Kumar Thakur

VG: Dr. Vaibhav Garg

PRD: Mr. Pankaj R. Dhote

BRN: Dr. Bhaskar R. Nikam

AC: Dr. Arpit Chouksey

Course Director:

Dr. Praveen Kumar Thakur
Scientist / Engineer SG
Head, WRD, IIRS

Course Coordinator:

Mr. Pankaj Ramji Dhote
Scientist / Engineer SE