

ERTD TREES Training
Training on Satellite Based Hydrology and Modeling
Duration: May 2 - 11, 2018

Theory	Topic	Faculty
L1	Overview of Training and EPSA Activities	Dr. S. P. Vyas
L2	Basics of Remote Sensing	Shri Hiren Bhatt
L3	Image Processing and GIS	Shri V B Jha
L4	Remote sensing applications in Hydrology	Dr. R P Singh
L5	Satellite based Rainfal Estimation	Dr. A.K. Varma
L6	Hydrological modeling with RS data	Dr. P K Gupta
L7	SACHYDRO Model (Snow melt runoff modeling)	Dr. Amit Dubey
L8	Ramsar Wetlands: Science and Experience of Nalsarovar	Dr. T V R Murthy
L9	ET Tools and technique	Shri Rohit Pradhan
L10	Satellite Radar and LiDAR Altimetry over Land	Dr. Shard Chander
L11	Ground water Exploration and Management	Shri Arun Kumar Sharma
L12	Ground water studies using GRACE satellite data	Shri Ritesh Agrawal
L13	Water Quality monitoring from space	Shri Ashwin Gujrati
L14	Adaptation Strategies for Groundwater Sustainability in the Face of Climate Change in India	Shri R.C. Jain, CGWB
L15	Flood Assessment	Dr. Dhruvesh P. Patel, PDU
L16	Ground water quality in India : implications and management	Shri R.C. Jain, CGWB
L17	Snow hydrology	Dr I M Bahuguna
L18	Glacier Lakes Outburst Flood (GLOF) Modeling	Shri B.P. Rathore
L19	Satellite based Digital Elevation Model	Shri Jayaprasad P.
L20	National Wetland Inventory & Assessment using remote sensing and GIS	Shri J G Patel
L21	Satellite based Drought Assessment: Status and Issues	Dr. S S Ray, MNCFC
L22	Introduction on GIS	Shri R J Bhanderi
L23	Urban Flooding	Dr. Gaurav Jain
L24	Isotope Hydrology	Prof. R.D. Deshpande, PRL
L25	Remote Sensing of Isotopes for Hydrological Applications	Ms. Nimisha Singh
N1	Satellite Hydrology Note	All Faculty
Hands on exercise & Practical's		
T1	Tutorial on Image processing – 1 Tutorial on Image processing – 2	Shri V B Jha and Team
T2	Tutorial on Hydrological Modeling - 1 Tutorial on Hydrological Modeling - 2	Dr. Amit Dubey and Team