

**SCHEDULE FOR TRAINING – CUM - WORKSHOP ORGANIZED BY CENTRE FOR FLOOD MANAGEMENT STUDIES, NATIONAL INSTITUTE OF HYDROLOGY
GUWAHATI & WATER RESOURCES DEPARTMENT, GOVERNMENT OF MEGHALAYA
UNDER NATIONAL HYDROLOGY PROJECT**

TOPIC: ‘Impact of Climate Change, Flood Mitigation and Drought Vulnerability’ under the Purpose Driven Study entitled ‘Study on behaviour of flooding and unexpected drought like situation in Garo Hills Districts of Meghalaya’.

VENUE: All Saints Cathedral Hall, IGP Point, Shillong, Meghalaya

DATE: 4 – 8 October 2021

Dates	1000 to 1100 hrs	1100 to 1200 hrs	Lunch Break	1400 to 1500 hrs	1500 hrs to 1600 hrs
4.10.2021	Registration of Participants and Inaugural Session.			Status of Flood in Meghalaya by Dr. Sanjay Kumar Sharma, Sc ‘C’	Status of Drought in Meghalaya by Dr. Sanjay Kumar Sharma
5.10.2021	Introduction to Remote Sensing and GIS by Dr. A. K. Lohani, Sc ‘G’	Introduction to Hydrological Modelling Dr. Rahul Jaiswal, Sc ‘E’		Free Satellite data available on the internet and introduction to Google Earth Engine (GEE) Dr. A. K. Lohani, Sc ‘G’	Introduction to Hydrological modelling of Floods using HEC HMS/ RAS Dr. Rahul Jaiswal , Sc ‘E’
6.10.2021	Climate Change : An Overview, Dr. Sanjay Kumar Sharma, Sc ‘C’	Climate change and its impact on Floods in with focus on North East		Climate Change Impact on Droughts Er. W.Rahul Singh, CFMSG (WRS)	Application of Standard Precipitation Index Quantifying Drought (WRS)
7.10.2021	Introduction and Modelling of Flood Inundation Dr. Sanjay Kumar Sharma, Sc‘C’	Demonstration of Modelling using Rainfall-Runoff-Inundation (RRI) Model, Sc ‘C’		Demonstration of AWS and AWLR by representatives of Hydro Flow Tech, Mumbai Based Pvt Firm	
8.10.2021	Valedictory Function and Feedback of Participants			Site visit to Phulburi to see in situ operational AWLR Instrument	

Faculty for training:

Dr. A. K. Lohani, Head & Coordinator , Scientist ‘G’	Dr. Sanjay Kumar Sharma, Scientist ‘C’
Dr. R. K. Jaiswal, NIH Centre Bhopal, Scientist ‘E’	Er. Rahul Waikohom Singh, Scientist ‘B’