

# NATIONAL REMOTE SENSING CENTRE

One-week customized Webinar on

## “Remote Sensing & GIS Technologies for Water Resources Applications”

(For water resources engineers of Central / State Govt. Departments under National Hydrology Project)

**June21 - 25, 2021**

### PROGRAMME SCHEDULE

2021-09-C

Date&Time	Title of the Lecture	Faculty
<b>Day-1 : 21 Jun2021(Monday)</b>		
1000 - 1030 hrs	Webinar Registration	TEG
10:30-11:00 hrs	Inaugural Session	WRG & TEOG
11:00-12:00 hrs	Introduction to Remote Sensing	Mr. P. Chandrasekhar, TEG
12:00-13:00 hrs	Image Interpretation Techniques	Mr. T. S. Viswanadham, TEG
13:00-14:00 Lunch Break		
14:00-15:00 hrs	Open Sources GIS (QGIS) (Theory & Demo)	Mr. P. Hariesh , TEG
1500-1630 hrs	Hands on Exercise in Image Interpretation (Rivers, Water bodies, vegetation, etc)	Mr. P. Hariesh, TEG
<b>Day-2 : 22 Jun2021(Tuesday)</b>		
10:30-11:45 hrs	Introduction to GIS	Mr. PVSSN Gopalakrishna, TEG
11:45-13:00 hrs	Spatial Data Analysis Techniques	Mr. T. S. Viswanadham, TEG
13:00-14:00 Lunch Break		
14:00-16:30 hrs	Hands on Exercise in GIS (shape file creation, subset, point to spatial conversion, dissolve, etc.)	Mr. P. Hariesh, TEG
<b>Day-3 : 23 Jun2021(Wednesday)</b>		
10:30-11:45 hrs	DEM Generation Concepts and its Applications in Water Resources	Mrs. J. Nalini, AS&DMG
11:45-13:00 hrs	Hands on Exercise in OpenSource GIS(querying, buffering, GIS operations, etc.)	Mr. T. S. Viswanadham, TEG
13:00-14:00 Lunch Break		
14:00-16:30 hrs	Hands-on Exercise in Open Source GIS(querying, buffering, GIS operations, etc.)	Mr. T. S. Viswanadham, TEG
<b>Day-4 : 24 Jun2021(Thursday)</b>		
10:30-11:45 hrs	Satellite Remote Sensing Applications in Water Resources	Mr. B. SimhadriRao, WRG
11:45-13:00 hrs	Open Source Data & Software for Water Resources	Mr. Saksham Joshi, WRG
13:00-14:00 Lunch Break		
14:00-16:30 hrs	Hands on Exercise in Catchment and drainage delineation using DEM	Mr. V Yogesh Palenivel, WRG
<b>Day-5 : 25 Jun2021(Friday)</b>		
10:30-11:15 hrs	Satellite Data Products & Dissemination	G. Someshwara Rao, NDC
11:15-12:15 hrs	Water Resources Information Portals	Mr. K. Abdul Hakeem, WRG
12:15-13:00 hrs	Space based products for Water Resources Management (Bhoonidhi/MOSDAC/Vedas)	Mrs. Nidhi Mishra, WRG
13:00-14:00 Lunch Break		
14:00-16:00 hrs	Introduction to Bhuvan and Demo (WBIS, VIC, LU/LC,AIBP, T-WRIS, etc)	Mr Kalyan / Mr Sai Rama Krishna BG&WSG
16:00-16:30 hrs	<b>Valedictory</b>	

<b>AS &amp; DMG:</b> Aerial Services & Digital Mapping Group	<b>NDC :</b> NRSC Data Centre
<b>BG&amp;WSG:</b> Bhuvan Geo-portal & Web Services Group	<b>T EG:</b> Training & Education Group
<b>WRG:</b> Water Resources Group	

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