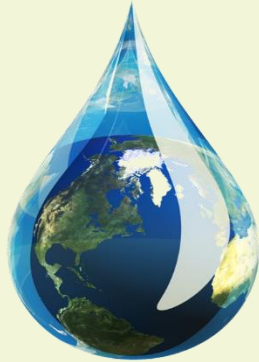


**ONLINE FACULTY DEVELOPMENT
PROGRAMME (FDP)**

On

*Modern Techniques and Tools in Water
Resource Management*

(1st - 12th August, 2022)



Organized by

**E & ICT Academy, NIT Warangal in association with
National Institute of Technology Andhra Pradesh**

**(Sponsored by Ministry of Electronics and Information
Technology (Meit Y), GOI)**



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**ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) on MODERN TECHNIQUES AND TOOLS IN WATER RESOURCE
MANAGEMENT FROM 1st - 12th August, 2022**

Schedule of the Program

| Date & Time | 10.00 to 11.30 a.m. (Session) 11.30 to 11.45 a.m. (Discussion) | 02.00-03.30 p.m. (Session) 03.30-03.45 p.m. (Discussion) |
|------------------------|--|--|
| Aug 1, 2022 | 09.15 a.m. to 10.00 a.m. Inaugural Session 10.00 A.M to 11.30 A.M Speaker Name: Dr. Y. V. Satyajai Rao Topic: Submarine Groundwater Discharge (SGD): Impact on Coastal Ecosystems | Speaker Name: Prof. K. Srinivasa Raju Topic: Multi-criteria decision-making tools for water management |
| Aug 2, 2022 | Speaker Name: Prof. K. Venkata Reddy Topic: Geospatial data and tools for forecasting of flow parameters in basins | Speaker Name: Dr. V. Vamsi Krishna Topic: Application of Hydrological modelling for Planning of Watershed Management |
| Aug 3, 2022 | Speaker Name: Dr. Sanjay Jain Topic: Application of geospatial techniques in water resources | Speaker Name: Dr. C Vinay Topic: Advanced Technologies for River Corridor Research: From Satellite Remote Sensing to Laboratory |
| Aug 4, 2022 | Speaker Name: Dr. Sanjay Jain Topic: Modeling and Management of Water in Future | Speaker Name: Dr. Manali Pal Topic: Application of Data Driven Models in Soil Moisture Retrieval Studies |
| Aug 5, 2022 | Speaker Name: Dr. V. V. Govind Kumar Topic: Flood Mapping using Hydrodynamic model | Speaker Name: Dr. Litan Kumar Ray Topic: Flood frequency analysis under climate change |
| Aug 8, 2022 | Speaker Name: Prof. N. V. Umamahesh Topic: Non-Stationary analysis of hydrological extremes | Speaker Name: Dr. Manish Pandey Topic: Application of Experimental Hydraulics in Water Resources |
| Aug 9, 2022 | Speaker Name: Dr. P. Subbarao Topic: Analysis of Extreme Rainfall Events under the Context of Changing Climate | Speaker Name: Dr. Jew Das Topic: Hydro-Meteorological extremes under climate change |
| Aug 10, 2022 | Speaker Name: Dr. Baranidharan Sudaram Topic: Emerging Contaminants in Water & Wastewater - Role of Decision-Making Tools in arriving at a Framework | Speaker Name: Dr. D. Sathish Kumar Topic: Application of geospatial techniques in flood modelling. |
| Aug 11, 2022 | Speaker Name: Dr. P. Subbarao Topic: Extraction of GCM (Netcdf) data and its analysis using MATLAB | Speaker Name: Dr. T. Reshma Topic: Application of machine learning techniques in LULC mapping |
| Aug 12, 2022 | Speaker Name: Prof. D. Nagesh Kumar Topic: Evolutionary algorithms for Optimal reservoir operation | Valedictory: Feedback & Evaluation |

Break