

ABOUT THE PROGRAM

Water, once regarded as an abundant and self-renewing resource, has emerged as one of the most pressing challenges of our time. Rapid urbanization, population growth, industrial expansion, and the escalating impacts of climate change have placed unprecedented stress on freshwater systems across the globe. In the present global situation, advanced water management is an absolute necessity for survival as the world faces a state of global water scarcity. This training program focuses on advanced water management strategies that treat water as a finite, interconnected resource, bringing together integrated resource planning, climate-resilient technologies, groundwater protection, and circular reuse systems alongside efficient irrigation practices and smart technologies. It emphasizes balancing technological innovation with natural systems to secure a sustainable water future amid climate change and population growth, and examines how smart technologies can help agriculture, cities, and industries dramatically optimize their water use. The program also covers nature-based approaches that absorb stormwater, prevent flooding, and strengthen water stewardship in agriculture, while connecting water conservation directly with energy and food security thereby transforming water from a vulnerable resource into a resilient, circular ecosystem. As the world edges closer to a water stressed future, strengthening institutional and human capacity in advanced water management has become imperative.

CWRDM

ABOUT US

CWRDM is a premier R&D institution in the 'Water sector' established by the Government of Kerala under its Science and Technology Policy in February 1978. Later, the Centre was amalgamated with the Kerala State Council for Science, Technology and Environment (KSCSTE) in its Silver Jubilee Year- 2003. CWRDM has substantially contributed to the scientific hydrologic studies and water management in the region. Starting with the establishment of data management system for the region, CWRDM has tackled different problems pertaining to watershed development, wetland management, water management for agriculture, forest and urban hydrology, estuarine management, groundwater development, water quality management, irrigation and drainage issues. Over the decades, CWRDM has grown into a multidisciplinary hub, delivering innovative and sustainable solutions for water conservation, utilization and management.



**KSCSTE - Centre for Water Resources
Development and Management (CWRDM)**
An Institute of Kerala State Council for Science, Technology
and Environment, Govt. of Kerala, India

Training Programme on **ADVANCED WATER MANAGEMENT STRATEGIES FOR SUSTAINABLE FUTURE**

**Sponsored
by**

**Department of Science & Technology (DST)
Ministry of Science and Technology,
Government of India**



16-20 November 2026

**CWRDM,
Kozhikode**



CORE AREAS

- **Integrated Water Resources Management**
- **Climate resilience and water security planning**
- **Groundwater recharge and aquifer management**
- **Watershed and river basin management**
- **Water reuse, recycling, and circular water systems**
- **Smart water agricultural technologies and monitoring**
- **Water policy, governance, and institutional frameworks**
- **Community-based water management**

For more information kindly contact:

COURSE DIRECTOR

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HOW TO APPLY

The participants need to register and upload the filled nomination form along with the recommending officers signature through the DST portal (<https://training.dst.gov.in>). The number of participants is limited to 25 and seats will be filled on first come first serve basis, so please register early to secure a seat.

SPONSORSHIP

This programme is fully sponsored and funded by the Department of Science & Technology (DST), Government of India. Nominating institutions and participants are not required to pay any programme fee. Bording and lodging will be arranged by the organizers. However, the nominating institutions are required to bear the travel expenses of the nominated participants.

Note:

- Age Limit for Participation: Not more than 55 years (as on 1st July of the current Financial Year)
- One participant can attend only one Training program in each Training Calendar.

TARGET PEOPLE

Prospective participants includes Scientists holding scientific posts/working in Scientific Ministries/ Departments of Govt. of India and State Governments, Autonomous Institutions/Public Sector undertakings of Central/State Governments, Research and Development Institutions/Research Laboratories of Central/State Governments, Central/State universities, State Science Technology Councils. Academicians/ Professors who are having PhD / M.Tech degrees and actively involved in research & development will be selected as participants to the program.

IMPORTANT DATES

LAST DATE FOR NOMINATIONS

Friday, October 24, 2026

This program attracts a large number of nominations. The participant needs to register their name through the DST Portal and intimate us about the same as early as possible.

CONFIRMATION TO PARTICIPANTS

Saturday, October 31, 2026