Central Water Commission National Water Academy

Online Training Program on
'Introduction to Google Earth Engine and its Application in Water Resources Sector'
(16-27 March 2026)

Introduction

Google Earth Engine (GEE) is a platform for planetary scale geospatial analysis which is useful for translating geospatial datasets into meaningful analytics. GEE leverages Google's extensive cloud infrastructure to present several varied applications. GEE is free for non-commercial use and there is no additional software license that is required.

This training program is designed for water resources professionals who have basic knowledge of Remote Sensing, GIS and Computer Programming but are new to GEE platform

Program Contents

- Overview of RS & GIS Technologies
- Overview of GEE
- Working with Raster data using GEE
- Working with Vector data using GEE
- Application of GEE for waterbodies extraction and mapping, Reservoir sedimentation monitoring, Semi-supervised LULC classification, Flood Mapping & Monitoring, Drought Monitoring etc.
- Introduction to GEE Apps

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Program Format

Online lecture modules with flexi-time approach through the NWA e-Learning Portal. Participants are required to complete the modules and assessment tests for receiving the e-certificate.

Who can attend

Water Resources professionals from the Centre/State Government departments and all other stakeholdes interested in the subject

Fee

There is no course fee

Registration

Fill in the Google form using the link given below on or before 13.03.2026

https://forms.gle/JPzY7TN9c16b2Lo69

For any further information please contact:
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