

**DEPARTMENT OF CIVIL ENGINEERING,  
COLLEGE OF ENGINEERING TRIVANDRUM  
Thiruvananthapuram**

**Short Term Online Training Program for Implementing Agencies under DRIP**

**Program : Assessment of Embankment Dam Failure and Remedial  
Measures**

**Duration: November 23 to 24, 2020 (2 days)**

**Coordinator:** Dr. Jaya.V.  
Professor  
Department of Civil Engineering,  
College of Engineering, Trivandrum  
drjayav@cet.ac.in, jayasraj@gmail.com  
Ph: +91 8547111246

**Resource Persons**

- 1.. Dr. K. Balan, Professor in Civil Engineering(Retd.), College of Engineering, Trivandrum.
2. Dr. Jaya V., Professor of Civil Engineering, College of Engineering Trivandrum
3. Dr. Biju Longhinos, Professor in Geology, University College, Trivandrum
4. Dr. Sivakumar Babu G. R. Professor in Civil Engineering, IISc Bangalore, President, IGS
5. Er. Arun C, Assistant Engineer, Irrigation Department, Government of Kerala
6. Dr. Jayamohan.J. Professor in Civil Engineering, LBS College of Engineering Trivandrum
7. Dr. Sudheesh, Assistant Professor in Civil Engineering, IIT Palakkad

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**Name of Course : Assessment of Embankment Dam Failure and Remedial Measures**

**Two Day- Training Programme (23.11.2020 to 24.11.2020)**

<b>Date /Day</b>	<b>9.30-10.30</b>	<b>11.30-12.30</b>		<b>2.00-3.00</b>		<b>3.30-4.30</b>
<b>23/11/2020 (Monday)</b>	<b>Embankment Dam Failure: Classification and case studies (Dr. K. Balan, Rtd. Prof. CET)</b>	<b>Case studies of seepage through Dam foundation and Remedial measures (Dr. Biju Longhinos, Prof., University College, TVM)</b>	<b>Break</b>	<b>Seepage monitoring &amp; Remediation (Dr. Sivakumar Babu, IISc Bangalore, President, IGS)</b>	<b>Break</b>	<b>Calculation of Liquefaction Potential &amp; Deformation Estimation of Earthen Dams during earthquakes (Dr. Jaya V, CET)</b>
<b>24/11/2020 (Tuesday)</b>	<b>Stability Analysis of Earth Dams using Plaxis software (Dr. Jayamohan J, Prof, LBS College of Engg, TVPM)</b>	<b>Stability Analysis of Earth Dams using Plaxis software (Dr. Jayamohan J, Prof, LBS, TVPM)</b>		<b>Seepage Analysis using Software Geostudio (Dr. Sudheesh, Assistant Prof. IIT Palakkad)</b>		<b>Seismic Stability Analysis of Embankment Dams (Er. Arun C, Dept. of Irrigation, Kerala)</b>