



FDP Application Number: 1716023321

Title of the FDP: "Geographic Information System and Remote Sensing for Water Resources Management" (GISRSWRM-2025)

FDP Start Date: 6th January 2025



Schedule of BASIC FDP



FDP End Date: 11th January 2025

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
9:00 – 9:30 Inauguration					
9:30 – 12:00 Session 1 1. Name of the Expert: Dr.D.G. Regulwar 2. Designation: Professor 3. Organization: Department of Civil Engineering, GEC, Chh.Sambhajinagar 4. Experience in Years: 34 Topic to be taught: Analysis for Urban flood modeling.	9:30 – 12:00 Session 3 1. Name of the Expert: Dr.K.B.V.N Phanindra 2. Designation: Associate Professor 3. Organization: Department of Civil Engineering (IIT) Hyderabad. 4. Experience in Years: 21 Years 5. Topic to be taught: Need of RS & GIS approach in water resources.	9:30 – 12:00 Session 5 1. Name of the Expert: Dr. Ashwini Mirajkar 2. Designation: Associate Professor & Associate Dean (Infrastructure) 3. Organization: Department of Civil Engineering, VNIT, Nagpur. 4. Experience in Years: 18 5. Topic to be taught: Data acquisition for RS & GIS Software.	9:30 – 12:00 Session 7 1. Name of the Expert: Dr. Reshma Raskar Phule 2. Designation: Assistant Professor 3. Organization: Department of Civil Engineering, SPCE, Mumbai. 4. Experience in Years: 16 5. Topic to be taught: Formulation of problems and the applicability of various RS & GIS techniques.	9:00 – 1:00 Industrial visit 1. Name of the Organization: Water and Land Management Institute (WALMI), Chh.Sambhajinagar 2. Complete address: Paithan Road, Kanchanwadi, Chh.Sambhajinagar 3. pincode: 431005 4. Industry Type: An Autonomous Institute of Govt.of Maharashtra. 5. Area of specification: Water and Land Management	9:30 – 12:00 Session 10 1. Name of the Expert: Dr.D.G. Regulwar 2. Designation: Professor 3. Organization: Department of Civil Engineering, GEC, Chh.Sambhajinagar 4. Experience in Years: 34 5. Topic to be taught: Dam capacity determination.
12:00 – 1:00 Article Discussion 1. Title of the Research Paper: Effects of Land Cover Change on Surface Runoff Using GIS and Remote Sensing: A Case Study Duhok Sub-basin 2. Name of the journal: Environmental Remote Sensing and GIS , Springer 3. Year of Publication: 2020	12:00 – 1:00 Article Discussion 1. Title of the Research Paper: Machine Learning-Based Estimation of High-Resolution Snow Depth in Alaska Using Passive Microwave Remote Sensing Data 2. Name of the journal: IEE 3. Year of Publication: 2023	12:00 – 1:00 Article Discussion 1. Title of the Research Paper: Flood hazards and susceptibility detection for Ganga river, Bihar state, India: 2. Name of the journal: Results in Engineering- Elsevier 3. Year of Publication: 2023	12:00 – 1:00 Article Discussion 1. Title of the Research Paper: Estimation of groundwater potential zones using RS and GIS Technique- Waghai Taluka, Dang district, Gujarat, Western India 2. Name of the journal: Environmental Challenges -Elsevier 3. Year of Publication: 2022		12:00 – 1:00 Article Summary
1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch
2:00 – 4:30 Session 2 1. Name of the Expert: Prof.Venkata Reddy Keesara 2. Designation: Professor 3. Organization: Department of Civil Engineering, NIT, Warangal 4. Experience in Years: 28 5. Topic to be taught: Concepts of GIS modelling	2:00 – 4:30 Session 4 1. Name of the Expert: Prof.Raaj Ramsankaran. 2. Designation: Professor 3. Organization: Department of Civil Engineering, IIT, Bombay. 4. Experience in Years: 20 5. Topic to be taught: Watershed Management using RS & GIS tools.	2:00 – 4:30 Session 6 1. Name of the Expert: Dr. P.R. Sarda 2. Designation: Sub.Divisional Engineer 3. Organization: Water Resources Dept. Govt.of Maharashtra. 4. Experience in Years: 17 5. Topic to be taught: Demonstration / Tutorial on IoT for Agriculture.	2:00 – 4:30 Session 8 1. Name of the Expert: Dr. A.S. Pathan 2. Designation: Associate Professor 3. Organization: Department of Civil Engineering, DIEMS, Chh.Sambhajinagar 4. Experience in Years: 18 5. Topic to be taught: GIS/RS for Hydrologic/Hydraulic Assessment & various software's/models in WRM	2:00 – 4:30 Session 9 1. Name of the Expert: Dr. S.D. Shinde 2. Designation: Assistant Professor 3. Organization: Department of Civil Engineering, DIEMS, Chh.Sambhajinagar 4. Experience in Years: 18 5. Topic to be taught: Delineation of various maps with GIS Software.	2:00 – 4:00 MCQ & Reflection Journal
4:30 – 5:30 Hands on training /Labs Demo / Hands on session on QGIS Software- by Er. Sandip Pawar, RS & GIS Expert, Pune.	4:30 – 5:30 Hands on training /Labs Demo / Hands on session on LULC maps in QGIS- by Er. Sandip Pawar, RS & GIS Expert, Pune.	4:30 – 5:30 Hands on training /Labs Demo / Hands on session on Reservoir capacity calculation with RS, GIS and QGIS- by Er. Sandip Pawar, RS & GIS Expert, Pune.	4:30 – 5:30 Hands on training /Labs Demo / Hands on session on Delineation of watershed using QGIS- by Dr.A.S. Pathan, DIEMS, Chh.Sambhajinagar	4:30 – 5:30 Hands on training /Labs Demo / Hands on session on watershed modelling for dam construction by Dr.S.D. Shinde, DIEMS, Chh.Sambhajinagar	4:00 – 5:00 Valedictory Session