

Workshop on
GIS Application and Spatial Data Analysis for Water Management
At CEWRE, UET Lahore

The Centre of Excellence in Water Resources Engineering, University of Engineering and Technology, Lahore organized a two-days (16-17 July, 2019) workshop on “GIS Application and Spatial Data Analysis for Water Management”.

The resource persons included Dr. Ghulam Nabi from CEWRE, UET, Lahore, Dr. Hammad Gillani from the Institute of Space Technology Islamabad and - Muhammad Asif Javed from Punjab University Lahore. The workshop was a combination of theoretical discussions and hands-on practice. The main topic discussed during workshop included GIS and Remote Sensing application in water resources management, Introduction to GIS Data Standardization, Multi-Criteria Analysis, Analytic Hierarchy Process (AHP) Technique, Introduction to Google Earth Engine and datasets, Basic JavaScript syntax and earth engine code platform and editor, Satellite image visualization and metadata , Mathematical operations and spectral indices (NDWI, NDSI, etc.), Satellite images classification and change analysis.

Prof. Dr. Mansoor Sarwar, Vice-chancellor UET Lahore was the Chief Guest of the concluding ceremony. In his concluding remarks, the Vice-chancellor appreciated the CEWRE faculty and staff for successful conduct of the workshop. He encouraged to carry out such activities for capacity building of professionals and young engineers working in the water sector. He emphasized that CEWRE can play an important role in solving the water-related issues of the country

While addressing the audience Director CEWRE Prof. Dr. Noor Muhammad Khan highlighted the importance of water management and the use of GIS and Remote Sensing technology to solve the complex problems related to water resources planning and management. The Director also showed his resolve to enhance the capacity and capability of professionals and young scientist by conducting such workshop, seminars, and training in different aspects of water resources, in coming days.

