



SHAHRUKH KHAN

WATER RESOURCES ENGINEER (PEC NO. CIVIL/48239)

WORK EXPERIENCE

NED University of Engineering and Technology–Lecturer

(Aug, 2019– to Date)- (Pers No. 3855)

- Developed Coastal DEM for Tsunami Hazard Assessment for Karachi and Gwadar
- Developed Rainfall-runoff Model of Neelum Basin using HEC-HMS and HEC-RAS models
- Assessed Transboundary Hydrologic Impact of Designed Structures in Upper Indus Basin Under the Purview of Indus Water Treaty
- Developed Geospatial database of Major Storm Water Drainage network of Karachi

Osmani and Company Pvt. Ltd, Karachi –Water Resources Engineer

(Oct, 2017–Aug, 2019)

- Planned and Designed Storm Water Drainage and Sewerage Systems in conformity with international design standards, requirements and guidelines
- Developed a simulated Hydraulic Model of Karachi Bulk Water Supply Scheme-KIV

EDUCATION

NED University of Engineering & Technology, Karachi

M. Eng. (Water Resource Engineering) CGPA 3.61
(2021)

NED University of Engineering & Technology, Karachi

B. Eng. (Civil Engineering) CGPA 3.47
(2017)

SKILLS

Industry Knowledge:

Hydrology, Hydraulics, Water Quality Management, Irrigation System Design, Information Modelling, Integrated Water Resources Management, Contracts, and Agreement

Tools and Technologies:

AutoCAD, Autodesk Civil 3D, Autodesk Infracore, ARCSWAT, HEC-HMS, SWMM, HEC-RAS, SewerGEM, WaterGEM, Surfer, R Software, ArcGIS 10.1, QGIS 3.10, Ms Office

Programming Languages:

C#, R

Interpersonal Skills:

Leadership, Research, and Verbal Communication

LANGUAGES

English, Urdu, Sindhi, Chinese (Basic)

PROFILE

An initiative driven qualified Water Resources Engineer with expertise in 'Geographic Information Systems (GIS)' and 'Hydrological Modelling'. Hands-on experience in design strategies leading towards sustainable and integrated design. Around four years of progressive experience in both Academic and Industrial domains. Strong Research and Analysis skills.



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