

Umer Salam

Date of Birth 8th February, 1988
Gender Male
Email umer.salam01@gmail.com
Phone +91 9906506904
S/O Abdul Salam Kumar
Address Chatapora, Pulwama – J&K (India)
PIN Code 192301



Education

09/2013 - Present	PhD (Part time) National Institute of Technology, Srinagar, J&K, India	Hydraulic Structures
06/2011 – 05/2013	Master of Technology National Institute of Technology, Srinagar, J&K, India	Structural Engineering CGPA 8.018 on a scale of 10
06/2006 – 07/2010	Bachelor of Technology National Institute of Technology, Srinagar, J&K, India	Civil Engineering CGPA 8.538 on a scale of 10

Teaching Experience

- 1.10/2016 – now, full time (substantive basis) lecturer at the Department of Technical Education (DTE & SD)/Skill Development, Government of Jammu and Kashmir, India. Involved in **teaching** 1st to 3rd (1st Semester to 6th Semester) year fundamentals, theory and lab classes for surveying, fluid mechanics, concrete technology, structural design, and hydraulics.
- 2.09/2013 – 09/2016, associated with **teaching** various UG (Irrigation and Hydraulic Struct., Fluid Mech., Concrete Tech., Tunneling Tech.) and PG level courses (Hydraulic Struct., Advanced Concrete Tech.) in Civil Engineering Department of the National Institute of Technology (NIT, Srinagar, J&K).
- 3.18-08-2011 to 31-07-2013 associated with **teaching** various UG and PG level courses in Civil Engineering Department of the National Institute of Technology (NIT, Srinagar, J&K).

Publications

1. Composition Characterization of filter material for Embankment Dams; **Salam U**, Lone M Akbar. *i-managers journal of Civil Engineering* Vol-11, No. 02, March-May-(2021).
2. A Case Study on Utilization of Waste Plastic and fly ash in Paving Blocks; Mohd Tehseen Dar, **Salam U**, (2019)
3. Seismic Hazard Analysis of Southern Srinagar, Kashmir Valley; Idrees M, Manzoor B, **Salam U**. *Soil Dynamics and Earthquake Engineering*: (2019)
4. Liquefaction Potential and Liquefaction Hazard Analysis of Srinagar City, Kashmir Valley; Mohammad Idrees, Tawseef Ahmad Gilani, **Salam U**. (2017)
5. Evaluation and strengthening of reconstructed roads excavated for utilities using Benkelman beam Deflection technique (BBD)-a case study; **Salam U**, Khan A, Mir MS, Rashid T. *International Journal of Civil Engineering and Technology*: 06(1), pp 27-38, (2015).
6. Compressive strength of concrete using natural aggregates (gravel) and crushed rock aggregates” a comparative case study' Chat Z, **Salam U**, Bashir S. *International Journal of Civil Engineering and Technology*: 06(1), pp 21-26, (2015).
7. Behavior of timber beams provided with flexural as well as shear reinforcement in the form of CFRP strips. Bhat JA, Bhat J Ahmad, **Salam U**. *International Journal of Advanced Research in Engineering and Technology*: 04(6), pp 153-165, (2013).

Field Experience

1. 01/2013 – 12/2013: Junior Engineer (**JE-PW[R&B]**) Public Works (Roads and Buildings) department.
2. 07/2010 – 04/2011: Worked as Engineer (Execution) with Afcons Infrastructures Limited in Sangaldhan, Ramban, J&K with Konkan Railway Corporation Limited in their J&K Rail Link Tunnel Project.
3. 12/2007 – 02/2008 Completed 6 weeks practical training through ERA (Economic Reconstruction Agency) on an **Asian Development Bank** funded road project (**Handwara-Zachaldara-wadder**) Road located in district **Kupwara**. I got an extensive training in conducting surveys like taking road cross sections, L-sections and estimate the quantities of earth work etc. I got a practical know-how about earth retaining structures like construction of

Retaining walls both in RCC and Masonry, laying of GSB (Granular Sub-Base), construction of culverts and minor bridges.

Professional Experience

1. PhD course work of 10 credits (Embankment dams, Research Methodology, Water resource systems, and Seminar). – 2013 to 2014
2. M-Tech. project work entitled, 'Seismic assessment of asymmetric buildings using static non-linear/Pushover analysis'. - 2013
3. B-Tech. Project work entitled, 'Design of overlay for re-constructed road pavements excavated for laying of utilities'. - 2010
4. 2 months practical training at Indian Railway Construction (IRCON) on a **Government of India** funded road project (**Qazigund-Baramulla New Broad Gauge Rail Line Project**). – February 10, 2008 to April 12, 2008.

Affiliations & Memberships

1. Student Member of American Society of Civil Engineers (ASCE).
2. Student Member of American Concrete Institute (ACI).
3. Associate Member of Institution of Engineers India (IEI).
4. Student member of Autodesk Inc.

Engineering Software Skills

1. STAAD PRO V8I
2. Auto CADD
3. SAP 2000 (V8I)
4. ETABS

References

1. **Dr. M. Akbar Lone**
Professor and Head
Department of Civil Engineering
National Institute of Technology (NIT),
Srinagar – India
Email: professorlone@nitsri.net
Ph: +91 9419019381
2. **Dr. Shabir Hassan,**
Group leader and Scientist at
Harvard Medical School and
HST of Harvard and MIT
Email: shaha@mit.edu,
shassan@bwh.harvard.edu
Ph: +1646 684 0398