



Department of Building Engineering and Construction Management  
Khulna University of Engineering & Technology  
Khulna - 9203, Tel:041-769471 (191); Fax :041-774403



**Sm. Arifur Rahman**

Assistant Professor

**Research Area** Effect of Infill Wall Opening on Frame Structures (Current Research)  
Study on the Changes of Hydraulic Conductivity of Clay Liner

## Biography

Welcome to my homepage of personal profile in the university website. You can explore some experience that I have acquired through my life. I will request the viewers to see the other sections of my profile also. I am Sm. Arifur Rahman, functioning as a Lecturer in the department of Building Engineering and Construction Management at Khulna University of Engineering & Technology (KUET) from April 5, 2015. This department takes huge challenges to build such career in Bangladesh. Building engineers will serve design, construction, supervision, maintenance, safety, repair and reconstruction of buildings. This is a very new department in Bangladesh and the graduates will have great opportunities for their career in the real state finance, construction management and design of different buildings. I was bestowed B.Sc. in Civil Engineering from Khulna University of Engineering & Technology (KUET) in November 5, 2014 with major Structural Engineering. I am having 14 technical publications of which three papers are published in international journals and the rest are published in international conferences. KUET is a land of gaining and developing massive research idea and applications. My research interests include fracture mechanics, Finite Element Modeling in ANSYS and ABAQUS, Analysis of concrete behavior by electric measurements and Crack behavior of soil by MATLAB image processing.

## Education

### B.Sc. in Civil Engineering

Khulna University of Engineering & Technology (KUET), (2014) Group: Civil Engineering,

### High School Certificate (H.S.C)

Notre Dame College, Dhaka, Bangladesh., (2009)

### Secondary School Certificate (S.S.C)

Military Collegiate School Khulna, Bangladesh (2007) Group: Science,

## Service Records

- **Lecturer**

**Department/Section:** Environmental Engineering

**European University of Bangladesh** From 01-01-1970 to 01-01-1970

- **Lead Research Engineer**

**Department/Section:** Environmental Engineering

**Basha Research Corporation** From 01-01-1970 to 01-01-1970

Working Area: Bangladesh

Responsibility: Development of Biomass Based Renewable Energy by Increasing the Thermal Efficiency Using Computer Methods

- **Lecturer**

**Department/Section:** Building Engineering and Construction Management

**Khulna University of Engineering & Technology (KUET)** From 01-01-1970 to 01-01-1970

## Research Interest

### Effect of Infill Wall Opening on Frame Structures (Current Research)

### Study on the Changes of Hydraulic Conductivity of Clay Liner

Clay Liner, MATLAB Image Processing Algorithms, Permeability, Neural Network

Undergraduate thesis based research work.

## Publication

### Books

### Journals

1. Hasan, M. R., Rashid, M. H. and Alam, S. M. A. R. a. S. (2013), "Influence of Treated Water on the Early Age Autogenous Shrinkage of Cement Paste," **International Journal of Advanced Structures and Geotechnical Engineering**, Basha Research Corporation (BRCROP), vol.02, no.01

### Conference

2. Hasan, M. R. and Rahman, M. H. R. a. S. M. A., "Determination of Setting Time from Electrical Resistivity of Cement Paste," **International Conference on Civil Engineering & Sustainable Development 2013**, Department of Civil Engineering, KUET, pp.177

1. Rahman, S., Akid, A. and Alamgir, M. (12 February, 2015), "Evaluation of Landfill Clay Liner Based on Permeability & Crack Intensity Factor Using MATLAB Image Processing and Artificial Neural Network," **Waste Safe 2015**, Department of Civil Engineering, KUET, pp.179