



## Biography

kuet

### Md. Abu Safayet

Assistant Professor

**Research Area** Facilities Management  
Construction Management Sustainable  
Development Building Information Modeling  
(BIM)

## Education

### B.Sc. Eng. in Building Engineering and Construction Management

Khulna university of Engineering & Technology, Bangladesh (2018) Group: BECM, Student Type: Regular,

### Higher Secondary Certificate

Rajshahi Govt. City College, Bangladesh (2013) Group: Science, Student Type: Regular,

### Secondary School Certificate

Kirtipur High School, Naogaon, Bangladesh (2011) Group: Science, Student Type: Regular,

## Service Records

- **Assistant Professor**  
**Department/Section:** BECM  
**Khulna University of engineering & Technology** From 01-01-1970 to 01-01-1970
- **Lecturer**  
**Department/Section:** BECM  
**Khulna University of engineering & Technology** From 01-01-1970 to 01-01-1970

## Research Interest

### Facilities Management

### Construction Management

### Sustainable Development

### Building Information Modeling (BIM)

## Publication

### Books

### Journals

8. (2023), " On the utilization of rice husk ash in high-performance fiber reinforced concrete (HPFRC) to reduce silica fume content," **Construction and Building Materials**, Elsevier, vol369
7. (2023), " Using rice husk ash to imitate the properties of silica fume in high-performance fiber-reinforced concrete (HPFRC): A comprehensive durability and life-cycle evaluation," **Journal of Building Engineering**, Elsevier, vol76
6. (2023), " Performance evaluation of high-performance self-compacting concrete with waste glass aggregate and metakaolin," **Journal of Building Engineering**, Elsevier, vol67
5. Islam, M. H., Safayet, M. A. and Mamun, A. A. (2022.), " Building Performance Analysis for Optimizing the Energy Consumption of an Educational Building," **International Journal of Building Pathology and Adaptation**, Emerald Publishing (Online)
4. (2022.), " Performance Assessment of Various Seismic Resistant Systems for a Multistory Structure in Different Seismic Zones of Bangladesh," **Journal of Engineering, Design and Technology**, Emerald Publishing (Online)
3. Hoque, M. I., Safayet, M. A., Rana, M. J., Bhuiyan, A. Y. and Quraishy, G. S. (2021.), " Analysis of Construction Delay for Delivering Quality Project in Bangladesh," **International Journal of Building Pathology and Adaptation**, Emerald Publishing, vol41, No. 2, pp.401 - 421
2. Safayet, M. A. and Anam, M. R. a. S. A. (2021.), " Development of Building Information Modeling (BIM)-based Real-time Fire Alert System to Reduce Fire Impact in Bangladesh," **Jordan Journal of Civil Engineering**, vol15, no.3, pp.421-434
1. Safayet, M. A. and Ahmed, M. H. I. a. S. (2018.), " A Case Study on Risk Management in Existing Construction Project in Bangladesh," **Journal of Logistics, Informatics and Service Science, ISSN 2409-2665**, vol5, No. 1, pp.1 - 16

