



# Jushan Abdullah Babar

Student & Independent  
Researcher

## Specializations

- Environmental Impact Assessment
- Nonconventional building technique
- Economic Life Cycle Assessment
- Reusable construction materials

## Competencies

- Good communication skills
- In-depth knowledge of concrete materials
- High ethical standards
- Professional pitcher
- Efficient brainstormer
- Polyglot

## Education

- CUET, Chittagong

*Bachelor of Science, Civil  
Engineering | Feb 2019-present*

## Contact

SMS Hall, CUET, Kaptai Road,  
Chittagong - 4349, Bangladesh  
Email: jushan.abdullah@yahoo.com  
LinkedIn: jushan-abdullah-0b4b19150

## Introduction

I'm Jushan Abdullah Babar Aff.M.ASCE, a UG student at CUET studying Civil Engineering, & an independent researcher. I take a particular interest in modeling environmental & economic impact assessment frameworks, sustainable energy, construction materials, and the built environment using different algorithmic measures by integrating Machine & Deep Learning. I find extreme pleasure in networking with students on and off campus. Currently, I'm working with the ACI Student Chapter - CUET as the Assistant Secretary. I have a dream, to conduct more national students gathering events in Bangladesh, through ACI-CUET.

## Achievements

- **Best Paper Award in Structural Engineering 6th International Conference on Civil Engineering for Sustainable Development, KUET | 2022**

Presented my research work on the Service Life & Environmental Performance Simulation of concrete structures at the ICCESD 2022, KUET. The research work came out to be the best in the respective discipline.

- **Global Champion**

### **ACI Eco Concrete Competition | 2021**

My team & I represented CUET at the 2021 ACI Eco Concrete Competition. We modelled an innovative mixed design with the least environmental impacts while maintaining increased service life. Which will pave the path to fulfilling SDGs 9, 12 & 13.

## **Technical Experience & Peer Reviewing**

- **Associate Member**

### **Technical Committee 130, American Concrete Institute | 2022-onwards**

I was appointed as an associate member of the ACI Committee 130, Sustainability of Concrete, on 25th January 2022.

- **Commission Member**

### **Young Members Group, Fédération internationale du béton (fib) | 2022-onwards**

I was appointed to the YMG commission of the fib on 23rd July 2022.

- **Paper Reviewer,**

### **Scientific Committee, fib International Symposium on Conceptual Design of Structures Oslo 2023 | 2022-onwards**

I was selected a paper reviewer from the YMG Commission of fib, for its symposium on conceptual design on 28th September 2022.

## **Professional Memberships**

- **Affiliate Member, American Society of Civil Engineers Aff.M.ASCE**
- **Student Member, American Concrete Institute (ACI)**
- **Student Member, Fédération internationale du béton (fib)**

## **Publications: Conference Proceedings & Presentations**

Islam, G. M. S., Jahan, I., Hameem, M. M., Mahmud, T., Abdullah, J., Ishmum, M. M., Alam, M. (2022). Service Life and Environmental Performance Simulation of Concrete Structure Using SCMs as Partial Replacement of OPC. In AIP Conference Proceedings. 6th International Conference on Civil Engineering for Sustainable Development 2022 (ICCESD 2022). AIP. (in Print)

## **Certifications & Courses**

- **Diplôme d'études en langue française B1 (DEL F B1)**

**Ministère de l'Éducation nationale, de la Jeunesse et des Sports,  
France | December 2022**

- **Hult Prize Pitch Course (HPCP01)**

**Hult Prize Foundation | January 2021**

- **International English Language Testing System (Band 7 | C1)**

**British Council | August 2017**