

## **Saif Al-Afsan Shamim**

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BUET, Dhaka-1000



## **Career Objective**

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I wish to establish my career as a faculty in reputed university as because I have strong desire for research work, and I feel comfortable in teaching students. I have special interest for research in the field of heat transfer, fluid dynamics and nanomaterials. I am willing to take responsibility for the quality of teaching delivered and to make necessary changes to improve quality and maintain standards.

## **Education**

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- M.Sc. in Mechanical Engineering  
Institute: Bangladesh University of Engineering & Technology, Dhaka, Bangladesh Present Condition: Ongoing
- Bachelor of Science in Mechanical Engineering  
Institute: Bangladesh University of Engineering & Technology, Dhaka, Bangladesh Present Condition: Graduated on 27<sup>th</sup> April 2019.  
CGPA: 3.90(3<sup>rd</sup> Position)
- Higher Secondary Certificate (Science)  
Institute: Chattogram College, Dhaka. Year: 2014.  
GPA: 5:00
- Secondary School Certificate (Science)  
Institute: B.N School & College, Chattogram. Year: 2011.  
GPA: 5.00

## Research Experience

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The research titled “A Molecular Dynamics Study of Thermal Conductivity of Single Layer Graphene Under Various Geometric and Environmental Conditions” was carried out which describes the variation of thermal conductivity of a single layer Graphene sheet with changing length, width, defect density and temperature.

## Academic Projects

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- ❖ Android Controlled Room Cleaning Robot
- ❖ Double Tube Heat Exchanger

## Technical Skills

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- ❑ **Software** : SolidWorks, AUTOCAD, MATLAB, Office package, LAMMPS, Ovito, Tec plot, Adobe Lightroom.
- ❑ **Programming Language:** C, C++.

## Training & Achievements

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- ★ Attachment as trainee for 3 weeks at KAFCO BD.
- ★ Participant in ‘BUET Rostrum’
- ★ Two times champion of ‘ME Fest Mechanics Olympiad’

## Personal Attributes

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- ⊙ Hard working and motivated to do research
- ⊙ Enriched technical skills and strong basic background in mechanical engineering
- ⊙ Excellent presentation skills
- ⊙ Possess good interpersonal, oral, and writing skills

- ⊙ Have comprehensive ideas of curriculum developments and industry developments
- ⊙ Excellent time management skills to ensure targets are met and plans completed

### **Organizing & Skill Development Experience**

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- ⊙ Member, BUET Robotics Society
- ⊙ Member, BUET Nuclear Engineering club.
- ⊙ Member, 'MMMRN' BUET
- ⊙ Member and blood donor, 'Badhon BUET'
- ⊙ Member, BUET Career Club, BUET Drama Society, Kontho BUET

### **Language Competency**

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- Bangla (Mother Tongue)
- English (Second Language)
- Hindi (Basic)

### **References**

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1. Dr. A.K.M Monjur Morshed (Thesis Supervisor)  
Associate Professor  
Bangladesh University of Engineering & Technology  
Email: monjur\_morshed@me.buet.ac.bd
2. Dr. Mohammad Ali  
Professor  
Bangladesh University of Engineering & Technology  
Email: mali@me.buet.ac.bd
3. Dr. Sumon Saha (Advisor)  
Associate Professor  
Bangladesh University of Engineering & Technology  
Email: sumonsaha@me.buet.ac.bd

4. Dr. Md. Ashiqur Rahman  
Associate Professor  
Bangladesh University of Engineering & Technology  
Email: ashiquurrahman@me.buet.ac.bd

## Personal Information

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Father's Name : Md. Salim Uddin

Mother's Name : Hosnara Begum

Date of Birth : 04 August 1997

Marital Status : Single

Nationality : Bangladeshi by birth

Religion : Islam

Gender : Male

Blood Group : B (+ve)

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District: Chittagong