

Deeptonil Roy

IELTS Score: 7.5

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Education

Jan 2018 - June 2023

Bachelor of Science

Chittagong University of Engineering and Technology

Major: Civil Engineering

GPA: **3.04/4.00** (39th out of 131 students)

June 2015- May 2017

Higher Secondary Certificate

Group: Science

Notre Dame College

GPA: **5.00/5.00**

Jan 2013-Apr 2015

Secondary School Certificate

Group: Science

Comilla Zilla School

GPA: **5.00/5.00**

Thesis

Jan 2023

Meteorological drought pattern of Bangladesh under changing climate.

9th International Conference on Water and Flood Management-ICEMAN 2023
Dhaka, Bangladesh. ISBN- 978-984-35-4948-8

Drought needs to be explained spatially to understand its spatiotemporal variations in different areas. In my project, the meteorological drought was shown using the Standardized Precipitation Index (SPI) method and illustrated through the Inverse Distance Weighted (IDW) method across Bangladesh. We used rainfall data from 23 meteorological stations in Bangladesh during the study period of 1966–2022. For SPI calculation I used a data analysis software named R Studio. IDW and meteorological drought mapping were done in ARC GIS.

Check it out [here](#).

Technical Skills

Language

- Bangla: Native speaker
- English: IELTS Score
 - Listening- 8.0
 - Reading- 7.5
 - Writing- 7
 - Speaking- 6.5

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| Software | <ul style="list-style-type: none"> ● Arc-GIS ● Microsoft Office, MS Word, MS Excel ● R-Studio ● Auto CAD |
| Soft Skills | <ul style="list-style-type: none"> ● Able to work productively and professionally in a dynamic team environment. ● High attention to detail and accuracy. ● Eager to learn, participate, and show initiative. |
| Work experience | <p>Self Employed <i>Freelancer Tutor</i></p> <p>August 2018 – July 2024</p> <ul style="list-style-type: none"> ● Tutored students ranging from grade 8 to grade 12 and Undergraduate. ● Subjects: Physics, Chemistry, Mathematics, Arc-GIS. <p>March 2023 -</p> <p>Internship at Local Government Engineering Department (LGED) <i>Intern Trainee (21 days)</i></p> <ul style="list-style-type: none"> ● Conduct field visits and inspections of the ongoing construction site of bridges/culverts, roads, or buildings in the LGED Chattogram District. ● Field visit and inspection of Kalurghat to Chaktai Road Construction Project under Spectra Group. ● Field visit and inspection of CDA square. ● LGED Laboratory Inspection. |
| Extra-Curricular Activities | |
| January 2023 | CUET Farewell Ceremony, 2023 (Organizer) |
| February 2022 | Revealing the Unseen (Organizer) |
| March 2018 | National Conference on Water Resources Engineering (Organizer) |
| Leadership Activities | |
| January 2022 – January 2023 | <p>CUET Photographic Society <i>President</i></p> <ul style="list-style-type: none"> ● Rendering advice to the Executive Committee and organizing various events and exhibitions. |
| Reference | |
| | <p>Dr. Reaz Akter Mullick <i>Professor</i> Chittagong University of Engineering and Technology Tel: +8801726579679 Email: reazmullick@cuet.ac.bd</p> <p>Dr. Aysha Akter <i>Professor</i> Chittagong University of Engineering and Technology Tel: +88 01713018512 Email: aysha_akter@cuet.ac.bd</p> |