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ACADEMIC BACKGROUND

Bachelor of Science (Engineering.) in Petroleum and Mining Engineering 2014-2018
Chittagong University of Engineering & Technology (CUET) Chattogram,
CGPA: **3.84** out of 4, With Honours (**1st position**) Bangladesh

PROFESSIONAL EXPERIENCE

Faculty member December 11, 2023 -
Assistant Professor Present
Department of Petroleum and Mining Engineering
Chittagong University of Engineering & Technology
▪ Instructed major courses of Mining Engineering

Faculty member July 7, 2019 -
Lecturer December 10, 2023
Department of Petroleum and Mining Engineering
Chittagong University of Engineering & Technology

RUNNING PROJECTS

- **Model Development and Sensitivity Analysis of Geomechanical Properties from Petrophysical Core/Log Data Using Machine Learning Tool**
Project Duration: 2021-2023
Funding authority: Directorate of Research and Extension (DRE), CUET
- **Hybrid Connectionist Models to Assess the Rock Permeability Using Core/Log Data**
Project Duration: 2022-2024
Funding authority: Directorate of Research and Extension (DRE), CUET

PUBLICATIONS

- M.I. Miah, M.A.N. Abir; "**Hybrid Connectionist Models to Investigate the Effects on Petrophysical Variables for Permeability Prediction**"; Lecture Notes in Networks and Systems, Springer Nature, Switzerland, Volume 371, pp. 647–656, 2022.
- Abir M.A.N., Khan A.H.; "**An Analysis of Feasible Mining Method for Coal Extraction in Phulbari Coal Field, Bangladesh**", International Conference on Petroleum Engineering 2019 (ICPE-2019); BUET, Dhaka-1000, Bangladesh.

- Gupta A.S., Sultan M.Z.B, Tanjil S., Abir M.A.N.; "**An Approach to Pipeline Flow Capacity Increment of Karnaphuli Gas Distribution Network**"; International Conference on Petroleum Engineering 2019 (ICPE-2019); BUET, Dhaka-1000, Bangladesh.
- Abedin I., Abir M.A.N., Hussain A., Hasan G.; "**A Study on Deformation of Land and Loss of Vegetation Due to Mining at Barapukuria Coal Mine**"; Journal of Scientific Research (JSR), vol. 11, no. 3, pp. 293-301, Sep. 2019.

AWARDS & SCHOLARSHIPS

- **With Honours**, a degree offered by the university for distinguishable Academic result in Bachelor level
- **Dean's Award**, a title is awarded to recognize outstanding academic achievement throughout the Bachelor program.

PROFESSIONAL DEVELOPMENT TRAINING

Foundation Training For New Teachers 2020
Institutional Quality Assurance Cell (IQAC), CUET

02 February 2020-
05 February 2020

VOLUNTEER EXPERIENCE

Vice-president
CUET Student Chapter, Society for Petroleum Engineers(SPE)

2017

ACADEMIC REFERENCES

Dr. Mohammad Islam Miah

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Department of Petroleum and Mining Engineering,
Chittagong University of Engineering & Technology (CUET), Chattogram 4349, Bangladesh.
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Dr. Kazi Afzalur Rahman

Professor,
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Dr. Md. Sanaul Rabbi

Professor and Head

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