# Nadia Mahjabin,

**Chittagong University of Engineering & Technology,**

**Chattogram, Bangladesh.**

## Personal Info.

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## Education

- **M.Sc. in Energy Technology**, (March,2024).
  CGPA: 3.88 out of 4.0;
  Chittagong University of Engineering and Technology, Bangladesh
- **B.Sc. in Petroleum and Mining Engineering, (2017).**
  Chittagong University of Engineering and Technology, Bangladesh
  CGPA: 3.95 (with honors) out of 4.0;
  Merit Status: 1st

## Award

- *CUET Alumni Scholarship* in 2012,2013, 2015 and 2016 (For obtaining Highest CGPA).
- Technical Scholarship from 2013 to 2017 (Every Semester, For Excellent Results).
- *Prime Minister Gold Medal*, 2017 for obtaining highest CGPA form Mechanical Faculty.

## Research Interests

## Summery

I am a faculty member at Chittagong University of Engineering and Technology (CUET). Since 2017, I have been worked here while serving as a course instructor for undergraduate students in petroleum/mining related theory classes. I must do in-depth research to enrich my academic knowledge in the relevant field and to foster creativity and higher order thinking abilities.

## Training

- Industrial Attachment at Eastern Refinery Limited (Year-2015). Two weeks of industrial attachment training on Refinery process and Unit Operations.
- Laboratory Training at Rock Properties Lab in Bangladesh University of Engineering & Technology (Year-2013)

## Experience

- July, 2017-Till To Date.
  Faculty Member, Department of Petroleum and Mining Engineering, Chittagong University of Engineering and Technology, Bangladesh.
- ✓ During my term, I am teaching undergraduate students on various topics connected to mining and petroleum discipline as a course instructor.

- December,2016
  Super Refinery Pvt. Ltd.
- ✓ Worked as an intern in the Quality Control Lab.

Mine Ventilation and Environmental Engineering, Mine Planning, Mining Systems, Machine Learning in Mining, Energy and Resources, Carbon capture & sequestration, Fluid flow in porous media, Environmental and Risk analysis, Fluid Mechanics.

## Technical Skills
- Programming Languages: C++, Python
- Software: Rockworks, Surpac, Ventsim, Eclipse, DWSIM, Aspen Plus,PVTsim.

## Research Experience
- I have done my undergraduate research on **Feed (Condensate) and Product Characterization of SUPER REFINERY PVT. LTD** and master's research on **Phase Behavior Analysis of a Gas Condensate Reservoir**.

## Publications
- Zaman, B., Iqbal, A., and Mahjabin,N. (2019). *Improved Oil Recovery by Low Salinity Waterflooding Using Numerical Simulation,* International Conference for Petroleum Engineers (ICPE), Dhaka, Bangladesh. ICPE 2019-57
- Rita,N., N., and Mahjabin,N. (2021). *A Study of Alternative Solutions to Harness Flare Gas in Gas Field and Refinery*, International Conference on Mechanical Engineering and Renewable Energy, (ICMERE), Chattogram, Bangladesh.ICMERE2021-P1-101
- Mahjabin*,N., Sultana,K., Islam, M., Karim, M. (2022). *Condensate Characterization: An Approach to Evaluate the Performance of Condensate as a Feedstock in Oil Refinery,* International Conference on Mechanical, Industrial and Energy Engineering (ICMIEE), Khulna, Bangladesh. ICMIEE22-003. scholar.google.com/scholar?cluster=14732527400228207356&hl=en&as_sdt=0,5
- Mahjabin N, Chowdhury P.D., and Sultan, Z.B., (2017), *PONA Calculation and Octane Rating Experiment for Motor Gasoline*, *International Journal of Innovative Research In Technology*, Vol. No.-3, Issue- 10, 9- 12.