

Pranami Bhuyan

Assistant Professor, Mechanical Engineering Department, Jorhat Engineering College, Jorhat

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Experience

02/2025 - Current

Assistant Professor (Mechanical), **Jorhat Engineering College**, Jorhat, Assam

01/2025 - 02/2025

Assistant Engineer (Mechanical), **Public Works Roads Department**,
Sivasagar, Assam

- Performed inspections of finished constructions.
- Monitored construction activities at job sites to ensure adherence to design specifications.

08/2019 - 01/2025

Part Time Assistant Professor, **Golaghat Engineering College**, Golaghat,
Assam

- Courses taught: Fluid Mechanics, Heat and Mass Transfer, Applied Thermodynamics, and Compressor and Gas Turbine.
- Maintained extensive knowledge of current research, ensuring teaching met academic standards.
- Supervised independent research projects by undergraduates.
- CTO of NCC Girls unit of the institute.

Education

Currently pursuing Ph.D. in Mechanical Engineering

DIBRUGARH UNIVERSITY, DIBRUGARH

06/2019

M.TECH IN MECHANICAL ENGINEERING, THERMAL & FLUID ENGINEERING

TEZPUR UNIVERSITY, TEZPUR

07/2016

B.TECH, Mechanical Engineering

KAZIRANGA UNIVERSITY, JORHAT

Certifications

- Management Development Programme on "**Academic Leadership**" under **TEQIP-III** organized by **IIM Shillong** and sponsored by Assam Science and Technology University from 22nd-24th Oct,2019.
- One week short term course on "**Material Characterization and Tribology**" at **Assam Science and Technology University** from 2nd to 6th March,2020.
- Two Week Online Short Term Training Program on "**Green Energy Technologies for Sustainable Development**" jointly organized by **NIT,Kurukshetra & Government Engineering College, Bikaner** from 11th-20th June,2020 under **TEQIP-III**.
- Have undergone 40 hours training on "**MATLAB**" started from 1st February, 2014 by CETPA INFOTECH PRIVATE LIMITED at Kaziranga University, Assam.

Publications

- "**Energetic and Exergetic Performance Comparison of a Hybrid Solar Kalina Cycle at Solar and Solar Storage Mode of Operations**", **P. Bhuyan, P. Borah, and T. K. Gogoi**, *Proceedings of the 7th International Conference on Advances in Energy Research*, Springer Proceedings in Energy, **DOI:**https://doi.org/10.1007/978-981-15-5955-6_69

Skills

- MATLAB Programming Skills
- AutoCAD Design Skills
- SolidWorks
- MATHCAD