



PRAJNA PARMITA

Assistant Professor, Civil Engineering

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- Guwahati

LANGUAGES

Assamese
English
Hindi

SOFTWARE SKILLS

- ArcGIS/QGIS
- SWAT
- HEC-RAS
- MIKE+, MIKE 21C

Professional Experience:

1. Assistant Engineer

Water Resource Department, Govt. of Assam

August, 2020 to February, 2025

2. Assistant Professor, Civil Engineering Dept.

Assam Engineering College

February, 2025 till present

Publications:

- Parmita., P., Bhattacharjya, R. K. (2024). "Estimation of Total Drainable Water Storage Using GRACE in the Brahmaputra River Basin, India." Journal of Hydrologic Engineering, 29(5), <https://doi.org/10.1061/JHYEFF.HEENG-6136>

Education:

1. HSLC (Axam Jatiya Vidyalaya, Noonmati) 2009

2. HSSLC (Cotton College) Guwahati) 2011

3. B.E. CIVIL ENGINEERING

Assam Engineering College | 2011-2015

4. M.Tech Water Resources Engineering & Management

IIT GUWAHATI | 2016-2018

Conference Papers:

- Doley. G., Parmita., P., Baruah. P., Das. B. J., Hassan. K. I. (2024). "Advance 2D Mathematical Modelling for River Erosion Management in Brahmaputra Basin, India." 29th International Conference on Hydraulics, Water Resources, River, and Coastal Engineering.
- Baruah. P., Doley. G., Parmita. P., Das. B. J., Hassan. K. I. (2024). "Advance physics based mathematical modelling methodology for development of Flood forecasting and Early Warning System in sub basins of the Brahmaputra Basin, India." 29th International Conference on Hydraulics, Water Resources, River, and Coastal Engineering.
- Parmita. P., Doley. G., Baruah. P., Das. B. J., Hassan. K. I. (2025) "Planning and Design of Bank Protection Measures using Advance Mathematical Modelling in the Beki River- a Transboundary Tributary of the Brahmaputra in India" 10th International Conference on Water and Flood Management-ICWFM 2025.

Scholarship:

- Erasmus Plus 2017