

CV of Dr. Kasturi Bhuyan

Name: Dr. Kasturi Bhuyan

Designation: Assistant Professor

Address for Communication: (office) Civil Engineering Department, Girijananda Chowdhury
University (GCU), Hathkhowapara, Azara, Guwahati,
Assam, India, 781017

Mobile No.: +91 9707011161

WA No: +91 9707011161

Email: kasturi_ce@gcuniversity.ac.in

Sex: Female

Date of Birth: 11/10/1990

Educational Qualifications:

Sl. No.	Examination Passed	Year of passing	Board / Council / University	Specialization
1	HSLC/10 th Std.	2007	C.B.S.E.	-
2	Diploma	2010	Assam Engineering Institute (S.C.T.E)	Civil Engineering
3	Degree (BE)	2013	Gauhati University	Civil Engineering
4	Master's Degree (M. Tech)	2015	National Institute of Technology Silchar	Structural Dynamics & Earthquake Engineering
5	M. Phil. (Please Specify)	N/A	-	-
6	Ph. D. (Civil Engineering)	2022	Indian Institute of Technology Guwahati	Structural Engineering
7	Post-Doctoral (Please Specify)	N/A	-	-

Languages known: English, Hindi & Assamese

(Read, Write & Speak)

Academic/Administrative Experience: Working in GIMT as Assistant Professor from 15/12/2021.

Departmental/Institutional Responsibilities:

- Departmental Website Coordinator
- Departmental Examination Coordinator
- Faculty In-charge, Concrete Technology Laboratory
- UGC Cell Member, GCU

List of Publications:

Journals:

- [1] Gangolu, J., Kumar, A., Bhuyan, K., & Sharma, H. (June 2022). Performance-based probabilistic capacity models for reinforced concrete and prestressed concrete protective structures subjected to missile impact. *International Journal of Impact Engineering*, 164, 104207. Online ISSN: 1879-3509 <https://doi.org/10.1016/j.ijimpeng.2022.104207>
- [2] Gangolu, J., Kumar, A., Bhuyan, K., & Sharma, H. (July 2022). Probabilistic demand models and performance-based fragility estimates for concrete protective structures

subjected to missile impact. *Reliability Engineering & System Safety*, 223, 108497. Online ISSN: 1879-0836 <https://doi.org/10.1016/j.ress.2022.108497>

- [3] Kishore, K. B., Gangolu, J., Ramancha, M. K., Bhuyan, K., & Sharma, H. (November 2022). Performance-Based Probabilistic Deflection Capacity Models and Fragility Estimation for Reinforced Concrete Column and Beam Subjected to Blast Loading. *Reliability Engineering & System Safety*, 227, 108729. Online ISSN: 1879-0836 <https://doi.org/10.1016/j.ress.2022.108729>
- [4] Bhuyan, K., & Sharma, H. (December 2022). Reliability analysis & performance-based code calibration for slabs/walls of protective structures subject to air blast loading. *Reliability Engineering & System Safety*, 228, 108751. Online ISSN: 1879-0836 <http://doi.org/10.1016/j.ress.2022.108751>
- [5] Bhuyan, K., & Sharma, H. (February 2024). Probabilistic capacity models and fragility estimate for NRC and UHSC panels subjected to contact blast. *Reliability Engineering & System Safety*, 242, 109683. Online ISSN: 1879-0836. <https://doi.org/10.1016/j.ress.2023.109683>

Book Chapter:

- [1] Bhuyan, K., Jujjavarapu, K. K., & Sharma, H. (2021). Performance Evaluation of Two-Way RC Slab Subjected to Blast Loading Using Finite Element Analysis. In *Advances in Structural Technologies* (pp. 57-70). Springer, Singapore. Print ISBN: 978-981-15-5234-2 https://doi.org/10.1007/978-981-15-5235-9_5

Conference Papers:

- [1] Rahman, T. and Bhuyan, K. (March 2015). Ground Response Analysis at the Rukni Irrigation Project site location in Assam, India. *International Conference on Sustainable Energy and Built Environment*. VIT University, Vellore.

- [2] Bhuyan, K., Jujjavarapu, K. K., & Sharma, H. (February 2019). Performance Evaluation of Two-Way RC Slab Subjected to Blast Loading Using Finite Element Analysis. *National conference on Advances in Structural Technologies (CoAST-2019)*. NIT Silchar, Assam.
- [3] Bhuyan, K., Sah, A. K., and Sharma, H. (March 2019). Practical Application of High Strength Concrete Matrix for Use in Defense Establishments, *In Proceedings of the International UKIERI Concrete Congress*, NIT Jalandhar, India, pp. 90.

Research Experience:

- Doctoral thesis guided: N/A
- Research & Consultancy Projects: N/A

Membership of Professional bodies: N/A

Award, Fellowship & Recognition: Qualified GATE 2013



Scanned Signature
(Dr. Kasturi Bhuyan)

Date: 29/02/2024