CV of **SNEHAL KAUSHIK**

Name: **Dr. SNEHAL KAUSHIK**

Designation: **Associate Professor**

Address for Communication: (office): **Department of Civil Engineering**
Girijananda Chowdhury University
Hathkhowapara, Azara, Guwahati- 781017, Assam, India
Mobile No.: **9435746736**
WA No: **9435746736**

Email: **snehal_ce@gcuniversity.ac.in**

Date of Birth: **29/10/1975**

Educational Qualifications:

Sl. No.	Examination Passed	Year of passing	Board / Council / University	Specialization
1	HSLC/10th Std.	1991	Nagpur Board (Maharashtra)	General
2	HSSLC/10+2 Std.	1993	Nagpur Board (Maharashtra)	Physics/Chemistry/Biology/Maths
3	B.E	1997	Nagpur University (Maharashtra)	Civil Engineering
4	M.Tech	1997	Nagpur University (Maharashtra)	Structural Engineering
5	PhD.	2018	IIT Guwahati	Civil Engineering Specialization: Structural Engineering

Languages known:

(Read, Write & Speak)

Marathi, Hindi and English

Academic/ Administrative Experience:

Professional Experience:

Associate Professor (Since August 2022), Department of Civil Engineering, Girijananda Chowdhury University, Guwahati

Assistant Professor (August 2018 – August 2022), Department of Civil Engineering, Girijananda Chowdhury Institute of Management and Technology, Guwahati

Senior Research Associate (July 2000 – December, 2007), Department of Civil Engineering, Indian Institute of Technology Kanpur, Kanpur.

Design Engineer (February 2000 - June 2000), M/s A. K. Mukherjee, Nagpur

Design Engineer (January 1998 - June 1998), Ruthe and Associates, Nagpur

Department Level Responsibilities at GCU (Civil Engineering)

Institution Innovation Council (IIC), GIMT, Guwahati :: Vice President, Since November 2024

Institution Innovation Council (IIC), GIMT, Guwahati :: President, February 2022-November 2024

National Board of Accreditation Cell, GIMT Guwahati :: Co-ordinatorr, Civil Engineering, Since April 2019

National Academic Depository, GIMT Guwahati :: Member, Civil Engineering, Since April 2019

Internal Quality Assurance Cell (IQAC), GIMT, Guwahati :: Member, Civil Engineering, October 2018 - April 2019

Program Coordinator :: Faculty Development Program on "Research and Development in Civil Engineering", 18-22 November 2019, organized by ASTU under TEQIPIII at GIMT Guwahati

List of publications:

Book Chapters/Refereed Technical Reports

Kaushik, S. (2024). Seismic Resilience of Reinforced Concrete Frames: Evaluating the Impact of Bracing Systems and Soil-Structure Interaction. (Accepted for Publication in Springer)

Kaushik, S. (2023). Comparative Study of Vertically Irregular RC Shear Wall Building Frames. (Accepted for Publication in Springer)

Kaushik, S., Nath, S.S., Das, T. (2023). Impact Assessment of Plastic Strips on Compressive Strength of Concrete. In: Mitra, S., Dasgupta, K., Dey, A., Bedamatta, R. (eds) Disaster Management and Risk Reduction: Multidisciplinary Perspectives and Approaches in the Indian Context. NERC 2022. Springer, Singapore. https://doi.org/10.1007/978-981-99-6395-9_14

Kaushik S, Tabassum Nahar Saikia, Syed Maroof Hassan Syed, Suhail Jafri and Banashree Baruah (2021) "Response of Multistoried Building Considering Soil-Structural Interaction Under Lateral Loading", Seismic Design and Performance. Sitharam T.G., Pallepati, R.R. Kolathayar, S. (Eds.), Springer Nature, PP. 219-231.

DOI: http://doi.org/10.1007/978-981-33-4005-3 , ISBN: 978-981-334-004-6

Kaushik S., Dasgupta K. (2021), "Seismic Response of Shear Wall–Floor Slab Assemblage". In: Dutta S., Inan E., Dwivedy S.K. (eds) Advances in Structural Vibration. Lecture Notes in Mechanical Engineering. Springer, Singapore.

https://doi.org/10.1007/978-981-15-5862-7_10, ISBN: 978-981-15-5861-0

Kaushik, S., and Dasgupta, K. (2018), "Seismic Behaviour of RC Slab-Shear Wall Assemblage Using Nonlinear Static and Dynamic Analysis", In Recent Advances in Structural Engineering, Volume 2, Lecture Notes in Civil Engineering Volume 12, Rama Mohan Rao, A., and Ramanjaneyulu, K. (eds.), Springer Nature, PP. 219-231.

DOI: http://doi.org/10.1007/978-981-13-0365-4_19, ISBN: 978-981-13-0364-7.

Refereed International Journals

Kaushik, S. and Dasgupta, K. (2024) "Evaluation of plastic hinge length in RC shear wall connected with floor slabs" Discover Civil Engineering, (2024) 1:10
https://doi.org/10.1007/s44290-024-00010-0

Kaushik, S. (2021) "Seismic Response of RCC Building Under Column Removal Scenario" International Research Journal of Engineering and Technology (IRJET). Volume 9, Issue 3, March 2022, S.No: 356.

Kaushik, S. and Dasgupta, K. (2021) "A drift-based design procedure for RC buildings considering the effect of shear wall - floor slabs junction" Earthquakes and Structures, Vol. 21, No. 3 (2021) 313-326. DOI: https://doi.org/10.12989/eas.2021.21.3.303

Kaushik, S. and Dasgupta, K. (2019) "Seismic behaviour of slab-structural wall junction of RC building" Earthquake Engineering and Engineering Vibration, Springer Publication, Vol 18 (2), 331-349. https://doi.org/10.1007/s11803-019-0507-8

Kaushik, S. and Dasgupta, K. (2016). "Seismic damage in slab-structural wall junction in RC building." Procedia Engineering, Elsevier Publication, 144, 1332 – 1339. doi: 10.1016/j.proeng.2016.05.162

Conferences and Workshops

Kaushik, S. (2024). “Seismic Resilience of Reinforced Concrete Frames: Evaluating the Impact of Bracing Systems and Soil-Structure Interaction.” 8th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, 11-14 December 2024, IIT Guwahati. Paper No. 49.

Kaushik, S. (2023). “Comparative Study of Vertically Irregular RC Shear Wall Building Frames.” 13th Structural Engineering Convention, VNIT Nagpur, India, 7-9 December 2023. Paper No. 369.

Kaushik, S. and Dasgupta, K. (2022). “Analytical Study on Seismic Behavior of Rectangular Shear Wall Connected to Floor Slabs"*12th Structural Engineering Convection (SEC2020+1),* NCDMM and MNIT Jaipur, Rajasthan, India, 17-19 December 2020 (rescheduled to 17-19 December 2022)

Kaushik, S., Nath, S. S., and Das, T. (2022). “Impact Assessment of Plastic Strips on Compressive Strength of Concrete"*North-East Research Conclave, Sustainable Science and Technology (NERC 2022),* Indian Institute of Technology Guwahati, Guwahati, India, 20-22 May 2022, (Track 6-Disaster Management).

Snehal Kaushik, (2022). “Seismic Response of RCC Building under Column Removal Scenario"*International Conference on Material, Mechanics and Structures (ICMMS 2022),* NIT Calicut, Kerala, India, 10-12 March 2022.

Snehal Kaushik, Tabassum Nahar Saikia, Syed Maroof Hassan Syed, Suhail Jafri and Banashree Baruah (2021)"Response of Multistoried Building Considering Soil-Structural Interaction under Lateral Loading" '*7th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics (ICRAGEE 2020)*', Indian Institute of Science Bangalore, Bangalore, India. Paper No. 187.

Kaushik, S. and Dasgupta, K. (2018). “Design drift requirements for buildings with RC shear walls” *16th Symposium on Earthquake Engineering*, Institute of Technology Roorkee, Roorkee, India Paper No. 269

Kaushik, S. and Dasgupta, K. (2018). “Plastic hinge length at RC shear wall and floor slab junction” *2nd International Conference on Civil Engineering for Sustainable Development – Opportunities and Challenges (CESDOC),* Assam Engineering College, Guwahati, India, Paper No. SINO306

Kaushik, S. and Dasgupta, K. (2017). “Seismic Response of Shear Wall–Floor Slab Assemblage.” *13th International Conference on Vibration Problems (ICOVP),* Indian Institute of Technology Guwahati, Guwahati, India, Paper No. 184

Kaushik, S. and Dasgupta, K. (2016). “Seismic behaviour of RC slab-shear wall assemblage using non-linear static and dynamic analyses.” *Structural Engineering Convention*, Indian Institute of Technology Madras, Chennai, India. Paper No. 594.

Kaushik, S. and Dasgupta, K. (2015). “Seismic damage in slab-structural wall junction in RC building.” *12th International Conference on Vibration Problems (ICOVP),* Indian Institute of Technology Guwahati, Guwahati, India, Paper No. O0170.

Kaushik, S. and Dasgupta, K. (2013). "Seismic behavior of slab-structural wall junction in RC building." *Conference on Structural Engineering and Mechanics*. NIT Rourkela, India, Paper No. 054.

Dekate, S. V., and Ingle, R. K., (1999), "Effect of Checkerboard Placing of Live Load on Symmetrical Multistory Building", Institution of Engineers (India), Nagpur Local Chapter.

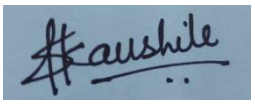
Research Experience

- Doctoral thesis guided: Ongoing 6 (4GCU+2ASTU)
- Research & Consultancy Projects: Nil

Membership of Professional Bodies:

- Indian Society of Earthquake Technology, IIT Roorkee
- ASCE, Student chapter
- NICEE, IIT Kanpur
- Structural Engineering Forum of India, - SEFI

Award, Fellowship & Recognition: Nil



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Date: 19/12/2024

(Dr. Snehal Kaushik)