

Kathmandu Ward no -03 Nepal

Cell No: +977-9851174796

Email: ghimiresunitag@gmail.com, sunita.ghimire@pcampus.edu.np



Date of Birth : 31st Aug 1990
Gender : Female
Marital Status : Married
Nationality : Nepali

Summary

Highly experienced Earthquake and Structural Engineer with a strong background in academic instruction, research interests focused on earthquake-resistant design problems, and expertise in seismic hazard and risk analysis.

Education

- 2020** *Ph.D. in Civil Engineering (running)*, Institute of Engineering, Pulchowk Campus, Pulchowk, Lalitpur, Nepal (Affiliated to Tribhuvan University)
- 2014 - 2016** *Master's in Earthquake Engineering (2-year course), Distinction*, Institute of Engineering, Thapathali Campus, Thapathali, Kathmandu, Nepal (Affiliated to Tribhuvan University)
- 2008-2013** *Bachelor's in Civil Engineering (4 Years), Distinction*, Acme Engineering College, Sitapaila, Kathmandu, Nepal (Affiliated to Purbanchal University)
- 2006-2008** *+2 in Science (2 Years), First Division*, Whitefield Higher Secondary School, Nayabazar, Kathmandu, Nepal (Under HSEB, Nepal)
- 2006** *S. L.C. (10+ Years Course), First Division*, Shree Mahendra Leela Higher Secondary School Harmi-6 Gorkha, Nepal (Under H.M.G. Board, Nepal)

Employment record

- 1. Pulchowk Campus** (Full-time, Day shift), *Lecturer*, March 2021 to till date, **Teaching** (*Theory of Structures I and II, Design of masonry structure*), at **Bachelor's Level** in Civil Engineering, Teaching (*Earthquake Risk Engineering and Management*) at Master's Level in MSDRM Program. Supervising Bachelor's Level Projects and Master's Level Projects, and Thesis.
- 2. Infrastructure Engineering and Resources Consult**, *Engineer*, January 2013 to date, Structural Analysis, Design, Drawing, Estimating, and Valuation, and others as per requirement
- 3. Resilience Engineering Consult Pvt. Ltd.**, *Engineer*, February 2016 to date, Structural Analysis, Design, Drawing, Estimating, and Valuation, and others as per requirement
- 4. Thapathali Campus** (Full time, Day shift), *Lecturer*, March 2021 to till date, **Teaching** (*Strength of Materials, Theory of Structures I and II, Earthquake Resistant Design of Structures, Design of masonry structures, Surveying I and II, Applied Mechanics, Transportation Engineering I and II, Earthquake Engineering, Disaster Risk Management* etc at different semesters.) at **Bachelor's Level** in Civil Engineering, **Teaching** (Finite Element Method) at **Master's Level** in Earthquake Engineering, **Controlling and managing** all civil engineering laboratories as a senior lab in charge. Supervising Bachelor's Level Projects.
- 5. Nepal College of Information Technology** (Part-time, Morning shift), *Lecturer*, November 2018 to March 2022, Teaching (*Structural Dynamics, Earthquake Resistant Design of Structures, Building Technology*), for **Bachelor's Level** in civil engineering

6. **Kathmandu Engineering College** (Part-time, Morning shift), *Lecturer*, November 2020 to March 2020, Teaching (*Structure*), for **Bachelor's Level in** Architecture Engineering.
7. Aryan School of Engineering (Part-time, Morning shift), *Lecturer*, January 2017 to March 2022, Teaching (*Structural Dynamics, Earthquake Resistant Design of Structures, Building Technology*), for **Bachelor's Level in** civil engineering
8. **Hillside College of Engineering** (Part time, Morning shift (Part-time, Morning shift), *Lecturer*, January 2017 to January 2018, Teaching (*Earthquake Engineering, Safety Engineering, and Disaster Risk Management*, etc at different semesters for **Bachelor's Level in** civil engineering
9. Madan Aashrit Memorial Technical School (Part-time), *Lecturer*, November 2016 to July 2019, Teaching (*Applied Mechanics, Structural Design, and Drawing*) for **Diploma Level in** civil engineering.
10. **Acme Engineering College** (Part time, Morning shift (Part-time, Morning shift), *Lecturer*, January 2017 to January 2018, Teaching (*Applied Mechanics, Structural Design, and Drawing*) for **Diploma Level in** civil engineering.
11. **Enviro-Tech Consult Pvt.Ltd**, New Baneshwor, Engineer, May 2013 to December 2013, Seismic Vulnerability assessment and retrofit Design of School Buildings and their Estimation

Skills

1. Delivering lectures on earthquake / structure-based subjects of engineering at the Bachelor's and Master's levels.
2. Computer skills on Microsoft Office package (MS Word, MS Excel, MS PowerPoint, MS Teams), Drafting (Auto CAD, Arc GIS, QGIS, Sketchbook), Structural Analysis (SAP, ETABS, STAAD, SAFE), Programming Language: C Programming, C++, Fortran, Matlab, Latex

Research Papers

1. **Earthquake loss estimation due to damage to residential masonry buildings during scenario earthquakes in Nepal**, published in “Progress in Disaster Science”, 2025
DOI: <https://doi.org/10.1016/j.pdisas.2025.100463>
2. **Effectiveness of Expanded Polystyrene (EPS) Core Reinforced Concrete Sandwich Panel (RCSP) Over Brick Infill Structure**, published in “Proceedings of IOE Graduate Conference”, August 2024
3. **Simulation of the 1934 Nepal–Bihar earthquake in Kathmandu**, published in “Natural Hazards”, February 2024
DOI: <https://doi.org/10.1007/s11069-023-06400-4>
4. **Response Spectra for Nepal through Probabilistic Approach**, published in “Journal of the Institute of Engineering”, April 2023
5. **Probabilistic Seismic Hazard Analysis of Nepal**, published on “Journal of Innovations in Engineering Education”, March 2019
6. **Probabilistic Seismic Hazard Analysis of Nepal considering uniform density model**, published in “Proceedings of IOE Graduate Conference”, January 2016

Trainings / Workshops / Seminars

1. Participated as a trainee in a workshop of Latex organized by Department of Electronics and Communication in Pulchowk Campus.
2. Worked as trainer at the mason training on 'Earthquake resilience building construction' at different districts (Gorkha, Dhading) of Nepal.
3. Participation on weekly TOT about 'Teaching Methodology', organized by Research and Development Unit of T.U, I.O.E, Thapathali Campus.
4. Involved in Rapid Vulnerability Assessment of buildings as an engineer through 'Nepal Engineers Association' in different districts of Nepal after Nepal Earthquake 2072.

5. Participation on 4 days training program on 'Earthquake Resilience building construction' organized by International Labor Organization (ILO) and Thapathali Engineering Campus.
6. Participation on 3 days training program on ' Fluid Mechanics and Hydraulics Lab' organized by Thapathali Engineering Campus T.U., I.OE.
7. Participation in 1 day guest lecture on 'Crop Water Requirement' organized by Acme Engineering College.

Languages

Nepali, English, Hindi

Certification

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experiences.

Full name: Sunita Ghimire

Email address: ghimiresunitag@gmail.com

Mobile number: +977- 9851174796

Date: 9th November, 2025

Place: Kathmandu, Nepal



Signature: