Ashim K C, EIT

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EDUCATION

Southern Illinois University Carbondale, *Carbondale, IL*

MS in Civil Engineering (Structural Engineering)   *Jan. 2019 – Aug. 2020 (expected)*
GPA: 4.00 / 4.00

Relevant Coursework: Advanced Steel Design, Earthquake Engineering, Prestressed Concrete Design, Seismic Design of Structures, Structural Design of Highway Bridges, Structural Dynamics, Nonlinear Structural Analysis, Advanced Foundation Engineering.

Tribhuwan University — Kathmandu Engineering College, *Kathmandu, Nepal*

Bachelor's in Civil Engineering   *Dec. 2011 – Dec. 2015*
GPA: 3.80 / 4.00

Relevant Coursework: Design of Steel and Timber Structure, Reinforced Concrete Design, Transportation Engineering, Soil Mechanics, Foundation Design, Masonry Design, Earthquake Resistant Design of Structures.

WORK EXPERIENCE

Southern Illinois University Carbondale, *Carbondale, IL*

Graduate Teaching Assistant   *Jan. 2019 – Present*
- Numerical Methods in Engineering (ENGR 351) for Spring 2019, Fall 2019 and Spring 2020.

Rajdevi Consultants – Design Team, *Kathmandu, Nepal*

Civil Engineer   *Nov. 2017 – Dec. 2018*
- Performed structural analysis and design of various reinforced concrete buildings using SAP2000 and ETABS.
- Prepared tender documents for bidding purposes.
- Prepared bill of quantities and estimations.

Department of Urban Development and Building Construction, *Kavrepalanchowk, Nepal*

Civil Engineer   *Apr. 2016 – Oct. 2017*
- Performed structural analysis and design of medium-sized reinforced concrete residential and office buildings using SAP2000 and ETABS.
- Supervised building construction work, ensured construction quality through frequent field visits.
- Coordinated and supervised mason training on earthquake resistant building construction.
- Organized technical meetings, drafted minutes and provided structural solutions.

ACADEMIC PROJECTS

Final Year Project -Kathmandu Engineering College

Project Title: Seismic Analysis and Structural Design of Multi-storied RCC Framed Commercial Building   *Dec. 2014 – Aug. 2015*
- Static and dynamic analysis on an eight story RCC framed building were carried out.
- The structural members of the building were designed making structure safe, durable and serviceable.
- Detail structural drawings of various structural components.

MEMBERSHIPS & ACHIEVEMENTS

- EIT Civil, National Council of Examiners for Engineering and Surveying, NCEES ID 20-274-59
- Student Member, American Society of Civil Engineering (ASCE), Member ID: 11906024
- Registered Engineer certified by Nepal Engineering Council (NEC), Regd. : 12560 "Civil" "A"
- Full Scholarships MS in Civil Engineering.
- Government of Nepal merit-based scholarship for deserving students throughout Undergraduate study.

PUBLICATION

Fundamentals of Computational Techniques in Civil Engineering

A manual for undergraduate students with the primary aim of better comprehending the theories, finding more relevance in subjects and localizing the course contents.

SKILLS & OTHERS

Design and Analysis Software: AutoCAD, SAP2000, STAAD.Pro, ETABS.
Documentation: Microsoft Word, Excel, PowerPoint.
Programming: MATLAB
Interests: Seismic Design, Computer Aided Modelling and Simulation of buildings and other structures.