

Avik Poudel

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EDUCATION

Pokhara University, Cosmos college of management and technology Lalitpur, Nepal

Bachelor of Civil Engineering

September 2018-August 2023

Cumulative **GPA**: 3.6/4.0

Thesis Title: Design and Analysis of Multistoried Semi-Commercial RCC Building

Relevant Coursework: Strength of material, Structural analysis I, Structural analysis II, Design of steel and timber structures, Design of RCC Structure, Concrete technology and Masonry Structures.

United Academy

Kathmandu, Nepal

Cumulative **GPA**: 3.1/4.0

July 2016 - August 2018

Rhododendron International Boarding School

Kathmandu, Nepal

Cumulative **GPA**: 3.35/4.0

April 2006 - July 2016

EXPERIENCE

Civil Engineer [Hints Consult Pvt.Ltd Kathmandu, Nepal]

Dec 2023 – Feb 2025

(Developing project plans including schedules budgets and resource allocation)

Major Responsibilities:

- Structural design and analysis.
- Overseeing project sites
- Preparing and maintaining accurate project documentation (progress report, design modifications and compliance reports).
- Engaging with clients to understand their requirements, provide updates and address any concerns and ensuring high level client satisfaction.

ACADEMIC PROJECTS

Design and analysis of multistoried Semi RCC commercial building May 2023 -August 2023

- Led a team in designing of multistoried RCC building for Semi-commercial purpose (Commercial Home) for structural integrity, safety of building and economic construction.
- Performed a detailed load calculation and planned the layout of beam, column and slab.
- Utilized AutoCAD and ETABS to create and analyze the structural model of the building using building code NBC 105: 2020 and IS 875:1987
- Designed the building Foundation in considering soil condition and load bearing capacity using the building code and geotechnical data
- Checked the feasibility from cost benefit analysis by comparing material choice and construction technique.

Surveying Camp of Jarsing Pauwa, Nepal May 2022

- Participated in a 10-day survey camp with a focus of topographic survey, Road alignment survey and bridge site survey.
- Prepared a topographic map and contour map of the area with horizontal and vertical control at required accuracy using closed traverse techniques.

- Utilized advanced surveying tools like total station, theodolite and leveling machine
- Established a control point and measured elevation of road alignment and its cross section. Used triangulation method of bridge surveying and fly leveling for RL (Reduced Level) transfer across the points. Also, selecting bridge axis by triangulation method and using reciprocal Leveling in Bridge Site Survey.

Minor Projects: Programming in Solving beam problem conjugate beam method using C and C++, Manufacture and marketing of different kind of bricks

SKILL

- Proficient in AutoCAD, ETABS, SAFE and STAAD.pro
- Knowledge of programming language like C, C++, HTML
- **Proficient in Microsoft Office (Word, Excel, PowerPoint)**
- **Fluent in Nepali and Hindi**
- **Proficient in English**
- Strong analytical and problem-solving skills

PROFESSIONAL MEMBERSHIP

Nepal Engineering Council “80477”

EXTRA CURRICULAR ACTIVITIES

General Member [Civil Engineering Student Society CESS-Cosmos] December 2022- August 2023

- Participated in various competition both within and outside the college
- Attended seminar related to civil engineering innovations.

LEADERSHIP, GRANT, AWARD AND HONOR

Leadership

Leader in all of the major and minor academic project

Best Leadership amongst 24 groups during Survey Field Project

Grant and Scholarship

Cosmos College of Management and Technology Rs. 400000 2018-2023

Awards and Honors

Cosmos College of Management and Technology: *Semester Topper 7th semester*

REFERENCE

1. Er. Anil Gautam
Structural Engineer,
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