



Gokarna Sijwal

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Phohon Yothin 45, Krissana Int. Dormitory, 10900, Bangkok, Thailand

About me: Passionate civil/structural engineer with 2 years of experience in civil engineering field (structure related) and studied masters in civil engineering (structural engineering) at Kasetsart University. Designed and analyzed the structures of hydropower with excel calculations and by using software like SAP, STAAD. pro etc. Proficient in performing the finite element modeling of any structures and have in-depth knowledge of concrete/steel/composite structures. Seeking a role where I can pursue my passion to explore the structural engineering field.

● WORK EXPERIENCE

1 SEP 2017 – 30 JUN 2019 – Kathmandu, Nepal

CIVIL ENGINEERING CONSULTANT – ANGEL ENGINEERING CONSULTANCY P. LTD

Major tasks:

- Designed and analyzed (structural design) different hydropower components such as powerhouse, roof truss, culvert, intake etc. of three projects
- Design of client buildings
- Prepared reports and construction drawings
- Visited the project sites for the inspection of the structures as per design

Major projects:

- Kalanga gad Hydroelectric Project (15.33 MW)
- Upper Kalanga gad Hydroelectric Project (38 MW)
- Upper Sani gad Hydroelectric Project (10 MW)

1 JAN 2016 – 1 JUL 2016 – Kathmandu, Nepal

CIVIL ENGINEERING CONSULTANT – ARUN KABELI POWER LIMITED

Major tasks (Internship):

- Supervised the site as per the specifications and construction drawings
- Prepared bill of quantities and reports necessary in site

1 DEC 2020 – 30 APR 2021 – Bangkok, Thailand

UNIVERSITY TEACHING AND RESEARCH ASSISTANT – KASETSART UNIVERSITY

Major tasks:

- Performed the experimental test of Concrete-filled Cold-formed Steel Composite Shear Walls under lateral monotonic load and material test of specimens (steel, concrete) at the laboratory of the Civil Engineering Department, Kasetsart University.
- Investigated the in-plane shear behavior of the composite wall with non-linear finite element modeling in ABAQUS.
- Mentor and guide the students whenever needed (Structural Analysis I)
- Check homework and class problems (Structural Analysis I)

● EDUCATION AND TRAINING

19 JUL 2019 – 30 JUN 2021 – Bangkok, Thailand

MASTER'S DEGREE IN CIVIL ENGINEERING (STRUCTURAL ENGINEERING) – Kasetsart University

Field(s) of study

- Engineering, manufacturing and construction : *Building and civil engineering*

4.0/4.0 | Load Carrying Capacity of Concrete-filled Cold-formed Steel Composite Shear wall |

<https://www.ku.ac.th/en/faculty-bangkhen>

Field(s) of study

- Engineering, manufacturing and construction : *Building and civil engineering*

3.4/4 | Structural Design of Powerhouse and Hydraulic Design of Settling Basin of Thapa Khola Hydroelectric |

<https://ku.edu.np/>

1 FEB 2010 – 1 MAR 2012 – Madhyapur Thimi, Nepal
HIGHER SECONDARY EDUCATION – Higher Secondary Education Board

<https://www.neb.gov.np/>

● **LANGUAGE SKILLS**

Mother tongue(s): NEPALI

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
HINDI	B2	B2	B1	B1	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Abaqus (FEM) | High ability to use AutoCAD | Microsoft Word / Microsoft Excel / Microsoft Powerpoint / Microsoft Project | ETABS 2016 SAFE2016 SAP2000 and STAAD Pro - Structures Software (Good) | Organizational and planning skills

● **NETWORKS AND MEMBERSHIPS**

19 MAR 2018 – CURRENT
Licensed Civil Engineer authorized by Nepal Engineering Council

Bhagawati Marg, Kathmandu 44600, Nepal

● **HONOURS AND AWARDS**

15 JUL 2019
Faculty of Engineering scholarship – Kasetart University

1 DEC 2020
First class honors(4.0 CGPA) – Kasetart University

- Awarded with first-class honours in master's degree in civil engineering (Structural Engineering) at Kasetart University