

Nawod Keenagalla

Civil Engineering Undergraduate



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ABOUT ME

I am a dedicated civil engineering undergraduate with a passion for designing and constructing innovative infrastructure solutions and I am eager to apply my skills and knowledge to real-world projects while continuously expanding my expertise in the field.

EDUCATION

University of Moratuwa

2021 - Present

- **Department Civil Engineering**

Bachelor of the Science of Engineering Honors Degree in Civil Engineering

CGPA - 3.44 / 4.00 (Up to semester 4)

Sivali Central College, Rathnapura

2011 - 2019

- GCE Advanced Level Examination

Z - Score: 2.3209

District Rank - 12 Island Rank - 342

Combined Mathematics - **A** | Physics - **A** | Chemistry - **A**

- GCE Ordinary Level Examination

9 - A passes | With English Literature, Information Communication Technology and Civic Education

Related Coursework

- Entrepreneurship theory
- Calculus
- Differential Equations
- Linear Algebra
- Sri Lankan Built Heritage

MOOCs

- Engineering Drawings and AutoCAD

SKILLS

Software Tools

- Plaxis 2D
- Plaxis 3D
- GeoStudio
- ArcGIS
- AutoCad
- SAP2000
- HEC-HMS
- Revit

Language Skills

- English (Professional Proficiency)
- Sinhala (Native Proficiency)

Programming Languages

- Python (Intermediate)

PROJECTS

● Design Challenge (Group Project)

Design, analyze, and construct a physical model for a shell roof structure to be implemented in a New York basketball stadium

● Design of a Four Story Building (Individual Project)

Engaged in the structural element design and detailing process, encompassing components such as beams, columns, slabs, footings, and computer modeling utilizing SAP2000

● Hydrological Data Analysis and River Flow Simulation (Individual Project)

Conducted an analysis of precipitation data, applying hydrological statistical methods to develop Intensity-Duration-Frequency (IDF) curves. Additionally, utilized HEC-HMS for river flow simulation

● Conceptual Design Project (Group Project)

Proposing , conceptualizing, design and physical model construction of a multi story parking scheme which was tested for seismic vibrations

FIELDS OF INTEREST

- Geotechnical Engineering
- Construction Technology
- Structural Analysis

COMMUNITY & LEADERSHIP

● Institution of Civil Engineers (ICE), South East Asia

2024- Present

Student Member - Credential ID : 93786832

● Institute of Engineers Sri Lanka

2024 - Present

Student Member - Credential ID : S-30355

● EXMO 2023

2023

Department Facilitator - Surveying division, Department of Civil Engineering

● Civil Engineering Society, University of Moratuwa

2023 - Present

Member of Civil Engineering Society, University of Moratuwa

● School Cricket team and Volleyball team

2017

Member of school cricket team and volleyball team

REFERENCES

● R. L. H. Lalith Rajapakse (BSc Eng. Hons., MSc, PhD, CEng, ECSL, MIESL)

- Professor, Department of Civil Engineering
- Director UMCSAWM/Centre Chairman (UNESCO Madanjeet Singh Centre for South Asia Water Management)
- Course Coordinator (M.Sc./PG Dip in WREM, DCE/UMCSAWM)

Hydraulic and Water Resources Engineering Group,

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