

Nawod Keenagalla

Civil Engineering Undergraduate



✉ nawodkeenagalla1@gmail.com

☎ [+94 76 3908489](tel:+94763908489)

📍 No. 98 Kumaragama Rd, Balangoda

🌐 [Linkedin Profile](#)

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

- AutoCAD
- SAP2000
- HEC-HMS
- ArcGIS
- Surfer
- Revit
- 3ds Max 2022
- Prokon

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

- Hydrological Analysis and Design
- Construction Technology
- Structural Analysis

COMMUNITY & LEADERSHIP

- | | |
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| ● 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,
Department of Civil Engineering, University of Moratuwa, Moratuwa 10400, Sri Lanka.
Tel.: +94(11) 5810260 | Tel.: +94(11) 2650301 Ext. 2116 | | Mobile: +94-(0)71-873-0260
E-mail: lalith@uom.lk | UMCSAWM@uom.lk | rlhlalith@gmail.com | Web: <https://umcsawm.uom.lk/>