

# PATHMANATHAN PIYANU

CIVIL AND ENVIRONMENTAL ENGINEER

## PROFILE

I am looking for a challenging career opportunity as a Civil and Environmental Engineer, to be sustainable and creative in the field of Engineering.

## WORK EXPERIENCE

**Apr. 2022 –  
May. 2023**

### Civil Engineer

*Department of Meteorology, Disaster Management Division, Ministry of Defence, Bauddhaloka Mawatha, Colombo 07.*

- Supervised and monitored the civil maintenance works in all the outstations, quarters, head office and National Meteorological Centre
- Planned, designed, prepared specifications & cost estimates, purchased suitable materials and completed the civil construction works
- Participated in the required meetings and prepared the required documents and letters
- Supervised and approved the duty works and overtime works of mason, plumber and carpenter

**Oct. 2021 –  
Apr. 2022**

### Planning Engineer

*K.D.A. Weerasinghe & Co. (Pvt) Ltd.*

*Asian Development Bank (ADB) funded project.*

Contract Package No. RDA/ADB/I ROAD-2(NP)/ICB/MN-02

Rehabilitation/ Improvement and Maintenance of 61.30 km Rural Roads in Mannar District in the Northern Province – Package 02

- Planned the work for every day with resources
- Provided the progress of work, site photographs, and costing for every day to the head office
- Prepared monthly costing reports
- Monitored the material usage and requirement
- Prepared and maintained the physical and financial S curves
- Prepared and maintained the contemporary records for material shortage
- Prepared all supporting documents, ie. budget, monthly work progress report & presentation



## PERSONAL

**Name**

Pathmanathan Piyanu

**Birth Date**

18/11/1995

**Gender**

Female

**Civil Status**

Unmarried

**Nationality**

Sri Lankan

## SKILLS

### Computer Softwares

AutoCAD 2D & 3D

MIDAS Gen

SAP2000

MS Office Packages

### Languages

Tamil

Sinhala

English

## CONTACT

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Arayampathy-01,  
Batticaloa,  
Sri Lanka.  
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[cempiyanu@gmail.com](mailto:cempiyanu@gmail.com)

**Jul. 2021 –  
Oct. 2021**

**Environmental & Site Engineer**

*K.D.A. Weerasinghe & Co. (Pvt) Ltd.*

*Asian Development Bank (ADB) funded project.*

Contract Package No. RDA/ADB/I ROAD-2(NP)/ICB/MN-02

Rehabilitation/ Improvement and Maintenance of 61.30 km Rural Roads in Mannar District in the Northern Province – Package 02

- Participated in the monthly progress review meetings
- Prepared monthly environmental progress report and presentation
- Coordinated structural drawing section and pavement design section
- Engaged in handling the grievances from public
- Prepared required documents and letters

**Sep. 2020 –  
Mar. 2021**

**Environmental & Social, Safe Guard Engineer**

*SMS Holdings (Pvt) Ltd.*

*World Bank and Sri Lankan Government funded project.*

Strategic City Development Project (SCDP)

Rehabilitation of Urban Parks in Jaffna, Stage 01

- Engaged in handling the grievances from public
- Managed the environmental, social and safety issues at the site
- Participated in the meetings held by Strategic City Development Project (SCDP) team and Urban Development Authority (UDA)
- Prepared required documents and letters

**May. 2019 –  
Mar. 2020**

**Temporary Student Instructor**

*Faculty of Engineering, University of Ruhuna.*

Worked at transportation and structural laboratories

- Conducted the laboratory experiments and demonstrations for the first-year students of university

**Jan. 2019 –  
Apr. 2019**

**Civil Engineering Trainee**

*Civil and Structural Engineering Consultants (Pvt) Ltd. (CSEC).*

*Treasure Trove Residencies - Apartment Complex, Colombo-03.*

Worked as a consultant

- Timeline was prepared
- Monthly report was prepared
- The inspection was done for all the civil works before the commencement of each work
- Engineering Observations and Recommendations (EOR) were prepared

Nov. 2017 –  
Feb. 2018

### Civil Engineering Trainee

*Central Engineering Consultancy Bureau (CECB).*

*Accident and Emergency Treatment Unit,  
Teaching Hospital, Batticaloa.*

Worked as a contractor

- Concreting, reinforcement, formwork, wall and floor finishing works, ceiling work and drainage construction works were supervised
- Bill of quantity was prepared for the variations
- Structural drawings were drawn

## EDUCATION

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2016 – 2020

### Civil and Environmental Engineering

*Faculty of Engineering, University of Ruhuna,  
Galle.*

OGPA – 3.20 (Second Lower Class)

2012 – 2014

### GCE Advanced Level

*BT/Vincent Girls' High School, Batticaloa.*

- Combined Mathematics – A
- Chemistry – B
- Physics – B

## PROJECTS

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2019 – 2020

### LOW-COST TREATMENT METHOD FOR TOTAL IRON IN LANDFILL-LEACHATE: BATCH SORPTION EXPERIMENTS

*Faculty of Engineering, University of Ruhuna.*

Undergraduate Research Project was done where kinematic, isotherm and batch experiments were conducted to define the low-cost adsorbents' characteristics and found effective composite.

2019 – 2020

### DEVELOPMENT OF HOUSING APARTMENTS IN ALICETON WATTA, BERUWALA FOR LOW AND MIDDLE INCOME FAMILIES

*National Housing Development Authority  
(NHDA).*

Comprehensive Design Project was done where surveying at proposed land, soil investigation, feasibility study, structural design for 3 Buildings with different floor areas, estimate and building services allocation were done.

Jan. 2019

### MAHAWELI AUTHORITY OF SRI LANKA

*Development Project of Walawa left bank MD-15 Channel in Kiribanwewa Division, Bahirawa, Sevanagala.*

- Engaged in surveying work (levelling, traverse surveying and detailed surveying)
- Designed new channel for implementation

## NON RELATED REFEREES

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### Dr. W.K.C.N. Dayanthi

Senior lecturer,

Head of the Department of Civil and Environmental Engineering,

Faculty of Engineering, University of Ruhuna, Hapugala, Galle, Sri Lanka.

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### Dr. Champika Ellawala

Senior lecturer,

Department of Civil and Environmental Engineering, Faculty of Engineering, University of Ruhuna, Hapugala, Galle, Sri Lanka.

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## PUBLICATIONS

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Co-Author of a research paper which was published on,

- ⚡ The Journal of Springer Nature: BATCH SORPTION EXPERIMENTS ON LOW-COST COMPOSITE ADSORBENT TO TREAT TOTAL IRON IN LANDFILL LEACHATE; under the division Water, Air & Soil Pollution 17th April, 2023.

## EXTRA-CURRICULAR ACTIVITIES

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- ⚡ Played Cricket and Kabaddi in Inter-Faculty Sports Meet
- ⚡ Participated in Inter-Faculty Music Competition
- ⚡ Participated in Concrete Mix Design Competition by INSEE
- ⚡ Participated in Spaghetti Bridge Competition

## PROFESSIONAL AFFILIATIONS

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- ⚡ Completed a seminar on “INFRASTRUCTURE DEVELOPMENT AND PLANNING FOR SRI LANKA” organised by PEOPLE’S REPUBLIC OF CHINA
- ⚡ Associate Engineer of Engineering Council, Sri Lanka (ECSL)
- ⚡ Associate Member of Institute of Engineers, Sri Lanka (IESL)
- ⚡ Member of Civil and Environmental Engineers Society (CEES), Faculty of Engineering, University of Ruhuna.