

NETHMI CHANIKA HERATH

No 8/1/1, Gonawala, Rajawella, Kandy, Sri Lanka

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Personal Information

Full Name: Kalu Arachchilage Nethmi Chanika Herath
Nationality: Sri Lankan
Date of Birth: 02 July 1996
Gender: Female
Civil Status: Married
Current Employment: Temporary Lecturer, Dept. of Physical Sciences,
Faculty of Applied Sciences, Rajarata University of Sri Lanka

Education Qualifications

Bachelor of Science (Hons) in Industrial Mathematics

Rajarata University of Sri Lanka

GPA: 3.43 / 4.00

Period: 16 March 2017 – 30 April 2022

School Education:

Mahamaya Girls' College, Kandy, Sri Lanka

GCE A/L Results: Combined Mathematics (C), Chemistry (C), Physics (C)

Professional Experience

Temporary Lecturer

Dept. of Physical Science, Rajarata University of Sri Lanka

28 Aug 2023 – 31 Jul 2024

Courses: Time Series, Probability Theory, Introduction to Probability Theory, Introduction to R/Python Statistical Language

Tutor

Dept. of Physical Science, Rajarata University of Sri Lanka

15 Jun 2022 – 25 Aug 2023

Courses: Time Series, Real Analysis, Complex Calculus, Mathematical Methods, Advanced Linear Programming, Financial Mathematics, Introduction to Probability Theory, Stochastic Processes

Part-Time Tutor – B.Sc. (External)

Dept. of Physical Science, Rajarata University of Sri Lanka

01 Feb 2023 – Present

Courses: Mathematical Analysis, Time Series Analysis and Forecasting

Research Projects and Publications

RISTCON 2023 (Abstract Published)

Ruhuna International Science and Technology Conference

Title: *Swimming performance prediction of elite swimmers*

Authors: K.A.N.C. Herath, Dr. Kaushalya Premachandra, Mr. Ranjan Dissanayake

ASURS 2022 (Presentation)

Applied Sciences Undergraduate Research Symposium

Presented research abstract

Final Year Research Project

Predicting Swimming Performance of the 100 m Long Course Event of Elite Swimmers Using Machine Learning Techniques

Grade: A

Supervisors: Dr. Kaushalya Premachandra and Mr. Ranjan Dissanayake

Third Year Research Project

Multi Factor Lie Detection Mechanism for Emergency Call Centres

Grade: A

Supervisor: Mr. Wiraj Udara Wickramaarachchi

Computer Skills

- R, Python, Minitab, Lingo, MATLAB

Extra-Curricular Activities

- Active Member, Industrial Mathematics Students Association (2017–2022)
- Member, Association of Rajarata ICT (2017–2022)
- Merit Award, Diploma in Computer, Kandyan International
- Merit Award, Diploma in English, The First International
- Best Presentation Award (ASURS 2022) – Mathematics Track