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 The-

ory, 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
Supervisors: Dr. Kaushalya Premachandra and Mr. Ranjan Dissanayake

Third Year Research Project
Multi Factor Lie Detection Mechanism for Emergency Call Centres
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