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Faculty of Agriculture
Rajarata University of Sri Lanka
Puliyankulama
Anuradhapura.

[in](#) [E.D.T Somarathne](#)

PERSONAL INFO.

Full Name : Eranga Deshani Thrimavithana
Somarathne

Date of Birth : 20th January 1983

Gender : Female

NIC NO : 198352003212V

Marital status : Married

Nationality : Sri Lankan

SKILLS

- Information and Communication Technology (ICT)
- E-Learning and Learning Management Systems
- Machine Learning and Data Mining
- Web Development and Maintenance
- Network Administration Educational
- Technology Integration
- Research Methodologies in Agriculture and IT
- Curriculum Development
- Data Analysis and Visualization
- Digital Literacy and Training
- Editorial and Academic Writing

ERANGA DESHANI THRIMAVITHANA SOMARATHNE

A dedicated and experienced ICT professional with a strong background in teaching and academic coordination, seeking to leverage over 15 years of expertise in computer technology, rural development, and agriculture to contribute to the growth and advancement of educational institutions. Adept at designing and delivering ICT-based curricula, managing learning management systems, and fostering student engagement through innovative teaching methods. Passionate about integrating technology to enhance learning experiences and support the academic and professional development of students in diverse fields.

WORKING EXPERIENCE

INSTRUCTOR IN COMPUTER TECHNOLOGY

Faculty of Agriculture, Rajarata University of Sri Lanka
October 2009 – Present

- Coordinate the ICT Unit to ensure effective implementation of information and communication technology across the faculty.
- Develop and maintain the faculty websites, ensuring that content is up-to-date and relevant for students and staff.
- Manage the network environment of the faculty to provide reliable and secure access to information systems and resources.
- Oversee the Learning Management System for the Faculty of Agriculture, facilitating a seamless online learning experience for students and instructors.
- Assist in editorial duties for the Sri Lankan Journal of Agriculture and Ecosystems, contributing to the publication process and quality control of articles.
- Conduct IT courses to enhance students' knowledge and skills in computer technology and its applications within agriculture.
- Collaborate with faculty members to integrate technology into teaching and learning methodologies effectively.

Lecturer-In-Charge (LIC) Responsibilities:

- Lead the course "Information and Communication Technology in Rural Development (PDRD1241)" in the Postgraduate Diploma in Rural Development program, designing curriculum and assessments.
- Facilitate engaging and interactive learning experiences for postgraduate students, promoting critical thinking and application of ICT in rural development contexts.

VISITING LECTURER

College of Technology, Anuradhapura, Sri Lanka
2017 – 2019

- Delivered comprehensive lectures on technical and vocational subjects to students pursuing NVQ qualifications.
- Prepared and implemented course materials and lesson plans tailored to the curriculum requirements.
- Mentored and guided students to achieve academic and practical excellence in their chosen fields.
- Conducted assessments and evaluations to monitor student progress and identify areas for improvement.

VISITING LECTURER

School of Agriculture, Puliyankulama, Sri Lanka
2017

- Delivered specialized lectures in agriculture-related subjects to diploma-level students.
- Developed lesson plans focused on modern agricultural techniques, sustainability practices, and emerging technologies.
- Facilitated hands-on practical sessions to enhance students' understanding of theoretical concepts.
- Evaluated student performance through assignments, presentations, and examinations.

TRAININGS/WORKSHOPS & SEMINARS

Participated in the 56th Meeting of the Asia Pacific Advanced Network (APAN56) held from the 21st to 25th of August 2023 in Colombo, Sri Lanka.

Participated in the 4-day ToT programme on “Assessing Outcome-Based Education (OBE) and Learner-Centered Teaching (LCT)” by AHEAD: (Staff Development Centre, University of Peradeniya from 22nd – 25th November 2021)

Participated in the 4-day ToT programme on Curriculum Development by AHEAD: (Wayamba University of Sri Lanka from 14th-17th January 2020)

Participated ‘Student-Centered Learning’ workshop on 25th April 2017, Rajarata University of Sri Lanka.

Participated and Successfully completed SANOG XXV (South Asian Network Operators Group) Conference, Workshop, and Tutorials Jan 16-24 2015, Kandy Sri Lanka

Attended Adaptive Training Workshop on e-Learning Process Jun 2015 in Faculty of Agriculture, Rajarata University of Sri Lanka

Attended the workshop on Method of Enhancing ICT Skills, UDG, HETC (Higher Education for Twenty-First Century) project

Attended the Workshop on Curriculum Revision 2014-2018, Faculty of Agriculture, 25th, 26th March, 2014

Participated Training workshop on Skills for Science Communication to the public organized by the National Science Foundation Aug, 2011

MEMBERSHIPS/ APPOINTMENTS

Faculty Activity member – Activity II (Upgrading Physical Learning & Teaching Environment) /AHEAD project 2017-2023

Member of Web Development and Updating Committee – Rajarata University of Sri Lanka

Administrator/ Learning Management System (AgriVLE), Faculty of Agriculture, Rajarata University of Sri Lanka

In charge/Audio Visual Arrangements subcommittee, Annual Research Symposia/Faculty of Agriculture held from 2010 to 2021

TEMPORARY DEMONSTRATOR

ICT Centre, University of Kelaniya, Sri Lanka
August 2008 – July 2009

- Conducted laboratory sessions and tutorials for undergraduate students in Information and Communication Technology.
- Provided technical support and training in ICT tools and systems to students and staff.
- Assisted in research and development activities within the ICT Centre.
- Contributed to the maintenance and troubleshooting of ICT infrastructure.

TEMPORARY DEMONSTRATOR

Rajarata University of Sri Lanka
November 2006 – November 2007

- Conducted practical sessions and assisted in laboratory-based learning for undergraduate students.
- Provided academic support to students in understanding complex theoretical concepts in the curriculum.
- Coordinated with lecturers to ensure alignment between theoretical and practical components of coursework.
- Assessed and provided feedback on student assignments, presentations, and examinations.

PROFESSIONAL QUALIFICATIONS / AWARDS

- Successfully completed the online course “Python Data Science Fundamentals: Getting Started” on Udemy, demonstrating proficiency in foundational data science concepts and Python programming, on November 20, 2023.
- Achieved a *Diploma in Computer Studies* with a distinction pass from IDM Computer Studies (Pvt) Ltd in 2002, demonstrating exceptional proficiency in computer applications and technology.
- Successfully completed the *Short Course on Data Analysis using R and R Studio* at the Postgraduate Institute of Science, University of Peradeniya, in 2013, gaining valuable skills in data analysis and statistical modeling.
- Recipient of the Best Poster Award at the International Research Conference 2014 held at Sir John Kotelawala Defense University.
- Proficient in computer programming and skilled in using statistical and mathematics-based software, including SAS, Minitab, Python, SPSS, R, and Matlab.

ACADEMIC QUALIFICATIONS

MASTER OF PHILOSOPHY IN ENGINEERING

Faculty of Engineering, University of Peradeniya
Effective Date: 03.08.2023

POSTGRADUATE DIPLOMA IN APPLIED STATISTICS

Postgraduate Institute of Science, University of Peradeniya
2007-2009
Effective Date: 05.02.2009

BSC (HONS) IN PHYSICAL SCIENCE

Faculty of Science, University of Peradeniya
2003-2006
Class: Second Lower
Subject Areas: Computer Science, Mathematics
Effective Date: 09.05.2006

Member/Audio Visual Arrangements subcommittee, Annual Research Symposia/Faculty of Agriculture held from 2010 to 2024

Academic Sub Warden from 12.03.2015 to 12.03.2016

Editorial Assistant for the Editorial Board of the e-Journal Sri Lankan Journal of Agriculture and Ecosystems with effect from 09.04.2020 up to date

LANGUAGES

English

Sinhala

REFERENCES

Prof. D.S.K. Karunasinghe

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Faculty of Engineering
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WORKSHOPS ORGANIZED/CONDUCTED

- Conducting sessions on “Introduction to LMS” in the Orientation Programmes for fresh undergraduates.
- Conducted online workshop on “Creating online examinations in LMS” as the resource person for the academic staff of the faculty on 14.06.2021.
- Conducted workshop on “Creating Quizzes and Grading in LMS” as the resource person for the academic staff of the faculty on 27.10.2020.
- Awareness program on Audio Visual Arrangements for the nonacademic staff in faculty of agriculture, Rajarata University of Sri Lanka, 10.04.2014
- Workshop on “Network and PC Security” in the Faculty of Agriculture, Rajarata University of Sri Lanka, 29.06.2010

RESEARCH PUBLICATIONS

- Somarathne, E.D.T., Wijayakulasooriya, J.V. and Karunasinghe, D.S.K., 2022. Application Of Neural Network and Clustering Techniques for Short-Term Electricity Demand Forecasting. Faculty Annual Research Symposium 2022, University of Vavunia., p.29.
- Somarathne, E.D.T., Wijayakulasooriya, J.V. and Karunasinghe, D.S.K., 2022. Application of Artificial Neural Network for Short-Term Electricity Demand Forecasting. KDU Journal of Multidisciplinary Studies, 4(1), pp.106–116. DOI: <http://doi.org/10.4038/kjms.v4i1.44>
- Somarathne, E. D. T., Wijayakulasooriya, J. V., & Karunasinghe, D. S. K. (2020). Short Term Electricity Demand Forecasting for Generation Scheduling: A Case Study in Sri Lanka. International Conference on Environmental and Medical Statistics (ICEMS 2020), p.32.
- Full Paper publication at Second International Conference, Trincomalee Campus, Eastern University of Sri Lanka 2017 (13th & 14th September, 2017)
 - “Statistical Modelling of Monthly Mean Rainfall: A Case Study in Sri Lanka”
- Full paper publication at Engineering and Technical Sciences session - International Research Conference 2014, Sir John Kotalawala Defence University (21st & 22nd August, 2014).
 - “Statistical Analysis and Forecasting Model for Monthly Mean Temperature in Colombo.”
- Extended abstract publication at Second Annual International Research Symposium, 2014 Rajarata University of Sri Lanka.
 - “Time Series Forecasting Model for Monthly Mean Temperature.”

ACKNOWLEDGMENTS

- For conducting the workshop on “Creating Quizzes and Grading in LMS” (as the resource person) for the academic staff of the faculty on 27.10.2020.
- For the contribution given as a member of the Master Plan Development Committee/ Master Plan from 2011-2025, Faculty of Agriculture, Rajarata University of Sri Lanka.
- For the contribution to the Annual Research Symposium 2013, Rajarata University of Sri Lanka