

DILSHA WIJESINGHE

IT Lecturer cum Assistant Coordinator



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MOTIVATION

An experienced ICT Educator and Academic Coordinator with a proven track record of equipping undergraduate students with industry-relevant software engineering and computing skills. Adept at designing interactive learning experiences, delivering hands-on practical labs, and developing robust assessments that actively improve course completion rates. Demonstrates strong institutional leadership through curriculum alignment, student mentorship, and seamless event and infrastructure coordination. Passionate about bridging the gap between academia and industry, and deeply interested in engaging in impactful computing research to contribute to institutional innovation and the advancement of digital technologies.

PERSONAL DETAILS

Name in Full	: Hettithanthrige Dona Dilsha Rameshi Wijesinghe
Date of Birth	: 06/11/1997
Gender	: Female
Citizenship	: Sri Lanka
NIC No	: 978111149V

ACADEMIC QUALIFICATIONS

Academic Integrity in Sri Lankan IT Degree Programs

- **Following MSc in Information Technology:** Sri Lanka Institute of Information Technology (SLIIT)
(Jan 2026 – Present)
- **Bachelor of Information and Communication Technology (Honors):** South Eastern University of Sri Lanka.
(Feb 2019 – Sep 2024)

Result	:	Second Upper-class
Medium of Instruction	:	English
Specialization	:	Software Technologies
Grade Point Average (Overall)	:	3.58

- **Course in Office Application:** Zonal computer Resource Centre, Galahitiyawa, National College
(September 2017 – December 2017)

Result	:	Completed
Medium of Instruction	:	English

- **Certificate Courses**

Digmax edu lk	:	Basic Java developments
Freecodecamp	:	Front end development
Freecodecamp	:	Responsive Web design
Udemy	:	HTML course
Cisco networking academy	:	Networking Essentials
Openedg	:	Programming in python
Research excellence advisor	:	Research Methodology

RESEARCH EXPERIENCE & PUBLICATIONS

- Undergraduate Research at South Eastern University, Sri Lanka
Title: Developing a mobile application to enhance the math skills of autistic children (2024)
The research focuses on the children diagnosed with autism spectrum disorder. This project aims to enhance math skills of those children by using technological solutions. A mobile application was developed to fill one of the gaps which is finger counting. By using the mobile application developed through the research the students could show an immense progress rather using traditional patterns.
- BCIRC International Journal at BCI Campus Negombo, Sri Lanka (2025)
Title: Federated Learning Frameworks for Cloud Performance: Privacy, Communication, Computation and Scalability Challenges.
- 11th International Conference on Information and Communication Technology (ICICT 2026).
Title: Improved Weighted Class Complexity Measure with Object-Oriented Specific Factors
Title: Toward Cognitively Grounded Software Complexity Measurement: The C2M Metric
- 9th IEEE International Research Conference on Smart Computing & Systems Engineering (SCSE 2026) at the University of Kelaniya. *Published in the IEEE Xplore Digital Library*
Title: Extending Cognitive Complexity Measurement to Modern Programming Constructs: Generics, Lambdas, and Asynchronous APIs.
<https://ieeexplore.ieee.org/document/11499801>
Title: A Practical Tool for Object-Oriented Code Complexity Analysis Based on the ICB Metric
<https://ieeexplore.ieee.org/document/11499765>

PROJECTS

- **Projects Related to Lectures**

LARAVEL CRUD OPERATION (2024)

This laravel CRUD project based on student management system was developed as a guidance for the students to enhance their understanding of using CRUD. The project serves as a practical example of how to implement Create, Read, Update, and Delete (CRUD) functionalities, utilizing laravel. By working through this project, students gain hands-on experience in building dynamic applications, applying fundamental concepts of web development, and learning how front-end and back-end technologies interact within a modern Internet application.

Project source link - [git@github.com:dilsha-web/laravel_CRUD.git](https://github.com:dilsha-web/laravel_CRUD.git)

- **Research Project**

SMARTCOUNT - A MOBILE APPLICATION FOR AUTISTIC CHILDREN (Research Project - (2024))

Supervisor: Miss M.S. Shafana (Senior Lecturer), South Eastern University, Sri Lanka

A mobile application was developed to enhance the counting skills of the children diagnosed with autism spectrum disorder. This also shows how technological solutions impact on their interaction rather traditional teaching methods.

- **Mini Group Project**

E-TICKETING SYSTEM USING VUE AND LARAVEL

Group Project in the internship (Team Leader)

This project aimed to develop an e ticketing system for the passengers who travel using trains. This has been done using vue as the front-end and laravel as the backend. I was responsible in managing the team as well as in back-end development.

Project source link - [git@github.com:AppsDept-Industrial-Training/project-team-1.git](https://github.com:AppsDept-Industrial-Training/project-team-1.git)

EMPLOYMENT

- **IT Lecturer cum Assistant Coordinator** at BCI Campus, Negombo, Sri Lanka

May 2025 – Present

As a dedicated Higher Education Lecturer and Academic Coordinator, I specialize in delivering comprehensive undergraduate instruction in Software Engineering, including Introduction to Software Engineering, Software Engineering Methods, and Software Requirements Engineering. My teaching portfolio extends to professional short courses, where I equip students with foundational skills in MS Office, Web Design (HTML & CSS), and Java programming. Beyond the classroom, I drive departmental success as a Coordinator by managing year-wise academic tasks, authoring examination papers, and organizing key academic and student events. This dual experience combines robust technical instruction with effective administrative leadership to foster an engaging learning environment

- **Temporary Demonstrator** at South Eastern University, Sri Lanka

October 2024 – April 2025

Developed and delivered engaging lectures and practical labs in advanced software engineering topics, including JavaScript, PHP. Fostered critical thinking and problem-solving abilities through project-based learning, guiding students in building web applications and software solutions. Provided comprehensive instruction in essential ICT fundamentals, covering Microsoft Office tools and core computing concepts. Also taught distributed cloud computing mechanisms like RPC, RMI, MPI and Fortran using ubuntu VM. Cultivated a supportive and inclusive learning environment, mentoring students and offering personalized guidance to enhance their academic success.

Skills: Mentoring and academic guidance, Web system technologies, Parallel computing mechanisms, Problem-solving and critical thinking.

- **Full Stack Developer | Intern** at AppsDept (PVT) LTD, Sri Lanka

March 2024 – September 2024

Eager Intern Software Engineer with experience in the full software development lifecycle (SDLC) seeking a new opportunity to leverage strong programming skills and problem-solving abilities. Successfully developed websites using vue and collaborated effectively with senior developers and designers at AppsDept Private Limited, demonstrating a commitment to continuous learning and high-quality software solutions

- **Associate Math Tutor** at Third Space Global (PVT) Ltd, Sri Lanka

December 2017 – January 2019

Worked as an online math tutor where mathematics was taught for the primary students in UK. As a qualified math tutor more than 30 sessions were conducted per week using an interactive platform. Could have an experience on strong mathematical and analytical skills, teaching techniques and verbal communication skills.

LANGUAGE FLUENCY

Sinhala: Native

English: Fluent

EXTRACURRICULAR ACTIVITIES

- Mentor at Avinya Academy Mentorship Program
- Netball team member
- Participated in swimming competitions

NON-RELATED REFEREES

Mr. Sujah Ameer

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