

**Faculty Talk: Insightful Seminar Series**  
**Faculty of Livestock, Fisheries, and Nutrition**  
**Wayamba University of Sri Lanka**

<b>Topic</b>	<b>AI-Assisted Smartphone Application to Track and Record Diets of Female Adolescents in Sri Lanka</b>
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**Overview**

Adolescence is a critical period where food habits and choices are integral for the latter life's health and wellness. Hence, it is necessary to develop healthy eating practices and better food choices and collect accurate dietary data from adolescents. Although there are several traditional methods for dietary assessment, they are often time-consuming, may not be reliable, and have complex protocols that require an extensive amount of resources including time and trained individuals. As mobile phones, computers, and smart devices are widely used by adolescents of all income levels, it can be an ingenious way to influence dietary patterns and collect dietary data from adolescents. In this milieu, this study aims to examine the acceptability, usability, and likability of a novel AI-based mobile phone app prototype to be developed for image recognition of food, provide feedback to motivate users to make healthier food choices and improve the diets of adolescents.

<b>Speaker</b>	<b>Dr. Thushanthi Perera, Senior Lecturer</b> Department of Applied Nutrition, Faculty of Livestock, Fisheries, and Nutrition Wayamba University of Sri Lanka
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Dr. Thushanthi Perera received her doctorate in 2018 at Oregon State University, USA. She also holds two Master of Science degrees obtained from Oklahoma State University, USA, and the Postgraduate Institute of Agriculture, University of Peradeniya. She completed her bachelor's degree in Agricultural Technology and Management in 2009 from University of Peradeniya.

Dr. Perera's area of expertise lies primarily in the field of Public Health Nutrition. Her current research aspirations revolve around food security and healthy food systems and food environments, food literacy education, innovative nutrition education and awareness through DigiTech frameworks.

She currently serves as a Senior Lecturer in the Department of Applied Nutrition.

<b>Moderator</b>	<b>Dr. W.A. Harindra Champa, Chairman, Research Development and Publication Committee, Faculty of Livestock, Fisheries and Nutrition</b>
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<b>Date &amp; Time</b>	<b>11:30 AM - 12:00 Noon on 2<sup>nd</sup> October, 2024</b>
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<b>Venue</b>	<b>Auditorium, Faculty of Livestock, Fisheries and Nutrition</b>
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<b>Contact</b>	<b>For inquiries, please contact Dr. W.A. Harindra Champa, Chairman, RDPC, FLFN, WUSL. Email: harindra.bsu@wyb.ac.lk</b>
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**Organized by: Research, Development and Publication Committee**  
**Faculty of Livestock, Fisheries, and Nutrition**