

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

**Topic**

**Advancing Nutrition through Digital Innovations: Insights from the PlantVillage Food App**

**Overview**

Digital innovations are increasingly reshaping methodologies in nutrition assessment, surveillance, and interventions. PlantVillage Food is an AI-assisted smartphone application developed to support dietary assessment and promote healthier food choices. Drawing on its adaptation, validation, and feasibility testing in Sri Lanka, the application demonstrates potential for generating real-time dietary and food environment data. Furthermore, it provides insights into future opportunities for leveraging artificial intelligence and digital technologies to advance nutrition research, inform policy decisions, and strengthen public health interventions.

**Speaker**

**Nilmini Karunarathna**

PhD Candidate, Department of Nutrition and Dietetics, Wayamba University of Sri Lanka



Ms. Nilmini Karunarathna graduated from the Department of Nutrition and Dietetics, Wayamba University of Sri Lanka, in 2022, earning a BSc (Hons) in Food Science and Nutrition. She is currently reading for her PhD in the Department of Nutrition and Dietetics at Wayamba University of Sri Lanka. Her research interests primarily focus on adolescent nutrition, dietary assessment, digital and AI-assisted dietary monitoring, and behaviour change interventions in nutrition.

**Moderator**

**Prof. W.A. Harindra Champa, PhD, Chairperson, Research Development and Publication Committee, Faculty of Livestock, Fisheries and Nutrition, Wayamba University of Sri Lanka.**

**Date & Time**

**11:30 AM – 12.00 noon on 01<sup>st</sup> July 2026**

**Venue**

**Aquaculture & Fisheries Lecture Room, Faculty of Livestock, Fisheries and Nutrition**

**Contact**

**For inquiries, please contact Prof. W.A. Harindra Champa, Chairman, RDPC, FLFN, WUSL. Email: harindra.bsu@wyb.ac.lk**

**Organized by: Research, Development and Publication Committee**  
**Faculty of Livestock, Fisheries, and Nutrition**