Udaya Wijenayake

SENIOR LECTURER · RESEARCHER · CONSULTANT

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EDUCATION

Mar 2013 – Feb 2018	**Ph.D.** in Computer Science & Engineering KYUNGPOOK NATIONAL UNIVERSITY, SOUTH KOREA

Dissertation: Real-time Respiratory Motion Measurement Using an RGB-D Camera and Principal Component Analysis
GPA: 3.94/4.3

Mar 2011 – Feb 2013	**M.Sc.** in Electrical Engineering & Comp. Sci. KYUNGPOOK NATIONAL UNIVERSITY, SOUTH KOREA

Dissertation: An Error Correcting 3D Scanning Technique Using Dual Pseudorandom Arrays
GPA: 3.84/4.3

Jul 2006 – Oct 2010	**B.Sc.** in Computer Science (Hons) UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING, SRI LANKA

Final Year Project (Individual): Content Mapping System for Efficient Audio File Searching
GPA: 3.23/4.25

Jun 1997 – Aug 2005	**G.C.E. (A/L)** in Physical Science Stream ROYAL COLLEGE, COLOMBO 07, SRI LANKA

Physics - A, Chemistry - A, Combined Mathematics - C
G.C.E. (O/L) A grade (highest grade) for all subjects

PROFESSIONAL EXPERIENCE

Jun 2023 – Present	**Head of the Department** UNIVERSITY OF SRI JAYEWARDENEPURA , SRI LANKA

Department of Computer Engineering
Faculty of Engineering

Sep 2024 – Sep 2025	**Consultant Dean** ESOFT UNI, SRI LANKA

Faculty of Postgraduate Studies and Research

Oct 2018 – Present	**Senior Lecturer – Grade II** UNIVERSITY OF SRI JAYEWARDENEPURA , SRI LANKA

Department of Computer Engineering
Faculty of Engineering

Aug 2018 – Oct 2018	**Senior Lecturer – On Contract** UNIVERSITY OF SRI JAYEWARDENEPURA , SRI LANKA

Department of Computer Engineering
Faculty of Engineering

Aug 2017 – Jul 2018	**Lecturer – On Contract** UNIVERSITY OF SRI JAYEWARDENEPURA , SRI LANKA

Department of Computer Engineering
Faculty of Engineering

Mar 2011 – Jul 2017	**Research Assistant** KYUNGPOOK NATIONAL UNIVERSITY , SOUTH KOREA

Computer & Robot Vision Lab.
School of Computer Science & Engineering

Mar 2009 – Aug 2009	**Software Engineer – Intern** VIRTUSA PVT. LTD., SRI LANKA

Publications

Journal Publications

1. Dasun Tharaka, Abisheka Withanage, Nipun Shantha Kahatapitiya, Ruvini Abhayapala, Udaya Wijenayake, Akila Wijethunge, Naresh Kumar Ravichandran, Bhagya Nathali Silva, Mansik Jeon, Jeehyun Kim, Udayagee Kumarasinghe, and Ruchire Eranga Wijesinghe. Optical coherence imaging hybridized deep learning framework for automated plant bud classification in emasculation processes: A pilot study. *Photonics*, 12(10), 2025

2. Pramoda Maheshi Jayasekara, Praveen Abhishek, Nipun Shantha Kahatapitiya, Manura Weerasinghe, Bimsara Sandaruwan Kahandawala, Bhagya Nathali Silva, Udaya Wijenayake, Anushka Upamali Rajapaksha, Ruchire Eranga Wijesinghe, and Meththika Vithanage. Environmental forensics of the x-press pearl disaster: Uncovering the internal micro-structural transformations in marine microplastics. *Journal of Hazardous Materials*, 496:139231, 2025

3. Navodya Rathnasekara and Udaya Wijenayake. Drug recommendation system based on medical condition classification and sentiment analysis of drug reviews. *The International Journal on Advances in ICT for Emerging Regions*, 18(2), 2025

4. Rasanjalee Rathnayake, Nimantha Madhushan, Akila Subasinghe, and Udaya Wijenayake. A novel non-learning-based iris localization algorithm based on maximum black pixel count. *Advances in Technology*, 4(01), 2024

5. Nipun Shantha Kahatapitiya, Deshan Kalupahana, Hana Mohamed, Bhagya Nathali Silva, Udaya Wijenayake, Sangyeob Han, Daewoon Seong, Mansik Jeon, Jeehyun Kim, and Ruchire Eranga Wijesinghe. Detection of peak intensity using an integrated optical modeling method for identifying defective apple leaves. *Engineering Proceedings*, 82(1):45, 2024

6. Deshan Kalupahana, Nipun Shantha Kahatapitiya, Dilakshan Kamalathasan, Ruchire Eranga Wijesinghe, Bhagya Nathali Silva, and Udaya Wijenayake. State-of-the-art of deep learning in multidisciplinary optical coherence tomography applications. *IEEE Access*, 12:164462–164490, 2024

7. Hana Mohamed, Suresh Kalum Kathriarachchi, Nipun Shantha Kahatapitiya, Bhagya Nathali Silva, Deshan Kalupahana, Sajith Edirisinghe, Udaya Wijenayake, Naresh Kumar Ravichandran, and Ruchire Eranga Wijesinghe. Early-stage prototype assessment of cost-effective non-intrusive wearable device for instant home fetal movement and distress detection: A pilot study. *Diagnostics*, 14(17), 2024

8. Deshan Kalupahana, Nipun Shantha Kahatapitiya, Bhagya Nathali Silva, Jeehyun Kim, Mansik Jeon, Udaya Wijenayake, and Ruchire Eranga Wijesinghe. Dense convolutional neural network-based deep learning pipeline for pre-identification of circular leaf spot disease of diospyros kaki leaves using optical coherence tomography. *Sensors*, 24(16), 2024

9. Rasanjalee Rathnayake, Nimantha Madhushan, Ashmini Jeeva, Dhanushika Darshani, Imesh Pathirana, Sourin Ghosh, Akila Subasinghe, Bhagya Nathali Silva, and Udaya Wijenayake. Real-time multi-spectral iris extraction in diversified eye images utilizing convolutional neural networks. *IEEE Access*, 12:93283–93293, 2024

10. Ruchire Eranga Wijesinghe, Nipun Shantha Kahatapitiya, Changho Lee, Sangyeob Han, Shinheon Kim, Sm Abu Saleah, Daewoon Seong, Bhagya Nathali Silva, Udaya Wijenayake, Naresh Kumar Ravichandran, Mansik Jeon, and Jeehyun Kim. Growing trend to adopt speckle variance optical coherence tomography for biological tissue assessments in pre-clinical applications. *Micromachines*, 15(5), 2024

11. Rasanjalee Rathnayake, Nimantha Madhushan, Ashmini Jeeva, Dhanushika Darshani, Akila Subasinghe, Bhagya Nathali Silva, Lakshitha Wijesingha, and Udaya Wijenayake. Current trends in human pupil localization: A review. *IEEE Access*, pages 1–1, 2023

12. Mohomad Aqeel Abdhul Rahuman, Nipun Shantha Kahatapitiya, Viraj Niroshan Amarakoon, Udaya Wijenayake, Bhagya Nathali Silva, Mansik Jeon, Jeehyun Kim, Naresh Kumar Ravichandran, and Ruchire Eranga Wijesinghe. Recent technological progress of fiber-optical sensors for bio-mechatronics applications. *Technologies*, 11(6), 2023

13. B.N. Silva, M. Khan, R.E. Wijesinghe, and U. Wijenayake. Meta-heuristic optimization based cost efficient demand-side management for sustainable smart communities. *Energy and Buildings*, page 113599, 2023

14. Daksith Jayasinghe, Chandima Abeysinghe, Ramitha Opanayaka, Randima Dinalankara, Bhagya Nathali Silva, Ruchire Eranga Wijesinghe, and Udaya Wijenayake. Minimizing the effect of specular reflection on object detection and pose estimation of bin picking systems using deep learning. *Machines*, 11(1), 2023

15. Udaya Wijenayake and Soon-Yong Park. Real-time external respiratory motion measuring technique using an rgb-d camera and principal component analysis. *Sensors*, 17(8):1840, 2017

16. Udaya Wijenayake, Sung-In Choi, and Soon-Yong Park. Stereo vision-based 3d pose estimation of product labels for bin picking. *Journal of Institute of Control, Robotics and Systems*, 22(1):8–16, 2016

17. Eung-su Kim, Kye-Kyung Kim, Udaya Wijenayake, and Soon-Yong Park. Accurate pose measurement of label-attached small objects using a 3d vision technique. *Journal of Institute of Control, Robotics and Systems*, 22(10):839–846, 2016

18. Udaya Wijenayake and Soon-Yong Park. Dual pseudorandom array technique for error correction and hole filling of color structured-light three-dimensional scanning. *Optical Engineering*, 54(4):043109, 2015

19. Udaya Wijenayake and Soon-Yong Park. Patient respiratory motion tracking using visual coded markers. *Journal of the Institute of Electronics and Information Engineers*, 51(12):111–122, 2014

CONFERENCE PUBLICATIONS

1. Adithya Rajapakshe, Dinushika Chithrani, Dhanuka Jayasinghe, Umaya Bhashini Balagalla, Bhathiya Pilanawithana, Uditha Wijewardhana, and Udaya Wijenayake. A robust vision-based dynamic sign language recognition using a hybrid cnn-lstm model. In *2025 5th International Conference on Advanced Research in Computing* (ICARC), pages 1–6. IEEE, 2025

2. Nirodya Pussadeniya, Ruchira Wijesinghe, Udaya Wijenayake, and Bhagya Silva. Cara: A hybrid framework integrating swarm ai agents and knowledge graphs for advanced llm reasoning. In *2024 6th International Conference on Advancements in Computing* (ICAC), pages 390–395, 2024

3. Nethmi Tharushi Hakmana, Nipun Shantha Kahatapitiya, Sasmitha Weerasinghe, Deshan Kalupahana, Bhagya Nathali Silva, Naresh Kumar Ravichandran, Daewoon Seong, Sangyeob Han, Seung Yeol Lee, Hee-Young June, Mansik Jeon, Jeehyun Kim, Udaya Wijenayake, and Ruchire Eranga Wijesinghe. High-resolution optical imaging incorporated non-destructive morphological boundary detection of fruit disorders: A pilot study. In *2024 6th International Conference on Advancements in Computing* (ICAC), pages 300–305, 2024

4. Dinithi Bhagya Weerasekara, Nipun Shantha Kahatapitiya, Nuwan Sanjeewa, Vimukthi Madushan Wathudura, Nuwan Prasanna, Deshan Kalupahana, Udaya Wijenayake, Bhagya Nathali Silva, Akila Wijethunge, and Ruchire Eranga Wijesinghe. Image acquisition and deep convolutional neural network incorporated cost-effective automated nursery disease detection method for the tea industry. In *2024 Moratuwa Engineering Research Conference* (MERCon), pages 578–583, 2024

5. Jathurshan Pathmarasa, Udaya Wijenayake, Ruchire Eranga Wijesinghe, and Bhagya Nathali Silva. An exploratory study of diverse models and datasets for transfer learning based image classification on sparse data. In *2024 Moratuwa Engineering Research Conference* (MERCon), pages 324–329, 2024

6. Erandi K Herath and Udaya Wijenayake. Statistical and exploratory data analysis on indian premier league. In *Proceedings of Conference on Transdisciplinary Research in Engineering*, volume 1, 2024

7. Prabodha Y Abeynayake and Udaya Wijenayake. Detection of malicious urls using machine learning based on lexical features. In *Proceedings of Conference on Transdisciplinary Research in Engineering*, volume 1, 2024

8. Dinushika Chithrani, Adithya Rajapakshe, Dhanuka Jayasinghe, Umaya Balagalla, Bhathiya Pilanawithana, Uditha Wijewardhana, and Udaya Wijenayake. Advancements in vision-based sign language recognition: A comprehensive review. In *Proceedings of Conference on Transdisciplinary Research in Engineering*, volume 1, 2024

9. Rashmika Silva, Hansi Karunarathna, Isora Dolage, Kavish Rajakaruna, Krishanthmohan Ratnam, and Udaya Wijenayake. Nerambum: A virtual exhibition platform. In *Proceedings of Conference on Transdisciplinary Research in Engineering*, volume 1, 2024

10. Sahara Ameer, Abdul Rahuman, Randhima Dinalankara, Udaya Wijenayake, et al. Traffic violation detection system. In *Proceedings of Conference on Transdisciplinary Research in Engineering*, volume 1, 2024

11. Prabodha Y Abeynayake and Udaya Wijenayake. Case study: Performance analysis throughout the history in summer and winter olympics. In *Proceedings of Conference on Transdisciplinary Research in Engineering*, volume 1, 2024

12. Erandi Herath and Udaya Wijenayake. A novel approach to enhance the efficiency of apriori algorithm. In *Proceedings of Conference on Transdisciplinary Research in Engineering*, volume 1, 2024

13. Mayura Manawadu and Udaya Wijenayake. Voice-assisted real-time traffic sign recognition system using convolutional neural network. In *International Conference on Advanced Research in Computing*, 2021

14. Isuru Herath, Randima Dinalankara, and Udaya Wijenayake. Crime analysis, prediction and simulation platform based on machine learning. In *3rd International Conference on Advancements in Computing*, 2021

15. Udaya Wijenayake, Pathum Rathnayaka, and Soon-Yong Park. Accurate 3d pose estimation of visual coded markers. *Korean Society of Electronic Engineering Summer Conference*, pages 717–719, 2017

16. Udaya Wijenayake and Soon-Yong Park. Pca based analysis of external respiratory motion using an rgb-d camera. In *2016 IEEE International Symposium on Medical Measurements and Applications* (*MeMeA*), pages 1–6. IEEE, 2016

17. Udaya Wijenayake, Eung-Su Kim, and Soon-Yong Park. Stereo vision based 3d pose estimation of product labels. 제어로봇시스템학회 국내학술대회 논문집, pages 53–54, 2016

18. Udaya Wijenayake, Sung-In Choi, and Soon-Yong Park. Accurate label detection technique for 3d vision based robotic bin picking. In *10th Korea Robotic Society Annual Conference*, pages 94–95, 2015

19. Udaya Wijenayake and Soon-Yong Park. Patient specific external respiratory motion modeling using depth sensors. In *Workshop on Image Processing and Image Understanding*, 2015

20. Udaya Wijenayake, Sung-In Choi, and Soon-Yong Park. Automatic detection and decoding of photogrammetric coded targets. In *2014 International Conference on Electronics, Information and Communications* (*ICEIC*), pages 1–2. IEEE, 2014

21. Udaya Wijenayake and Soon-Yong Park. Respiratory motion estimation using visual coded markers for radiotherapy. In *Proceedings of the 29th Annual ACM Symposium on Applied Computing*, pages 1751–1752, 2014

22. Sung-In Choi, Udaya Wijenayake, and Soon-Yong Park. Efficient extrinsic calibration of a laser range finder and camera using multiple edge registration. In *2014 International Conference on Electronics, Information and Communications* (*ICEIC*), pages 1–2. IEEE, 2014

23. Sung-In Choi, Seung-Hae Baek, Udaya Wijenayake, and Soon-Yong Park. 마커 및 특징점 융합 기반 근거리 정밀 사진계측 시스템. In *Workshop on Image Processing and Image Understanding*, 2014

24. Udaya Wijenayake and Soon-Yong Park. Robust visual coded marker tracking technique for respiratory motion estimation. In *Workshop on Image Processing and Image Understanding*, 2014

25. Udaya Wijenayake, Seung-Hae Baek, and Soon-Yong Park. A fast and dense 3d scanning technique using dual pseudorandom arrays and a hole-filling method. In *Workshop on Image Processing and Image Understanding*, 2013

26. Sung-In Choi, Udaya Wijenayake, and Soon-Yong Park. Head pose tracking using gpu based real-time 3d registration. In *2013 IEEE RO-MAN*, pages 114–119. IEEE, 2013

27. Sung-In Choi, Udaya Wijenayake, and Soon-Yong Park. Gpu 기반 실시간 3차원 정합을 이용한 얼굴자세추적. In *KRoC*, 2013

28. Udaya Wijenayake, Sung-In Choi, and Soon-Yong Park. Combination of color and binary pattern codification for an error correcting m-array technique. In *2012 Ninth Conference on Computer and Robot Vision*, pages 139–146. IEEE, 2012

29. Udaya Wijenayake, Seung-Hae Baek, and Soon-Yong Park. An error correcting 3d scanning technique using dual pseudorandom arrays. In *2012 Second International Conference on 3D Imaging, Modeling, Processing, Visualization & Transmission*, pages 517–523. IEEE, 2012

30. Udaya Wijenayake and Soon-Yong Park. An m-array technique for generating random binary pattern based on a connectivity constraint. In *Workshop on Image Processing and Image Understanding*, 2012

31. Seun-Hae Baek, Udaya Wijenayake, and Soon-Yong Park. 이진 m-array 패턴영상의 고밀도 디코딩. In *KRoC*, 2012

ABSTRACTS

1. R Rathnayake, N Madhushan, A Subasinghe, and U Wijenayake. A novel iris localization algorithm based on maximum black pixel count. In *International Conference on Innovation and Emerging Technologies* (*ICIET*), 2022

2. Buddhika Weerasinghe, Buddhipriya Gayanath, Udaya Wijenayake, and Akarshani Amarasinghe. Understanding the mental trauma caused by covid-19 pandemic as a population-level study by analyzing tweets. In *International Conference on Innovation and Emerging Technologies* (*ICIET*), 2021

3. Karunanayake KMKS, Fernando WRM, De Silva KMS, Gajanayake GMLP, Weerasinghe WND, Wijenayake UK, and Dharmaweera MN. Tech walk: An artificial intelligence - based smart aid for visually impaired people in sri lanka. In *7th International Conference of Sabaragamuwa University of Sri Lanka* (*ICSUSL*), page 87, 2019

4. Isuru Sachitha Bandara Herath, Udaya Wijenayake, and Randima Dinalankara. Iot based intelligent domestic water management system. In *7th International Conference of Sabaragamuwa University of Sri Lanka* (*ICSUSL*), 2019

AWARDS & HONORS

2024	First Runner Up - Tertiary (Technology)	APICTA 2024
2024	Silver Award - Tertiary (Technology)	NBQSA 2024
2024	Best Paper Award - Big Data and Artifical Intelligence Track	CONTRE 2024
2023	Merit Award - Tertiary (Technology)	NBQSA 2023
2022	Merit Award - Tertiary (Technology)	NBQSA 2022
2021	Best Paper Award - Data Science and Applications Track	ICARC 2021
2019	Fourth place under Robotics and Embedded Systems	INNOVATE SRI LANKA
2018	Highest Citations in the Faculty of Engineering	RESEARCH AWARDS, USJ
2018	Highest H-Index in the Faculty of Engineering	RESEARCH AWARDS, USJ
2016	Student Travel Grant Award	IEEE SYMPOSIUM ON MEDICAL MEASUREMENTS AND APPLICATIONS
2013 – 2015	KNU Honors Scholarship for Ph.D. Studies	KYUNGPOOK NATIONAL UNIVERSITY, SOUTH KOREA

2011 – 2013	KNU Honors Scholarship for M.Sc. Studies	KYUNGPOOK NATIONAL UNIVERSITY, SOUTH KOREA
2006	Mahapola Scholarship for Higher Education	UNIVERSITY GRANT COMMISSION, SRI LANKA

TEACHING EXPERIENCE

Teaching   DEPARTMENT OF COMPUTER ENGINEERING, UNIVERSITY OF SRI JAYEWARDENEPURA

- CO1302 Programming for Engineers – 2017 (partially)
- CO2201 Data Structures and Algorithms – 2018, 2019, 2020, 2021, 2022, 2023, 2024
- CO2203 Object Oriented Programming – 2018, 2019, 2020, 2021, 2022
- CO2206 Operating Systems – 2018, 2019, 2020, 2021, 2023, 204
- CO4204 Computer Vision and Image Processing – 2020, 2021, 2022, 2023, 2024
- CO4352 Advanced Algorithms – 2020, 2021, 2022

Coordinating   DEPARTMENT OF COMPUTER ENGINEERING, UNIVERSITY OF SRI JAYEWARDENEPURA

- CO3302 Computer Engineering Project – 2022
- CO3554 Data Management Project – 2019, 2020, 2021, 2022
- CO3600 Industry Training – 2020, 2021, 2022, 2023
- CO4002 Engineering Project – 2021, 2022, 2023, 2024
- CO4306 Software Architecture and Design – 2020, 2021
- CO4256 Mobile Application Development – 2020

Visiting Lecturer   EDITH COWAN UNIVERSITY, SRI LANKA

- MAT1252.3 Mathematics for Computing – 2023-1, 2023-2, 2023-3, 2024-1, 2024-2, 2024-3
- CSP2348 Data Structures – 2023-3, 2024-2

Visiting Lecturer   ESOFT, SRI LANKA

- CI7320 Databases and Data Management – 2023

Visiting Lecturer   CICRA CAMPUS, SRI LANKA

- SIT221 Data Structures and Algorithms – 2024

OTHER SERVICES

2024	Student Union, Faculty of Engineering, USJ	SENIOR TREASURER
2023	ConTRE 2024 - Rsearch Conference, Faculty of Engineering, USJ	ORAGANIZING COMMITTEE MEMBER
2023	Mezclar 2023 - Industry Linkage Event, Faculty of Engineering, USJ	CHAIR
2023	Faculty Resource Utilization Committee, Faculty of Engineering, USJ	CHAIR
2022 – Present	Career Guidance Cell, Faculty of Engineering, USJ	ACADEMIC CAREER ADVISOR
2022	Academic Calendar Synchronization Committee, Faculty of Engineering, USJ	CHAIR
2022	Career Guidance Cell, Faculty of Engineering, USJ	DEPARTMENT REPRESENTATIVE
2022 – Present	Computer Engineering Society (CENSOC), USJ	SENIOR TREASURER
2021 – Present	Students for the Exploration and Development of Space (SEDS), USJ	SENIOR TREASURER/ ADVISOR
2020	Orientation Committee, Faculty of Engineering, USJ	CHAIRMAN
2020	Faculty of Graduate Studies, University of Ruhuna	THESIS EVALUATION EXAMINER
2019 – 2020	Centre for Gender Equity and Equality, USJ	FACULTY REPRESENTATIVE
2019	Oriention Committee, Faculty of Engineering, USJ	CO-CHAIR
2019 – 2023	Department of Computer Engineering, USJ	INDUSTRIAL TRAINING COORDINATOR
2019 – Present	Board of Study, Faculty of Engineering, USJ	MEMBER
2019 – Present	Research Council, USJ	FACULTY REPRESENTATIVE
May 2019	Department of Computer Engineering, USJ	ACTING HEAD

2018 – 2022   Research Committee, Faculty of Engineering, USJ   DEPARTMENT REPRESENTATIVE/ CONVENER

RESEARCH & PROJECT SUPERVISION

2025 – Present   Ms. Fathima Shazna   MPHIL
Research Title: Enhancing Mobile App Usability Prediction through Ensemble Learning Techniques

2024 – Present   Ms. Akarshani Amarasinghe   PHD
Research Title: Multi-Goal Seeking Path Planning Algorithm

2021 – 2025   Ms. Rasanjalee Rathnayaka   MPHIL
Research Title: A combination of eye gaze detection and brain sensing to improve the accuracy of human-computer interaction for handicapped people

2021 – 2024   Mr. Deshan Kalupahana   MPHIL
Research Title: A deep learning approach for the automated pre-identification and analysis of Circular leaf spot disease in Persimmon using Optical Coherence Tomography images

2022 – 2023   M Karunarathna, I Dolage, R Silva and K Rajakaruna   UNDERGRADUATE FYP
Project Title: NARAMBUM: Virtual Exhibition Platform

2022 – 2023   S Himalka, P Ranasinghe, W Ravinath, and M Hirushan   UNDERGRADUATE FYP
Project Title: SAWAN: Speech to Sign Conversion Avatar for Deaf People

2022 – 2023   V Anantharam, J Thusyanthan, and J Thvanankumaran   UNDERGRADUATE FYP
Project Title: Assistive Home for Blind Persons

2021 – 2022   M Manawadu, G Chathuranga, M Wijesingha and C Weerasooriya   UNDERGRADUATE FYP
Project Title: ABHISES: An Intelligent Virtual Tour Guide

2021 – 2022   Isuru Samaranayake, Tharushika Nishavi, and Anjana Ishara   UNDERGRADUATE FYP
Project Title: Automated Wearhouse Management Robot Using SLAM

2021 – 2022   Isuru Sathsara, Ayeshan Udayanga, and Pavani Jayalath   UNDERGRADUATE FYP
Project Title: Automatic Chess Playing Robot

2021 – 2022   Buddhika Weerasinghe, Udayanga Karunarathna, and Apsara Shalindi   UNDERGRADUATE FYP
Project Title: Exhibit It: A Virtual Exhibition Platform

2020 – 2021   Daksith Jayasinghe, Chandima Abeysingha, and Ramitha Opanayaka   UNDERGRADUATE FYP
Project Title: Minimizing the effect of specular reflection on object detection and pose estimation

2020 – 2021   T Parththeepan, T Radchakan, and S Sanchayan   UNDERGRADUATE FYP
Project Title: Computer vision based adaptive headlights

2020 – 2021   Hansani Rathnasekara, Sahan Kavinda, and Mohammed Atheeb   UNDERGRADUATE FYP
Project Title: Patient Monitoring and Alerting System

RESEARCH GRANTS

2022 – 2023   STHRD Project funded by ADB   161,216 USD.
Research Title: AI-OCT: AI-based plant disease identification using OCT

2021 – 2023   STHRD Project funded by ADB   10.5 M LKR
                Research Title: Affordable Smart Homes

2022 – 2025   University of Sri Jayewardenpura Research Grants   3.0 M LKR
                Research Title: A deep learning approach for the automated pre-identification and analysis of leaf diseases
                using Optical Coherence Tomography images

CERTIFICATES

2020   Certificate Course in Teaching in Higher Education   UNIVERSITY OF SRI JAYEWARDENEPURA
2008   Sun Certified Programmer for J2SE 5.0   SUN MICROSYSTEM
2005   Diploma in Graphic Designing   INSTITUTE OF COMPUTER EDUCATION

REFERENCES

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Department of Electronic Engineering,
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