

Curriculum Vitae

Hapuarachchige Don Nelaka Shayamal Priyankara
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Education qualifications

| Year | Qualification | Institution |
|------|--|-----------------------------------|
| 2017 | Master of Science in Electronics and Automation | University of Moratuwa, Sri Lanka |
| 2007 | Bachelor of Technology in Engineering in Electronics and Communication | The Open University of Sri Lanka |

Postgraduate dissertation:

“Controller design for a cable driven suspended payload”.

Undergraduate projects:

“SMS Transceiver” to exchange (variable parameter like temperature, humidity, Electricity meter reading, etc.) information between the Mobile phones from remote stations.

Publications

1. Wijesinghe Singhe, Vithanawasam T.M.W. **Priyankara HDNS** “Fuzzy Logic Controller vs PID Controller for Real Time Magnetic Levitation System” ICIAfS 2018, Galadari Hotel, Colombo, Sri Lanka.
2. Warushawithana M , **Priyankara HDNS** “Probability Function Based Three Dimensional Neural Network” 3rd GARI Winter Research Symposium2017, Galle Face Hotel, Colombo, Sri Lanka.
3. Kulathunga DRGRP, **Priyankara HDNS** “Vision Based Micro Air Bubble Detection Method for Hemodialysis Process” 3rd GARI Winter Research Symposium2017, Galle Face Hotel, Colombo, Sri Lanka.
4. Anuruddha A.D.K, **Priyankara HDNS** “Design and Development An Intelligent Controller For Dual- Axis Light Tracking System” 3rd GARI Winter Research Symposium2017, Galle Face Hotel, Colombo, Sri Lanka.
5. Virajith Bandara and **Priyankara HDNS** “Machine Vision Based Autonomous Landing System for Unmanned Aerial Vehicle” OURS 2017

6. P.M.S.D.K Pathiraja, G Anthonys, **H.D.N.S Priyankara**, “Intelligent Controller for Inverted Pendulum”. SLAAI Annual Conference 2015, Colombo, Sri Lanka.
 7. Rasika Nandana WA, de Mel WR, **Priyankara HDNS**, “Expanding the Frontiers of Engineering Education in Open and Distance Learning by an Online Laboratory Platform”. AAOU JOURNAL, Vol10, No 1. 65.-76.
 8. Rasika Nandana WA, de Mel WR, **Priyankara HDNS**, “Expanding the Frontiers of Engineering Education in Open and Distance Learning by an Online Laboratory Platform”, Annual Conference Asian Association of Open Universities ,28–31 October 2014,Hong Kong.
 9. Rasika Nandana WA, de Mel WR, **Priyankara HDNS**, “Online Remote Laboratory for Open Distance Learning” First International Conference on Open and Distance e-Learning , 22-24 February 2012,Manila,Philippines.
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Awards

Best paper in 3rd International Conference on Engineering and Technology, GARI Winter Research Symposium2017, Galle Face Hotel, Colombo, Sri Lanka.

Paper Title: “Vision Based Micro Air Bubble Detection Method for Hemodialysis Process”

Thurairajah Gold Medal for the Best Project in Bachelor of Technology Honours in Engineering in 2017

Project Title: “Fully autonomous navigation of an unmanned aerial vehicle”

Consultancy

Development of an Electric Hybrid bus on the request of Lanka Electric Vehicle Owner’s Association which was funded by UNDP.

Technical Skills

Sound knowledge in PLC, SolidWorks MATLAB, MPLAB, Arduino, OrCAD (PSpice), PIC simulator IDE

Practical experienced in Festo FACT Centre for Industrial Automation in Sri Lanka, The Open University of Sri Lanka

Working Experience

2017 July – up to date

Senior Lecturer in Mechatronics

Courses: ‘C Programming’, ‘Automotive electronics’, ‘Sensors and Actuators’, ‘Power electronics’, ‘Control systems engineering’ ‘Industrial Automation’, ‘Mechatronics’ and ‘Intelligent control system’

2009 July – 2017 July

Lecturer in Mechatronics

Courses: ‘C Programming’, ‘Automotive electronics’, ‘Sensors and Actuators’, ‘Power electronics’, ‘Control systems engineering’ and ‘Intelligent control system’

2007 December-2009 July

Temporary Lecturer in Mechatronics

In the Department of Mechanical Engineering (Faculty of Engineering Technology) of the Open University of Sri Lanka.

2006 February-
2007 December

Visiting Technician in Mechatronics

In the Department of Mechanical Engineering (Faculty of Engineering Technology) of The Open University of Sri Lanka.

2002- 2004

Line Leader – Quality Control at KMG Lanka Electricals (Pvt.)Ltd

Other Positions Held

2011 October-
2012 October

Assistant Programme Facilitator- SEE Worldwide MSc Programme

Membership of Professional Bodies

2007- up to date

Associate Member of the Institution of Engineers, Sri Lanka (AM/IESL)

2007- up to date

Member of Institute of Electrical and Electronics Engineers (MIEEE)