

Chandana Priyantha Serasingha Pathirana

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Department of Mathematics & Philosophy of Engineering,
The Open University of Sri Lanka, Nawala, Nugegoda, Sri Lanka

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| Career Objective | Being an academic in the discipline of mathematics with an emphasis in engineering mathematics, I wish to gain further experience in the field and disseminate my knowledge. |
| Academic Qualifications | M Phil (Computational and Mathematical Biology), 2013 University of Ruhuna, Sri Lanka MSc (Industrial Mathematics), 2006 University of Sri Jayewardenepura, Sri Lanka B Sc. (SP) (Hons), Second Class Upper Division, 2000 University of Ruhuna, Department Mathematics, Faculty of Science, Sri Lanka Certificate in Teaching in Higher Education, 2011 Staff Development Center, The Open University of Sri Lanka, Sri Lanka |
| Work Experience | Senior Lecturer(Gr I), 1 st Sep 2019 up to date Senior Lecturer(Gr II), 1 st Sep 2013 – 31 st August 2019 Lecturer(Probationary), May 2008 – 31 st August 2013 at Department of Mathematics & Philosophy of Engineering, Faculty of Engineering Technology, The Open University of Sri Lanka, Sri Lanka (OUSL) Temporary Lecturer, July 2001-January 2008 Temporary Tutor, July 2000-July 2001 at Department of Mathematics, Faculty of Science, University of Ruhuna, Sri Lanka. |
| Teaching | Academic course coordination and lecturing at the Department of Mathematics & Philosophy of Engineering Undergraduate Level Engineering Mathematics – Level 3, 4, and 5 Discrete Mathematics – Level 4, 5 Academic Coordinator MHZ3552 – Engineering Mathematics II MHZ3552 – Engineering Mathematics I MHZ3332 – Engineering Mathematics IB MHZ4256 – Mathematics for Computing MHZ5355 – Discrete Mathematics |

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| | <p>Tasks: Course design and development, examinations and assessments, and developing course materials</p> |
| Awads | <ul style="list-style-type: none"> • Sri Lanka Education Leadership Awards – 2020 Best Lecturer in Mathematics Studies Presented by Asian Confederation of Businesses with World Education Congress |
| Education management | <ul style="list-style-type: none"> • Head of the Department of Mathematics & Philosophy of Engineering. OUSL, 1st September 2017 to 31st August 2020. • Serving as a chairman of the registration committee of the Faculty of Engineering Technology in the academic year 20120/2021 • Vice President of the the Open University Teachers' Association(OUTA) from 17th May 17, 2018 • Member of the Senate of the Open University of Sri Lanka from 19th September 2017 -vAugust 2020. • Member of "Statistical Team" in the Open Univerrisity of Sri Lanka from 31st March 2017 up to date. • Acting Head of the department of Mathematics & Philosophy of Engineering. OUSL, 1st January 2017 to 15th February 2017. • Chairman of the Activity Diary committee 2017/2018, Faculty of Engineering Technology, OUSL. • Member of FETSAC (Faculty of Engineering Technology student academic conference) 2015/2016 Academic year. • Convener of curriculum revision (mathematics stream), • Member of Activity diary committee 2015/2016 • EXCO member of the OUTA(Open University Teacher Association) 2015-2106 • Faculty Coordinator at the Matara Regional center, Sri Lanka- August 2008 - August 2010 • Student counselor , 03rd June 2013 to 1st August 2018 • Department representative of: Faculty curriculum development committee Faculty course material development committee Student academic conference 2016 Member of students registration committee <p>Tasks: Department development and administration</p> |
| Research Interests | Mathematical Biology, Mathematical modeling, Statistics and probability |
| Research and Publications | <p>ResearchGate URL: https://www.researchgate.net/profile/Chandana_Pathirana</p> <p>Google Scholar</p> |

URL <https://scholar.google.com/citations?user=BsG2iRwAAAAJ&hl=en>

Conference Papers

D Kodithuwakku, **CPS Pathirana**, BLC Athapaththu, “**Social and economic effects of saltwater intrusion at the Kalu ganga lower basin**”, 76th Annual sessions, SLAAS, 2020.

K.J.Gunasekara, D.N.Balasoriya, C.N.Herath, **C.P.S.Pathirana**, “**Design of a High Precision Yarn Eneness Tester**”, Open University Research Session 2019, 30th and 31st October 2019.

T.Jayaweera, BLC Athapaththu, **CPS Pathirana**, “**E- waste masnagement practices: flea market as a stimulator to promote reuse and recycling of used computers and mobile phones**” 73rd Annual sessions, SLAAS, 2017.

CPS Pathirana, JR wedegedara, N Yapage, “**A stochastics model for T-cell-APC system based on Random Energy Model**”, 2nd Ruhuna Interanational Science & Technology Conference, University of Ruhuna, Sri Lanka, January 2015.

CPS Pathirana, RA Dayananda, P Dias, SB Nawarathne, *Validation of Taguchi Design a quality parameter of Toilet soap manufactured in a local industry*”, Fourth Scince Symposium, Fuculty of Science, University of Ruhuna, Sri Lanka, September 2006.

CPS Pathirana, RA Dayananda, LAW Jayasekara, “Studying of validation of fractional factorial design and Taguchi method using toilet soap in local Industry”, Second Scince Symposium, Fuculty of Science, University of Ruhuna, Sri Lanka, August 2004.

Journal article

KVD Perera, PN Miskitha, JPHPK Jayasekara, **CPS Pathiran**, KS Weerasekara, “Performance of a Sensitivity Analysis on the Multi-Function Network Survey Vehicle”, ENGINEER, The Institute of Engineers, Sri Lanka, Vol XLIX, No.03, 2016.

PYAGS Yapa , DA Tantrigoda and **CPS Pathirana**, “Illustrating the possibility of modeling the gravity anomalies in terms of bodies having density vary with depth”, *Journal of Engineering and Technology (JET)*, The Open University of Sri Lanka, Vol 4, 2016

CPS Pathirana, S Krishnakumar, “Optimizing the Cost of the Delivering Process of a Production Company: A Mathematical Model” *Journal of Engineering and Technology (JET)*, The Open University of Sri Lanka.Vol 3, No

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| | <p>2, 2015.</p> <p>CPS Pathirana, RA Dayananda, P Dias, SB Nawarathne, “<i>Validation of Taguchi Design a quality parameter of cosmetic soap manufactured in a local industry</i>”, Ruhunu Journal of Scince. Vol 1, September 2006.</p> |
| Computing Skills | Mathematical programming (SPSS, MATHEMATICA), LaTeX |
| Professional development | <p>Participating in the Interanation conference on computational Modeling & Simulation (ICCMS 2017), Faculty of Science, University of Colombo, 17th & 18th May 2017.</p> <p>Paticipated in the <i>Indo-European Study Group Meeting on Industial Problems</i>, Faculty of Technology and Engineering, The M.S.University of Baroda, Vadodara, India.- January 2015.</p> <p>Participated in the <i>Study Group Meeting on Mathematics and Statics for Industry</i>, University of Ruhuna, Matara, Sri Lanka-December 2014.</p> <p>Participated in the Traning Programe on <i>Developing Research Competencies</i>, Ministry of Higher Education, Sri Lanka-December 2011.</p> <p>Participated in the <i>Ruhuna International School on Computational and Mathematical Physics</i>, University of Ruhuna, Sri Lanka – December 2004.</p> |
| Volunteer and other activities | <ul style="list-style-type: none"> • Chief of the pannel of A/L Combine Mathematics Paper Marking - 2020 • Chief of the pannel of A/L Combine Mathematics Paper Marking - 2019 • Chief of the pannel of A/L Combine Mathematics Paper Marking - 2018 • Student development and mentoring <p>Paper Setting and Marking (National Institute of Education, Sri Lanka)</p> <p>I participated as a Resource Person following workshop.</p> <ol style="list-style-type: none"> 1. Tittle: Training Workshop for Zonal Science Officers – Inculcate Science and Technology Research in School Education Date: 28 – 30 October 2019 Venue: Leadership Development & Management, National Institute of Education, Meepe. 2. Tittle: Training workshop on Science and Technology Research for Innovative Center Managers. Date: 17-18 July 2019 |

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| | <p>Venue: National Institute of Education (NIE)</p> <p>Resource person- Training workshop on Science and Technology Research for Science Teachers in School level</p> <p>North Western Province - 10 - 11 October 2017 Sabaragamuwa Province - 09 - 10 November 2017 Northern Province - 12 – 13 December 2017 Central Province - 07 - 08 February 2018 Southern Province - 19 - 20 February 2018 North Central Province - 19 - 20 March 2108 Eastern Province - 19 -20 April 2018 Western Province - 23 -24 May 2018 Uva province - 25 – 26 June 2018</p> <p>Collaborators: Sri Lanka Association for Advancement of Science (SLAAS) / Ministry of Education / Ministry of Science, Technology & Research.</p> |
| Membership | <p>I have a life membership of the Sri Lanka Association for Advancement of Science (SLAAS) (No: 9879/E1).</p> <p>I have a life membership of the Applied Statistics Association of Sri Lanka (ASASL) (No: is L2007_002).</p> <p>I registered on National Database on Science & Technology Management Information System (STMIS) in National Science Foundation. (Reg No: NSF / STMIS / 01 / 0395)</p> |
| Referees | <p>Dr.N.Yapage- -(Mphil – Supervisor) Department of Mathematics, University of Ruhuna, Matara, Sri Lanka nihal@maths.ruh.ac.lk, Phone: +94 77 9516475</p> <p>Dr. K.A.C. Udayakumar, Dean/ Faculty of Engineering Technology, The Open University of Sri Lanka, Nawala, Nugegoda, Sri Lanka. kauda@ou.ac.lk , Phone: +94-11-2881228/2881351</p> <p>Professor Janak R Wedagedara –(Mphil – Main Supervisor) SimCYP-CERTARA Limite, Blzdes Enterprise Center John Street, Sheffield, United Kindom. Janak.Wedagedera@certara.com, janakrw@gmail.com , janakrw@yahoo.com</p> |