

# Curriculum Vitae

<b>Prof. R.A. R. C. Gopura</b>		
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Official Page : <a href="https://uom.lk/staff/Gopura.RARC.php">https://uom.lk/staff/Gopura.RARC.php</a> Google Scholar : <a href="https://scholar.google.com/citations?user=C4aX6bkAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=C4aX6bkAAAAJ&amp;hl=en</a> ResearchGate : <a href="https://www.researchgate.net/profile/Ruwan_Gopura">https://www.researchgate.net/profile/Ruwan_Gopura</a> Wikipedia : <a href="https://en.wikipedia.org/wiki/Ruwan_Gopura">https://en.wikipedia.org/wiki/Ruwan_Gopura</a> ORCID : <a href="https://orcid.org/0000-0002-9977-4545">https://orcid.org/0000-0002-9977-4545</a>		
<b>Career Progression</b>	<ul style="list-style-type: none"> <li>• Dean, Faculty of Graduate Studies, University of Moratuwa, Sri Lanka January 2024 - to date</li> <li>• Director/Research, University of Moratuwa, Sri Lanka February 2021 - January 2024</li> <li>• Acting Dean, Faculty of Graduate Studies, University of Moratuwa, Sri Lanka November 2022</li> <li>• Head - Department of Medical Technology, University of Moratuwa, Sri Lanka February 2021 – January 2024</li> <li>• Head - Department of Mechanical Engineering, University of Moratuwa, Sri Lanka, March 2017 - February 2020</li> <li>• Professor - Department of Mechanical Engineering, University of Moratuwa, Sri Lanka, August 2016 - to date</li> <li>• Senior Lecturer - Department of Mechanical Engineering, University of Moratuwa, Sri Lanka, May 2010 - July 2016</li> <li>• Post-Doctoral Fellow - Department of Advanced Systems Control Engineering, Saga University, Japan October 2009 - March 2010</li> <li>• PhD Scholar - Department of Advanced Systems Control Engineering, Saga University, Japan, October 2006 - September 2009</li> <li>• Lecturer - Department of Textile and Clothing Technology, University of Moratuwa, Sri Lanka, August 2004 - August 2006</li> <li>• Research Assistant - Department of Mechanical Engineering, University of Moratuwa, Sri Lanka, April 2004 - July 2004</li> </ul>	
<b>Research Interests</b>	Robotics, Biomechatronics	
<b>Research Outputs</b>	<ul style="list-style-type: none"> <li>• <b>Research Indices (11/08/2024)</b> Citations – 2793    h-index – 24    i10-index – 41 (Google Scholar)</li> <li>• <b>Supervised Research (Completed Projects)</b> PhD – 3                    MPhil – 3                    MSc – 5                    MEng – 4 Undergraduate – 47</li> </ul>	

	<ul style="list-style-type: none"> <li>• <b>Postgraduate Thesis Evaluations</b> PhD - 10 (2-Foreign)          MPhil - 12          MSc - 15          MEng - 23</li> <li>• <b>Publications</b> Journal/Transaction - 27          Book Chapters – 2          Editorial – 3 Conference Papers – 80          Theses – 2          Magazine – 7 Abstracts – 27</li> <li>• <b>Patents</b> Granted – 5          Pending – 4          In preparation – 1</li> </ul>
<b>Academic Qualifications</b>	<ul style="list-style-type: none"> <li>• PhD in Robotics and Intelligent Systems: October 2006 - September 2009 Department of Advanced Systems Control Engineering, Saga University, Japan</li> <li>• Master of Engineering in Manufacturing Systems Engineering: January 2005 - Dec 2008, Department of Mechanical Engineering, University of Moratuwa, Sri Lanka</li> <li>• Bachelor of Science of Engineering (Honors): April 2000 - March 2004 Department of Mechanical Engineering, University of Moratuwa, Sri Lanka</li> <li>• Completed the Certificate Level of CIMA examinations, UK</li> </ul>
<b>Positions in Professional Bodies</b>	<ul style="list-style-type: none"> <li>• Chair- IEEE Sri Lanka Section (2020/2021)</li> <li>• Chair- IEEE Robotics and Automation Society Sri Lanka Section Chapter (2017 to 2020)</li> <li>• Secretary- IEEE Sri Lanka Section (2015 to 2016)</li> <li>• Secretary- IEEE Robotics and Automation Society Sri Lanka Section Chapter (2013 to 2017)</li> </ul>
<b>Awards</b>	<ul style="list-style-type: none"> <li>• Best paper award in the Track of Technology Trends of International Conference on Information Technology Research (ICITR 2023), IEEE Technically Co-sponsored International Conference</li> <li>• Best paper award in the Track of Mechanical Engineering Systems of Moratuwa Engineering Research Conference (MERCon 2022), IEEE Technically Co-sponsored International Conference</li> <li>• Best paper award in the Track of Mechanical Engineering Systems of Moratuwa Engineering Research Conference (MERCon 2021), IEEE Technically Co-sponsored International Conference</li> <li>• Support Scheme for Supervision of Research Degrees (SUSRED Award) from National Science Foundation, Sri Lanka, 2020</li> <li>• Best paper award in the Track of Mechanical Engineering Systems of Moratuwa Engineering Research Conference (MERCon 2019), IEEE Technically Co-sponsored International Conference</li> <li>• Best paper award in the Track of Mechanical Engineering Systems of Moratuwa Engineering Research Conference (MERCon 2018), IEEE Technically Co-sponsored International Conference</li> <li>• Best Presentation of Mechanical Control and Automation Session of IEEE International Conference on Control Automation and Robotics held at Nagoya Institute of Technology, Nagoya, Japan, 22-24 April 2017</li> </ul>

	<ul style="list-style-type: none"> <li>• Best technical paper award from the Manufacturing and Industrial Engineering Symposium (MIES2016) held at Waters Edge Colombo, Sri Lanka, October 2016</li> <li>• Best student paper award in the track of Technical Advances in Disaster Management, Welfare, and Rehabilitation for Sustainability of International Conference on Information and Automation for Sustainability, (ICIAfS) 2008, Sri Lanka</li> <li>• Award of Excellence, Outstanding Research Performance, University of Moratuwa, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021 and 2022</li> <li>• Japanese government scholarship to follow doctoral degree (2006/10-2009/09)</li> </ul>
<p><b>Research Funding</b></p>	<p><b>Research Grants - International</b></p> <ul style="list-style-type: none"> <li>• GBP 203,000 Research grant from the National Institute of Health Research, (Collaboration with Imperial College London) UK- 2017</li> <li>• GBP 217,000 Research grant from the National Institute of Health Research, (Collaboration with Imperial College London) UK- 2022</li> <li>• Rs.10 Million (10M) Grant from Ministry of Science, Technology &amp; Research under Indo-Sri Lanka grant project 'Design and Development of Detection and Extinguishing Systems for Forest Fire using Sensor Networks, Aerial and Ground Robots' (Coinvestigator, CI) – 2017</li> </ul> <p><b>Research Grants - Local</b></p> <ul style="list-style-type: none"> <li>• Rs. 4.2 M grant from the National Research Council (NRC) for the research project 'Development of Assistive Robotic Limbs' (Principal Investigator, PI) -2011</li> <li>• Rs. 0.3 M grant from National Science Foundation (NSF) for the research project 'Multi Agent Based Applications for Microgrids' (CI) – 2011</li> <li>• Rs. 3.7M grant from NRC for the research project 'Development of Active Lower-Limb Prosthetic Device' (CI) – 2015</li> <li>• Rs. 3.76M grant from NRC for the research project 'Design and Development of a Soft Orthotic Device for Lower Limb and Spinal Assistance' (CI) - 2017</li> <li>• Rs. 4.92M grant from NRC for the research project 'Intelligent Wheelchair Robot with Human-like Interactive features for Domestic Environment' (CI) – 2017</li> <li>• Rs. 4.98M grant from the National Research Council (NRC) for the research project 'Development of a Soft Robot Gripper with Inbuilt Sensors for Deformable Object Grasping and Tactile Feedback' (PI) -2018</li> </ul> <p><b>Research Grants – University of Moratuwa</b></p> <ul style="list-style-type: none"> <li>• Rs. 0.1M grant from SRC, University of Moratuwa for the research 'Development of Lower-Limb Exoskeleton Robot' (CI)-2011</li> <li>• Rs. 1.14M grant from SRC, University of Moratuwa for the research 'Controlling of Trans-humeral Prosthetic Arm' (PI)-2012</li> <li>• Rs. 1.76M grant from SRC, University of Moratuwa for the research 'Vision Aided Task planning and Control of Trans-humeral Robotic Prosthetic Arm' (PI)-2013</li> </ul>

<p><b>Keynotes and Speeches</b></p>	<ul style="list-style-type: none"> <li>• Rs. 3.55M grant from SRC, University of Moratuwa for the research 'Development and Control of a lower limb power-assist exoskeleton robot' (PI)-2014</li> <li>• Rs. 0.4M research grant from SRC, University of Moratuwa for the research 'A Study on Human Lower- Limb Muscle Activities while Wearing a Lower-Limb Exoskeleton' (PI) -2017</li> <li>• Rs. 0.25M research grant from SRC, University of Moratuwa for the research 'Investigation of effect of human-robot interaction with lower limb exoskeleton robot' (PI) -2018</li> <li>• Rs. 0.3M research grant from SRC, University of Moratuwa for the research 'A Study on interaction of human and lower limb exoskeleton' (PI) -2019</li> <li>• Rs. 1.26M research grant from SRC, University of Moratuwa 'Multimodal fusion of hand gesture cues to enhance understanding of emotional and spatial uncertainties in navigation vocal commands for assistive robots ' (PI) -2020</li> </ul> <p><b>Other Grants</b></p> <ul style="list-style-type: none"> <li>• Rs. 0.35M as IEEE Robotics and Automation Society, USA broadening participation grant to attend ICRA 2017</li> <li>• Rs.0.25M as travel and registration grant to participate in IEEE International Conference on Robotics and Automation (ICRA) 2008 from IEEE Robotics and Automation Society (RAS), USA</li> <li>• Rs. 0.1M registration grant to participate in International Conference on Industrial and Information Systems, (ICIIS) 2007</li> </ul> <p><b>Keynotes and Invited Speeches</b></p> <ul style="list-style-type: none"> <li>• “Transforming Medicine: Unveiling the Potential of Medical Technology” Inaugural Session of Medical Faculty Science and Technology Committee, Faculty of Medicine, Colombo, 2023- <b>Keynote Speaker</b></li> <li>• “Robotic Technology for Orthopaedic Rehabilitation in Sri Lanka”, Annual Academic Sessions, Sri Lanka Orthopaedic Association 2023 - <b>Plenary Speaker</b></li> <li>• “Introduction to Research Publications” Tech in Medicine Workshop-03, IEEE EMBS University of Moratuwa, 2023- Invited Speaker</li> <li>• “Robotic Solutions in Climate Change Issues and Natural Disasters for Humanitarian Activities” Workshop for IEEE R10 Robotics Competition, IEEE Sri Lanka Section, 2023 – Invited Speaker</li> <li>• “Biomedical Engineering”, TechnoMind Workshop Series, IEEE Industry Applications Society Student Branch Chapter of Sri Lanka Technological Campus, 2022 – Invited Speaker</li> <li>• “Bionic Limbs in Biorobotics” Awareness Session on IoT and Robotics, IEEE WIE Student Branch Affinity Group of the University of Jaffna, 2022- Invited Speaker</li> <li>• “Robotic Prosthetic Limbs as an Advanced Medical Technology”, KDU International Research Conference 2021 - <b>Plenary Speaker</b></li> </ul>
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**Keynotes and Speeches**

- “Research and Innovation during COVID-19 Pandemic” International Women in Engineering COVID-19 Congress 2021 (WIECOV2021) - Invited Speaker
- “Bionic Devices for Assisting Physically Weak People” - Knowledge Sharing Session, Center for Biomedical innovations, 2021 – Invited Speaker
- “How Bionic Limbs are Improving Lives?” Workshop on Bionic Limbs, American Center, Colombo, 2021
- “Robotic Exoskeletons for Assisting Lower Limb Motions”, International Webinar titled Enabling Technologies & Emerging Robotics Use Cases 2020, PRIST University - Invited Speaker
- “Role of Robotist during COVID-19”, International COVID-19 Congress 2020, IEEE Bangladesh Section - Invited Speaker
- “Exoskeleton Robots for Assisting Limb Motions”, Medical Devices and Innovations from Colombo Medical Congress, Sri Lanka, 2020 - Invited Speaker
- “Biomechatronics, State of the art, Trends and Opportunities”, Guest Speech, Faculty Technology Transfer Center (FTTC), Faculty of Applied Sciences, Uva Wellassa University, 2020
- 1st Virtual online panel (VCOP 2020) in IEEE Region 10 (Asia Pacific) - Speaker
- “Assistive Robotics”, Interactive Discussion on Future Directions of Advanced Robotics organized by Center for Advanced Robotics, University of Moratuwa, 2019 - Speaker
- “Career Opportunities after ALs” Kegalle Medical Doctors Association, 2019- Invited Speech
- “Biomedical Engineering: Advances in robotic prosthetic and orthotic devices”, Awareness Program for Enticing School Children and Teachers for Engineering, “Dreaming Bigger Dreams” Organized by SLAAS, 2019- Invited Speaker
- “Robotic Prosthetic and Orthotic Devices for Assisting Physically Weak People”, Workshop held at National Institute of Technology, India, 2019- Speaker
- “Uplifting Quality of Living of Physically Weak Individuals: Role of Power Assist Robot Systems”, KDU International Research Conference 2018 - **Plenary Speaker**
- “Development of Post-conflict Sri Lanka: Role of Humanitarian Technology”, Sustainable Humanitarian Technology Forum, IEEE International Conference on Robotics and Automation 2018 - Invited Speaker
- IEEE Region 10 Humanitarian Technology Conference 2018 - Panel Discussion “Humanitarian Robotics”
- “Robotics”, Guest Speech, Institute of Technology University of Moratuwa, 2018
- “Robotic Prosthetic and Orthotic Devices for Assisting Physically Weak People”, Guest Lecture at Shandong University of Science and Technology, China, 2018
- “Grant Opportunities and Information Tools for Researchers”, Guest lecture at Sixth Annual Research Symposium, Institute of Technology, University of Moratuwa, 2018
- “Assisting Limb Amputees: Novel Designs and Mechanisms for Robotic Prostheses”, workshop on “Human Centered Robotics: Prosthesis” organized by Jaffna University,

**Keynotes and Speeches**

2018

- “Conducting Robotic Research: Experiences, Lessons Learnt and Way Forward”, Workshop titled “Build Our Research Culture as Engineering Academics”, organized by Open University of Sri Lanka, 2018 – Speaker
- “Design and Control of Upper-limb Robotic Prostheses”, Pre-Conference Workshop on Biomedical Engineering “Expanding Access to Healthcare through Bioengineering Advances”, KDU International Research Conference 2017 - Invited Speaker
- “Assistive Robotic Devices: Robotic Prostheses and Orthoses”, Sri Lanka Robotic Meetup 2.0 organised by IEEE Robotics and Automation Society Sri Lanka Section Chapter, 2016
- “Prosthetic and Orthotic Devices for Biomedical Applications”, Guest Lecture at the Kothalawala Defense University, 2016
- “Robotics”, Awareness Workshop on Emerging Technologies for O/L and A/L teachers organized by the National Science Foundation March 2015 and June 2015 – Speaker
- “Development of Novel Mechanisms for Upper- Limb Prostheses”, International Conference on Emerging Trends in Mechanical Engineering 2015 - Keynote Speaker

**Other Technical Speeches**

- “AI in Biomedical Engineering” Lecture Series in Parallel with Science Day, Visakha Vidyalaya, 2023
- “රොබෝ තාක්ෂණය, (Robotic Technology)”, Technophila 2020, Tech Day Speech, Pinnawala Central College, Rambukkana, 2020
- “රොබෝ තාක්ෂණයේ වත්මන් දියුණුව (Current Advancements in Robotic Technology)”, Science day Speech at Maliyadeva Girl’s College, Kurunagala, 2019
- “නව නිමැවුම් හා නවෝත්පාදන: රොබෝ තාක්ෂණය හා ජෛව-වෛද්‍ය ඉංජිනේරු විද්‍යාව (Invention and Innovation: Robotics Technology and Biomedical Engineering)”, Technology day Speech at Swarnajayanthi College, Kegalle, 2019
- “රොබෝ තාක්ෂණය, (Robotic Technology)”, Science day Speech at Defense Service College, Colombo 2019
- “ජෛව වෛද්‍ය ඉංජිනේරු විද්‍යාව (Biomedical Engineering)”, Science day Speech at Kuliypitiya Central College, 2015
- “අද ලොව රොබෝ තාක්ෂණය (Robotic Technology - Today)”, Science day Speech at Pinnawala Central College, Rambukkana, 2015

**Research Collaborations**

- Dyson School of Design Engineering, Imperial College London, UK (Prof.

<p><b>Research Collaborations</b></p>	<p>Thrishantha Nanayakkara)</p> <ul style="list-style-type: none"> <li>· Intelligent Systems Laboratory (ISLAB), Memorial University Newfoundland, Canada (Prof. George Mann)</li> <li>· Department of Bioengineering, Imperial College London, UK (Prof. Anthony Bull)</li> <li>· System Engineering Laboratory, Kyushu University, Japan (Prof. Kazuo Kiguchi)</li> <li>· CSIR-Central Scientific Instruments Organization, Delhi, India (Dr. Paramita Guha)</li> </ul>
<p><b>Thesis Supervision</b></p>	<p><b>Supervised PhD and MPhil (Completed Research)</b></p> <ul style="list-style-type: none"> <li>· Development of a Bio-inspired Lower Extremity Exoskeleton with a Passive-Powering System – PhD, 2023</li> <li>· Development of a Soft Linear Actuator for Use in Wearable Assistive Exosuits - PhD, 2022</li> <li>· Development of Vision Aided Reached-to-grasp Path Planning Methods for a Trans-humeral Robotic Prosthesis- PhD, 2018</li> <li>· Incorporating Biological Signals for Understanding User Intentions for Intelligent Wheelchair – MPhil 2023</li> <li>· Development of a Prototype of an Anthropomorphic Trans-humeral Prosthetic Arm for Upper-Arm Amputees- MPhil, 2015</li> <li>· Development of an Upper-limb Power-assist Exoskeleton Robot to Generate Human-like Motion- MPhil, 2014</li> </ul> <p><b>Supervised MSc and MEng (Completed Research)</b></p> <ul style="list-style-type: none"> <li>· Development of a soft robotic gripper with multiple grasping patterns - MSc (by research), 2023</li> <li>· Investigation of Human-Robot Interaction of Lower-Limb Exoskeleton Robot - MSc (by research), 2022</li> <li>· An Under-Actuated Mechanism for an Anthropomorphic Prosthetic Hand – MEng, 2020</li> <li>· Development of a Robotic Ortho-Prosthesis for Trans-humeral Amputees- MSc (by research), 2019</li> <li>· Development of a Prosthetic Hand for Power Grasping Applications – MEng, 2017</li> <li>· A Layout Planning Framework for Food Processing Industry- MEng, 2015</li> <li>· Hybrid Approach for Financial Forecasting with Support Vector Machine- MSc (by research), 2013</li> <li>· Agent-Based Control and Protection for Inverter Based Microgrids- MSc (by research), 2012</li> </ul> <p><b>Ongoing Postgraduate Research</b></p> <ul style="list-style-type: none"> <li>· Incorporating Human-like Multimodal Interactive Features in an Intelligent</li> </ul>

<p><b>Research Supervision</b></p>	<p>Wheelchair - PhD (about to complete)</p> <ul style="list-style-type: none"> <li>· Understanding Spatial Considerations and User Behaviors in Handling Objects by Intelligent Robotic Wheelchair - MPhil (about to complete)</li> <li>· Development of a Robotic Ankle Exoskeleton for Therapeutic Exercises - MSc (by research)</li> <li>· Compensation of Muscle Fatigue Effect on Active Compliance Control of a Hip Exoskeleton Robot in Stoop Lifting - MSc (by research)</li> <li>· Development of Knee Orthosis for Patients with Knee Osteoarthritis - MEng</li> <li>· Design and Development of An Upper-Limb Rehabilitation Robot - MEng</li> </ul> <p><b>Supervised Undergraduate Design/Research Projects</b></p> <ul style="list-style-type: none"> <li>· Intelligent robotic fish for marine eco-system close monitoring</li> <li>· Development of a Vision-Based Perception-Assist Lower Limb Exoskeleton Robot</li> <li>· Design and Development of Robotic Tool with Haptic Feedback for Minimally Invasive Surgeries</li> <li>· Development of a Trans-radial Prosthesis with Adaptive Grasping Capabilities</li> <li>· Development of a Wheeled Mobility Device to Facilitate Chair Transfers</li> <li>· Development of a Soft Robotic Knee Joint</li> <li>· Design and Development of a Surgery Assistive Robot</li> <li>· Development of a Hybrid-powered Lift-assist Exoskeleton for Manual Workers</li> <li>· Design and Development of an Upper Limb Rehabilitation Robot</li> <li>· Development of a Brain-Computer Interface (BCI) for Robot-Assisted Surgery</li> <li>· Development of a Back Support Exoskeleton for Manual Handling</li> <li>· Design and Development of a Soft Wearable Ankle Foot Orthosis for Gait Assistance</li> <li>· Brain signals controlled robotic face for people with verbal communication disorders</li> <li>· Development of a knee exoskeleton robot with a self-aligning axis</li> <li>· Development of an exoskeleton robot for balance control of paraplegics</li> <li>· Design and Development of a Reverse Vending Machine for plastic waste</li> <li>· Design and Development of an Autonomous Mobile Platform for Healthcare Sector</li> <li>· Development of a biomimetic trans-radial robotic prosthesis</li> <li>· Development of a hip exoskeleton robot for load lifting</li> <li>· Development of an Active Transtibial Prosthesis with Knee Orthosis</li> <li>· Development of a Prosthetic Hand with Finger Abduction and Adduction</li> <li>· Hybrid knee exoskeleton robot for walking and sitting assistance</li> <li>· Development of a modular power-assist robotic ankle exoskeleton</li> <li>· Development of a modular-based power-assist lower extremity exoskeleton for motion assistance</li> <li>· Design and development of a hybrid transradial prosthesis</li> <li>· An exoskeleton robot for upper limb rehabilitation and motion assistance</li> <li>· A Robotic Prosthetic for Lower Limb Amputees</li> <li>· Electromyography (EMG) Signal Based Control of a Lower Extremity Wearable</li> </ul>
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<b>Activities in Journals and Conferences</b>	<p><b>Robot</b></p> <ul style="list-style-type: none"> <li>· Development of a Robotic Hand Prosthetics</li> <li>· Development of a Multi-functional Hand Prosthesis with a Self-Adaptive Mechanism</li> <li>· Development of a Shoulder Exoskeleton with Novel Slider Mechanisms</li> <li>· Development of a Trans-femoral Prosthesis</li> <li>· Development of EMG-Based Control for a Trans-radial Prosthetic Arm</li> <li>· Development of an Upper-Limb Exoskeleton Robot for Rehabilitation</li> <li>· Design and Development of an Automated Microscopic Imaging System for TB Screening</li> <li>· An Exoskeleton Robot for Upper Limb Rehabilitation and Motion Assistance</li> <li>· Development of a Modular-based Power-Assist Lower Extremity Exoskeleton Robot</li> <li>· Development of a Leap Motion Controlled Dual Arm Robot System to Assist in Laboratory Environments</li> <li>· Design and Development of a Hybrid Transradial Prosthesis</li> <li>· Development of a 5DOF Trans-humeral Prosthesis</li> </ul> <p><b>Activities in Journals</b></p> <ul style="list-style-type: none"> <li>· Editorial Board Member of Journal of Applied Bionics and Biomechanics (SCIE journal) 2020- to date</li> <li>· Editorial Board Member of Digital Medicine and Healthcare Technology, 2023- to date</li> <li>· Associate Editor of International Journal of Electrical and Computer Engineering (Scopus indexed journal) 2020- to date</li> <li>· Guest Associate Editor in Special issue on EMG/EEG Signals-based Control of Assistive and Rehabilitation Robots in Frontiers in Neurorobotics (SCIE journal), Volume I, 2021</li> <li>· Guest Associate Editor in Special issue on EMG/EEG Signals-based Control of Assistive and Rehabilitation Robots in Frontiers in Neurorobotics (SCIE journal), Volume II, 2023</li> <li>· Lead Guest Editor of Special Issue on Robotic Prosthetic Limbs in Journal of Robotics (ESCI Journal) 2018</li> <li>· Regular Reviewer of IEEE Transactions on Neural Systems and Rehabilitation Engineering</li> <li>· Regular Reviewer of IEEE Access</li> <li>· Regular Reviewer of Mechatronics</li> <li>· Regular Reviewer of Robotics and Autonomous Systems</li> <li>· Reviewer of Journals (20+ journals)</li> </ul> <p><b>Conference Activities</b></p> <p><b>General Chair and TPC Chair</b></p>
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<p><b>Activities in Journals and Conferences</b></p>	<ul style="list-style-type: none"> <li>· IEEE International Conference on Control, Automation and Robotics (ICCAR 2024)</li> <li>- Regional Chair</li> <li>· ICCAR 2023 - Regional Chair</li> <li>· ICCAR 2022 - Regional Chair</li> <li>· ICCAR 2021 - Regional Chair</li> <li>· Moratuwa Engineering Research Conference (MERCon 2020) - General Chair</li> <li>· International Conference on Information Technology Research (ICITR 2020) - Technical Programme Committee chair</li> <li>· IEEE Humanitarian Technology Conference (HTC 2018) - Technical Programme chair</li> </ul> <p><b>Track Chair/Session Chair</b></p> <ul style="list-style-type: none"> <li>· MERCon 2021 Session Chair</li> <li>· International Conference on Industrial and Information Systems 2020- Session Chair</li> <li>· IEEE TENSymp 2020 - Session Chair</li> <li>· ICITR 2019 - Session Chair</li> <li>· MERCon 2019 - Session Chair</li> <li>· ICCAR 2019 - Session Chair</li> <li>· MERCon 2018 - Track Chair</li> <li>· MERCon 2017 - Track Chair</li> <li>· MERCon 2016 - Track Chair</li> <li>· International Conference on Information and Automation for Sustainability (ICIAFS 2016) - Session Chair</li> <li>· MERCon 2015 - Track Chair</li> <li>· ICIAFS 2014 - Session Chair</li> </ul> <p><b>Associate Editor</b></p> <ul style="list-style-type: none"> <li>· IEEE International Conference on Intelligent Robots and Systems (IROS 2020)</li> <li>· IEEE IROS 2019</li> <li>· IEEE IROS 2018</li> </ul> <p><b>Technical Programme Committee Member</b></p> <ul style="list-style-type: none"> <li>• International Conference on Biomedical Signal and Image Processing (ICBIP 2024)</li> <li>• ICBIP 2023</li> <li>• International Conference on Mechanical and Aerospace Systems (ICMAS 2022)</li> <li>• International Conference on Artificial Intelligence, Robotics and Control (AIRC 2022)</li> <li>• International Conference on Image Processing and Robotics (ICIPRob 2022)</li> <li>• ICBIP 2022</li> <li>· International Conference on Mechanical and Aerospace Systems (ICMAS 2022)</li> <li>· International Conference on Information Technology Research (ICITR 2021)</li> <li>· International Conference on Advancements in Computing (ICAC 2021)</li> </ul>
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<p><b>Activities in Journals and Conferences</b></p>	<ul style="list-style-type: none"> <li>· SLAAS/SLIC Conference on From Innovation To Impact (FITI 2021)</li> <li>· International Conference on Electrical Engineering (EECon 2021)</li> <li>· Asia-Pacific Conference on Intelligent Robot Systems (ACIRS 2021)</li> <li>· ICMAS 2021</li> <li>· ICBIP 2021</li> <li>· ICMAS 2020</li> <li>· ICIAFS 2020</li> <li>· AIRC 2020</li> <li>· FITI 2020</li> <li>· International Conference on Advances in ICT for Emerging Regions (ICTER 2020)</li> <li>· ICCAR 2020</li> <li>· ICIPRob 2020</li> <li>· ICCAR 2019</li> <li>· AIRC 2019</li> <li>· Manufacturing and Industrial Engineering Symposium (MIES 2015)</li> <li>· ICIAFS 2014</li> </ul> <p><b>Other Activities</b></p> <ul style="list-style-type: none"> <li>· MERCon 2024 - International Relations Chair</li> <li>· MERCon 2019 - International Relations Chair</li> <li>· MERCon 2015 - Registration and Finance Chair</li> <li>· Reviewer of conferences (55 + conferences)</li> </ul>
<p><b>Administrative Positions</b></p>	<p><b>Department/ Faculty Level (University of Moratuwa)</b></p> <ul style="list-style-type: none"> <li>· Dean, Faculty of Graduate Studies, January 2024 - to date</li> <li>· Director/Research, February 2021 - January 2024</li> <li>· Acting Dean, Faculty of Graduate Studies, November 2022</li> <li>· Head - Department of Medical Technology, February 2021 – January 2024</li> <li>· Head- Department of Mechanical Engineering (2017 March – 2020 Feb)</li> <li>· Chairman/Member- Department-level curriculum and syllabus revision committees (2010 to 2021)</li> <li>· Department Research Coordinator (2011 March - 2017 January)</li> <li>· Coordinator-MEng/PG Diploma in Manufacturing Systems Engineering (2010 June-Feb 2017)</li> <li>· Member-Faculty Higher Degree Committee (2011 March - 2017 January)</li> <li>· Member- Postgraduate Board of Studies (2013 –2017 February)</li> <li>· Department Representative - Engineering Research Unit (2012 March - 2015 May)</li> <li>· Department Representative- Faculty Quality Assurance Committee (2014 March-2015 May)</li> <li>· Convener - Faculty of Engineering standing committee on curriculum revision (2016 Oct - 2017 April)</li> </ul>

<b>Administrative Positions</b>	<ul style="list-style-type: none"> <li>· Coordinator- University of Moratuwa- Imperial College Research Project (February 2020 – January 2024)</li> </ul> <p><b>Senate/University Level (Bylaws, Policies and Guideline Development Activities)</b></p> <ul style="list-style-type: none"> <li>· Faculty Board Member - Faculty of Graduate Studies (2015 - 2017 April)</li> <li>· Member- Senate subcommittee on Medical Faculty Establishment (2017 July-to date)</li> <li>· Member- Senate subcommittee on Examination Offence (2018 December -to date)</li> <li>· Member- Intellectual Property Assessment Committee (2017 March – 2020 Feb)</li> <li>· Member- Intellectual Property Advisory Committee (2017 March – 2020 Feb)</li> <li>· Department Representative-Career Guidance Unit (2012 March - 2015 May)</li> <li>· Member- University Research Advisory Committee (2014 -2015)</li> <li>· Member- International Relations Committee (2016 January - 2017 March)</li> </ul> <p><b>Senate/University Level (Other Activities)</b></p> <ul style="list-style-type: none"> <li>· Department Representative-University News Officer Committee (2011 March-2015 January)</li> <li>· Founding member/Working Committee member – Center for Advanced Robotics, University of Moratuwa (2017 to date)</li> <li>· Founding member/Working Committee member – Center for Biomedical Innovations, University of Moratuwa (2017 to date)</li> <li>· Member- Committee of Inquires</li> <li>· Member- Technical Evaluation Committees</li> <li>· Member- Professor Promotion evaluation committees</li> </ul> <p><b>Ministry/National Level</b></p> <ul style="list-style-type: none"> <li>· Resource Person - Ministry of Education, Sri Lanka (2011 to date)</li> <li>· Member - Special Committee to Review Corporate Strategy of Sri Lanka Institute of Nanotechnology, State Ministry of Skills Development, Vocational Education, Research and Innovation, 2020</li> <li>· External Reviewer - Quality Assurance Council, UGC, 2020 to date</li> <li>· Curriculum Reviewer - Proposed Bachelor of Science Honours in Mechatronics Degree Programme Uva Wellassa University of Sri Lanka, 2020</li> <li>· Member - Working Committee on Engineering Sciences, Architecture &amp; ICT, National Science Foundation, 2019 to date</li> <li>· Curriculum Reviewer - The Bachelor of Engineering Degree Programme Identified for the Proposed Faculty of Engineering, Wayamba University of Sri Lanka, 2019</li> <li>· Curriculum Reviewer - The Bachelor of Engineering Degree Programme University of Colombo, Sri Lanka, 2021</li> <li>· Resource person - Institution of Engineers (IESL), Sri Lanka for Qualifying examinations, 2018 to date</li> <li>· Member - Programme review panel, Ministry of Education &amp; Higher Education</li> </ul>
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<p><b>Administrative Positions</b></p>	<p>(Bachelor of Technology Honours in Process Automation and Control), May 2018</p> <ul style="list-style-type: none"> <li>· Member - Programme review panel, Ministry of Education &amp; Higher Education (Bachelor of Science Honours in Engineering in Mechatronics Engineering), October 2018, 2024</li> <li>· Chairman - Evaluation panel of IESL, B.Sc. Engineering (Mechanical Engineering) - University of Jaffna, 2019, 2023</li> <li>· Chairman - Evaluation panel of IESL, B.Sc. Engineering (Mechanical Engineering) – South-Eastern University of Sri Lanka, 2020</li> <li>· Chairman - Evaluation panel of IESL, B.Sc. Engineering (Mechanical Engineering) – University of Sri Jayewardenepura, 2022</li> <li>· Chairman - Evaluation panel of IESL, B.Sc. Engineering (Mechanical Engineering) – Open University Sri Lanka, 2023</li> <li>· Member - Evaluation panel of IESL, B.Sc. Engineering (Mechatronics Engineering) - Open University Sri Lanka, 2023</li> <li>Chairman – IESL, Accreditation Panel, B.Sc. Engineering (Mechanical Engineering) – University of Peradeniya, 2023</li> <li>· Member - Expert Committee of Ministry of Health</li> <li>· Resource Person - National Institute of Education, Guide Preparation-Mechanical Technology, A/L Examination, Curriculum Preparation-Mechanical Technology, A/L Examination, Teacher Training Workshop-Mechanical Technology, A/L Examination</li> <li>· Reviewer of grant applications -National Research Council and National Science Foundation</li> </ul>
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