



Prasanna Illankoon
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[LinkedIn Profile](#)



Academic Credentials

- PhD, Operations and Maintenance Engineering, Luleå University of Technology, Sweden, 2020
Thesis: Soft Issues of Industry 4.0: A Study on Human-Machine Interactions
- MBA, Management of Technology, University of Moratuwa, Sri Lanka, 2009
Thesis: Exploring Implementation of Lean Practices in a Customized Product Manufacturing Environment
- B.Sc. Production Engineering, University of Peradeniya, Sri Lanka, 2002
Industrial Project: Design of an Automatic Billets Transferring System

Work Experience

- PhD Student / Lecturer, Luleå University of Technology, Sweden, 2017-2020
Research focused on the collaboration of human and Intelligent Maintenance Systems
Teaching focused on the human factors in maintenance
- Manager, Quality Assurance and Compliance, Avery Dennison, Sri Lanka, 2010 -2016
Deployment of the Processes – Problem Solving – People strategy to improve quality assurance over critical to quality processes by motivating and engaging employees for compliance and problem solving.
Overseeing Environmental, Health and Safety (EHS) Management Programs.
Responsible for compliance certifications ISO 9001, ISO 14001, OHSAS 18001, and FSC CoC.
- Industrial Engineer / South Asia Operations Analyst, Avery Dennison, Sri Lanka, 2006-2009
Facilitating Operational Excellence through the application of Enterprise LeanSigma to meet Cost, Quality, Speed, Safety, Flexibility, and Sustainability performance in the South Asia region.
Assisting the South Asia operational leadership for strategic projects such as footprint optimization, business case development and operations expansion.
- Productivity Manager, National Productivity Improvement Program (JAAF), Sri Lanka 2003-2005
Assessing and benchmarking the financial and manufacturing capabilities of client factories.
Developing roadmaps for lean transformation, coaching to implement new production methods, redesigning layouts and reengineering manual work to improve efficiency by 10- 50% at client factories.
Development of a software to simulate different production concepts (Fixed line, Skill Centres, Queue Processing, Modular teams), and a pocket PC software to conduct time studies and follow-up studies.
- Part-time Consultant, Swedish Work Science Academy (Sri Lanka Branch), 2004-2016
Ergonomics assessments and workshops at more than 35 factories, including MAS Holdings (the largest apparel exporter in Sri Lanka).
- Research Engineer, Faculty of Engineering, University of Peradeniya, Sri Lanka, 2002-2003
Setting up of a lab to conduct experiments and improve ergonomics of sewing operation in collaboration with the apparel industry.
Conducting a study on the psychological effects of short, repetitive, and easy tasks on production lines, and introduction of the “Boredom Indicator”.

Achievements

- Winning the 2nd best site for quality culture at Avery Dennison
- 30% annual reduction of customer complaints throughout four years at Avery Dennison
- 10% improvement in Overall Equipment Effectiveness (OEE) by setup time reduction at Avery Dennison
- Re-design of layout to accommodate 20% more capacity during a plant acquisition at Avery Dennison
- Automating production batching process to meet 12% material saving at Avery Dennison
- Leading Ergonomics consultancy body in Sri Lanka including a new discipline “Lean Ergonomics”

Licenses & Certifications

- Certified compliance auditor, Internal Compliance Audit Program (ICAP) Avery Dennison, 2013
- Coaching, Mentoring & Counselling, McQuire Rens & Jones, 2012
- Manager as a Coach, Global Talent Coach & Consultants, 2012
- Conceptual Selling and Strategic Selling, Miller Heiman, 2012
- TPM Practitioner, Institute of Lean Management, Japanese Institute of Plant Maintenance (JIPM), 2010
- Train the Trainer for Enterprise Lean-Sigma (ELS), George group, Trained in China, 2009
- ELS Problem Solving Coach, Certified under Lean Horizons, Trained in China, 2009

Coaching and Teaching Experience

- Lecturer, Human Factors for Safety in Maintenance, Master's program, Luleå University of Technology, Sweden, 2017-2020
- Lecturer, Quality Assurance, Work Study, Computer Aided Designing, University of Vocational Technology, Sri Lanka, Since 2010
- Coaching Enterprise-Lean-Sigma events (Kaizen, A3 problem solving, etc.), Avery Dennison Sri Lanka, Bangladesh and India 2006-2012
- Resource person, Ergonomics workshops in various organizations in Sri Lanka, Since 2004
- Engineering Instructor, Department of Mechanical Engineering, University of Peradeniya, Sri Lanka, 2002-2004

Professional Memberships

- Associate Member - Institution of Engineers Sri Lanka (IESL)
- Secretary - Sri Lanka Ergonomics Association (SLEA)
- Advisory Council Member - University of Vocational Technology Sri Lanka (UNIVOTEC)
- Advisory Council Member - Sri Lanka College of Technologies (SLCoTs)
- Member, International Society for Productivity and Quality Research (ISPQR)

Publications

- Six articles in journals
- Five conference papers
- Two theses
- Two articles in the Sri Lanka Engineering News (SLEN)
- One book chapter
- See [Google Scholar Profile](#) for a complete list of publication

References

Phillip Tretten (PhD Supervisor)

Associate Professor and the Dean of Education SBN, Luleå University of Technology, Sweden



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Scott Doughty (Dotted line manager at Avery Dennison)

Vice President Operational Excellence and EHS, ProAmpac, Westfield, MA 01085, USA



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John Abeysekera (Mentor)

Ergonomic Consultant at Work Science Academy (Professor Emeritus), Sweden and Sri Lanka



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