

T S KRISHNAN

Curriculum Vitae

PROFESSIONAL EXPERIENCE

- Nov 2020 - present Sr. Manager, Mphasis NEXT Labs, Bangalore
- July 2020 - Nov 2020 Faculty, Production & Operations Management, Indian Institute of Management Nagpur
- March 2018 - June 2020 Sr. Manager, Mphasis NEXT Labs, Bangalore
Scoping, Planning, and Developing AI solutions to solve business problems in firms across various industries (BFSI, Logistics, Manufacturing, Oil & Gas) and multiple geographies (US, Europe, APAC)
- July 2017 - Nov 2017 Intern, Di2i Pte. Ltd., Bangalore
Assisted the founder to set up commodity derivatives business; Identified predictive analytics use cases to build commodity trading solutions
- May 2008 - May 2010 Sr. Business Analyst, Mu Sigma Inc., Bangalore
Predictive analytics for world's largest retailers; conceptualized project scope, analytical approach, & data requirements; data extraction & cleaning; hypotheses development; modeling & analysis; explained results to business leaders by preparing easy-to-understand decks
- Oct 2005 - Mar 2006 Product Engineer, Wrench Solutions, Bangalore
Pre-sales of Wrench PLM solution to manufacturing firms: auto component, machine tool, aerospace & defence; engaged with senior product development managers to understand 'as-is' process & pain points

EDUCATION

- 2010 - 2019 Indian Institute of Management Bangalore
Ph.D. - Production and Operations Management
- 2006 - 2008 College of Engineering Guindy, Anna University, Chennai
Masters in Engineering (M.E.) - Manufacturing Systems & Management
- 2001 – 2005 Govt. Engineering College Thrissur, University of Calicut
Bachelor of Technology (B.Tech.) - Production Engineering

AWARDS/ACHIEVEMENTS

- 2019 Mphasis ACE Award for the 1st successful AI deployment (Logistics)
- 2019 Mphasis ACE Award for delivering proof-of-concept of AI solution (Oil & Gas)
- 2019 Winner (1st) of Google-Mphasis AI Hackathon: Image processing in logistics
- 2018 Shortlisted and highly commended for the Paul R. Lawrence Fellowship for case teaching, research, and writing.

JOURNAL PUBLICATIONS

- Krishnan, T.S., Majumdar, A. (2021). Harness Natural Language Processing to Manage Supply Chain Risk. *California Management Review*, January 26.
- Gupta, D., Krishnan, T.S. (2020). Algorithmic Bias: Why Bother? *California Management Review*, November 17.
- Krishnan, T.S., Reddy, A.R., Ramana, M.V. (2020). Impact of Natural Background Radiation on Human Health in Kerala: Understanding the Debate. *Economic & Political Weekly*, 55(37), 39-43.
- Krishnan, T.S., Gupta, D. (2020). Making AI Work for You: A Layered Approach for Building Lasting AI Capability in your Organization. *Supply Chain Management Review*, March/April, 22-29.
- Gouda, S.K., Awasthy, P., Krishnan, T.S., Sreedevi, R. (2019). What does 'green quality' really mean? *The TQM Journal*, 31(1), 52-69.
- Krishnan, T.S. (2016). Global anthropogenic carbon dioxide emission in 2005: Environmental Kuznets Curve hypothesis and implications for policy. *International Journal of Environment*, 5(2), 48-60.
- Krishnan, T.S. (2016). Does better environmental governance reduce anthropogenic carbon dioxide emission? A cross-country analysis. *Law, Environment and Development Journal*, 12(1), 35-46.

BOOK CHAPTER

- Krishnan, T.S., Gouda, S.K. (2018). Impact of Policy on Closed-Loop Supply Chains of Lead-Acid Batteries. In A. Chakraborty et al. (Eds.), *Sustainable Operations in India* (pp. 175-190). Singapore: Springer.

PUBLICATIONS IN POPULAR MEDIA

Krishnan, T.S. (2021). India has failed to recognise that its e-waste disposers may be poor but their knowledge is rich, *Scroll.in*, March 18.

Gangwani, K.K., Krishnan, T.S., Papi Reddy, A.R., & Kiran, K. (2020). Realignment Strategies for Retailers in the Wake of COVID-19. *Logistics Insider*. 2(2), 64-66.

INVITED SESSIONS/TALKS

Qualitative Data Analysis, Faculty Development Programme on Data Driven Decision Making, National Institute of Technology Calicut, 2021.

Impact of Natural Background Radiation on Health, PhD course on Microeconometrics, National Institute of Technology Calicut, 2020.

Towards Understanding E-Waste Reverse Supply Chain, Recommerce Expo, Bangalore, 2020.

Supply Chain and Business Aspects of E-waste Recycling, Recommerce Expo, Bangalore, 2019.

Curriculum Development, National Consultative Workshop on MBA Programme in Waste Management (MHRD Initiative), Mahatma Gandhi National Council of Rural Education, 2019.

Introduction to E-waste and Generation with respect to various Industrial sectors and E-waste Management rules, Training Programme on Effective Management of Hazardous Waste and E-Waste Rules Including Co-Processing, International Institute of Waste Management, Bangalore, 2019.

Basics of E-waste Management, Certificate course in Industrial Solid Waste Management, International Institute of Waste Management, Bangalore, 2017.

Qualitative Research Methodology, ICSSR sponsored workshop on Research Methodology and Data Analytics for Social Sciences, VIT Business School, Vellore, 2016.

E-waste Management in India, International Conference on E-waste Management, Faculty of Management Studies, Dr. MGR University, Chennai, 2015.

PEER-REVIEWED CONFERENCE PRESENTATIONS

“Improving Logistics Performance using Image Processing: Extending Theory Through Practice-Oriented Case Study” (with Saibarath Sundar, Rahul Gupta, and Priyaranjan Kumar), *POMS International Conference*, Mumbai, 2019.

- “Extending Theorization of E-waste Product Take-Back Legislation: An Emerging Market Case Study”, *POMS International Conference*, Mumbai, 2019.
- “Understanding India’s E-waste Reverse Supply Chain”, *International Solid Waste Association Conference (Young Professionals Group)*, 2019.
- “Take-back legislation for Lead Acid Batteries: Stakeholders’ Perspectives in the Reverse Supply Chain” (with Renju Kokkattu, L S Murty), *IIIE-POMS 4th International Conference on Best Practices in Supply Chain Management*, Trivandrum, 2016.
- “Informal Economy in Product Take-back Legislation”, *Symposium on Advancing Sustainability Research and Education* organized by IIM Bangalore and UNC Kenan-Flagler Business School, IIM Bangalore, 2015.
- “Explaining Green Quality of a Product: Revisiting Garvin’s Eight Dimensions” (with Prakash Awasthy, Sirish Gouda), *18th Annual Conference of the Society of Operations Management*, IIT Roorkee, 2014.
- “EKC Hypothesis for Anthropogenic CO₂ Emission and Implications for Policy”, *9th International Conference on Public Policy and Management*, IIM Bangalore, August 2014.
- “Integrating Operations Management and Public Policy” (with Shubham Singh), *17th Annual Conference of the Society of Operations Management*, IIT Madras, 2013.
- “Quantifying the impact of Environmental Governance on Anthropogenic Carbon Dioxide Emission” (with Kalyan Kolukuluri), *7th Biennial Conference of the Indian Society of Ecological Economics*, Tezpur University, 2013.
- “Currency Demand Method for Measuring Informal Economy Size: Some Extensions”, *8th International Conference on Public Policy and Management*, IIM Bangalore, 2013.
- “Persisting Asymmetries in the Indian Higher Education System”, *International Conference on Educational Leadership*, IIM Bangalore, 2009.
- “Business Appraisal for PLM Implemented Industries” (with Balakrishnan G & Thirumavalavan K), *2nd International and 23rd National All India Manufacturing Technology Design and Research Conference (AIMTDR)*, IIT Madras, 2008.
- “Financial Justification of PLM Implementation in a Manufacturing Industry” (with Balakrishnan G & Thirumavalavan K), *3rd Management Science and Practice Conference*, IIM Ahmedabad, 2008.
- “Impact of Product Lifecycle Management on Total Quality Costs” (with Thirumavalavan K), *2nd International Conference on Management Research*, BIM Tiruchirappalli, February 2008.

“PLM Implementations in Indian Manufacturing Industries” (with Martin K A & Balakrishnan G),
National Conference on Product Lifecycle Management, Kongu Engineering College, Erode,
March 2007.