



Manickavel Arumugam

M.Tech, M.E, M.Sc, PGDBA, PMP,
PMI-RMP

Areas of research and teaching

- ▣ Underground Construction
- ▣ Metro Rail Projects
- ▣ Project Schedule Management
- ▣ Project Risk Management
- ▣ Project Quality Management
- ▣ Project Site Supervision and Site Control

Manickavel Arumugam has more than two decades of experience in the construction industry, with emphasis on Project Management & Site Control. He has supervised and managed several prestigious projects including the construction of underground Metro stations, Light Rail Transit (LRT) Depot and cut & cover tunnels in tricky environments. He also has extensive hands-on experience with precast components fabrication and installation.

He has rich project management experience by working for about 15 years in Singapore. His major projects include North East Line Metro, Circle Line Metro, Bukit Panjang Light Rail and Common Services Tunnel (CST) in Singapore and Chennai Metro Rail and Mumbai Metro Rail Projects in India.

He was a freelance project management consultant and trainer before joining IPM. He has conducted numerous training programmes for candidates aspiring to obtain the industry-recognized Project Management Professional (PMP) certification. He has given several guest lectures/ conducted training programmes at prestigious institutions/ organizations.

Qualifications

- M Tech in Knowledge Engineering from The National University of Singapore
 - M Sc in Civil Engineering from The National University of Singapore
 - M E in Hydrology and Water Resources Engineering from College of Engineering Guindy
 - PG Diploma in Business Administration from Annamalai University
 - B E in Civil and Structural Engineering from Annamalai University
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Professional Certifications

- Project management Professional (PMP) from Project Management Institute, USA
 - Risk Management Professional (PMI-RMP) from Project Management Institute, USA
 - Chartered Engineer, The Institution of Engineers (India)
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Publications

- V. Ravi, S. A. A. Shalom and **A. Manickavel**, "Sputter process variables prediction via data mining," IEEE Conference on Cybernetics and Intelligent Systems, 2004., Singapore, 2004, pp. 256-261 vol.1, doi: 10.1109/ICCIS.2004.1460422.
- "Lessons to be learned from Nicoll Highway Collapse in Singapore", Conference on Deep Foundation Technologies for Infrastructure Development in India, DFI 2014, Indian Institute of Technology Delhi, New Delhi, September 18 - 20, 2014