



## PE WSQ Programme in Improve Productivity through RFID-enabled Workflows Innovation Framework (40 hours)

Today's manufacturers must respond rapidly and effectively to challenges posed by high-mix low-volume production, shortened product lifecycles, increased demand variability, mass customisation, cost volatility and cutting, and low productivity. To achieve higher productivity, companies are increasingly looking to ensure the competency of their workforce in innovating existing workflows by using RFID technology. This involves studying production operation workflows and identifying business-improvement opportunities by deploying under-utilised capacity, by way of better utility of assets, through RFID tracking. It also implies studying inventory operation workflows and identifying resource waste reduction avenues through the timely detection of aged materials or the incorrect use of resources using RFID tools. This project-based, hands-on training programme will allow participants to study their existing production workflows and identify opportunities to improve business productivity and efficiency with the implementation of RFID tools and technology.

### Why This Course

- Hands-on RFID training from experienced trainers in the field
- Problem-based learning and course work
- Application of proven RFID technology
- Learn from real-life industrial case studies

### Who Should Attend

- Department heads/supervisors/engineers and IT support staffs who are interested in improving the traceability and management of their production, operations, personnel, and/or assets
- Production/operations managers and directors who are the decision makers for traceability and management improvement initiatives
- System integrators and solution providers

### When and Where

Please visit our website at [KTO.SIMTech.a-star.edu.sg](http://KTO.SIMTech.a-star.edu.sg) for the updated course schedule.

Training Venue:

Singapore Institute of Manufacturing Technology  
2 Fusionopolis Way, Innovis, Level 8, Singapore 138634

*\*Five daytime classes from 9.00am to 5.30pm, spread over three weeks.*

## What You Will Learn

- RFID Technology: RFID tags, readers, middlewares, and system
- Workflow Analysis: Modeling 'As-Is' workflows for inefficiency and waste management
- Improve Workflows: Creating 'to-be' RFID-enabled workflows
- Specify RFID applications
- Define productivity measures and improvement targets

## About the Course Leaders



**Dr Gan Oon Peen** is a Research Scientist and Group Manager at the Singapore Institute of Manufacturing Technology (SIMTech). He played a key role in initiating the National RFID Centre Singapore, where he is now a Technical Lead. Dr Gan received his PhD from the National University of Singapore and completed his post doctorate research at the Centre for Process System Engineering, Imperial College London. He has overseen over twenty RFID projects.

## Course Fee and Funding

- The full course fee for this module is S\$3,000 before course fee funding & GST.
- All Singaporeans and Permanent Residents aged 21 years and above can enjoy course fee funding of up to **70%** of the course fee.
- Singaporean or Permanent Resident employees fully sponsored by SMEs can enjoy course fee funding support of up to **90%** of the course fee under the **Enhanced Training Support for Small & Medium Enterprises (SMEs)** scheme, subject to eligibility criteria.
- Singaporeans aged 40 years and above can enjoy course fee funding of up to **90%** of the course fee under the **SkillsFuture Mid-career Enhanced Subsidy (MCES)**.
- Singaporeans aged 35 years and above with earnings not more than S\$2,000 per month can enjoy course fee funding for **95%** of the course fee under the **Workfare Training Support (WTS)** scheme.
- Singaporeans aged 25 years old and above are eligible for **SkillsFuture Credit** which can be used to offset course fees.

For more information about the course fee funding, please visit [www.ssg.gov.sg](http://www.ssg.gov.sg)