



STRADFORD INTERNATIONAL COLLEGE

DK183(P)

DURATION : 70 HOURS

Manufacturing Operational Excellence Program

COURSE VENUE

- a) **Public Program**
Stradford International College / External Training Locations
- b) **In-house Program**
Inhouse / External Training Available.

WHO SHOULD ATTEND

School Leavers / Retrenched Workers

CERTIFICATION

Certificate in Manufacturing Operational Excellence Training Program by Stradford International College (S I C)

OVERVIEW

Many PCBA industries are hiring candidates with knowledge in PCBA Process and IPC610 Inspection criteria.

With its comprehensive criteria for printed circuit board assemblies, IPC-A-610 is the most widely used inspection standard in the electronics industry — and has earned an international reputation as the source for end-product acceptance criteria for consumer and high reliability printed circuit assemblies.

There are many enquiries by PCBA Industries to hire trained candidates (several thousands in stages) for immediate job placement to support their business up-site

COURSE RELEVANCY TO EMPLOYER

The employer can get trained employees in soft and technical skills. This course also helps to increase productivity and efficiency.

Continuous improvements in processes can help remove inefficiencies and improve outputs and quality and ultimately improve the productivity of team members thus contributes to operation KPI through teamwork.

COURSE OBJECTIVES

To place and train candidates for PCBA assembly operation. This program is for school leaver's entry level to Manufacturing sector.

The program gives broad knowledge of PCBA Assembly that enable the operator to play a significant role in manufacturing floor to produce high quality product on time with low cost in safe working environment.

LEARNING OUTCOMES

At the end of the course, the participant is able to understand :

1. How to visually recognize various components?
2. Understand various PCBA Assembly processes.
3. Understand soldering techniques, tools and material used.
4. Understand all types of inspections and where to use in PCBA process and defects associated with those inspections.
5. Participant will be introduced to IPC 610 Inspection Criteria requirements for various classes.
6. Understand PCB paneling process.
7. Understand Press-Fit Technology.

COURSE OUTLINE

- Module 1- Soft Skills
- Module 2 – Basic Electronics
- Module 3 – PCB Inspection
- Module 4 – Introduction to IPC 610 Requirements
- Module 5 – Soldering Techniques 101
- Module 6 – Press Fit Technology
- Module 7 – Introduction to Router (PCB depaneling/ singulation process)

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