

11.a Carry on diagnostic activities interfacing machines/assembly lines and collecting data by Visual Programming tools (*resolve equipment malfunctions, maintain control systems for automated equipment, perform test run*)

Functional Area: QA

Pre-Requisites:

Assessment criteria

Knowledge

LO11a.1. Develops plans of assembly and maintenance of installations, applying programming techniques and establishing procedures for execution monitoring and control.

- Follow and maintain procedures to be in line with HMI general requirements
- Test the Electronic components using proper instruments and tools
- Carry out a simple debugging procedure and report results
- Carry out a procedure on an ATE on production/assembly line

- Knowledge of Basic Electronic components (active and passive) and relevant symbols
- Reading of electronic circuit drawing.
- Knowledge of Types of Resistors, capacitors and their identification
- Understanding of Working and operation of Diodes, Rectifier circuits. Zener voltage Regulators
- Knowledge of Transistors and their applications.

Skills

- Collaborate effectively within multidisciplinary teams
- Identify, analyse, synthesize and act on information from a range of sources, verbal, written and in electronic format
- Understand functional application of different levers, stoppers, adjustment etc.
- Install Operating Systems and Device Drivers, Install/Uninstall Application software

Transferable skills

- Understand descriptions, specifications, manuals and other info typical of the profession in English

	<ul style="list-style-type: none">• Ability to communicate effectively, orally and in writing with “engineering” community and with “society” (extrapolating concepts for “non-experts) through an abstraction approach• Ability to submit and discuss presentations on practical cases
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