11.b 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 LO11b.1. Diagnoses breakdowns in discrete and Reading of electronic circuit drawing. continuous simulated mechatronic systems, identifying the nature of the breakdown, making the necessary Knowledge of Types of Resistors, corrective interventions to eliminate the dysfunction and capacitors and their identification restore function. Understanding of Working and operation Carry out a procedure on an ATE on of Diodes, Rectifier circuits. Zener voltage production/assembly line, following instruction Regulators manuals Knowledge of Transistors and their Demonstrate possible solutions and agree tasks applications. within a team **Skills** Capability to Check PC Power Supply, SMPS cables and connections to mother boards, connection of I/O devices to PC, HDD/DVD cables. 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. Transferable skills Collaborate effectively within multidisciplinary teams Analyze descriptions, specifications, manuals and other info typical of the profession in English, providing comments on how to improve them

•	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 prepare draft operational

procedures on practical cases