



THE MERU NATIONAL
POLYTECHNIC

Technology for Innovation & Development

Become a Competent AUTOMATION CONTROL INSPECTOR

(REGISTER FOR: INSTRUMENTATION AND CONTROL)

What you will learn:

- Workplace Health and Safety
- Quality Improvement Principles
- Productivity Improvement Measures
- Measurements and technical drawings
- Electrical Technology and Installations
- How to Install and Service Programmable Logic Controllers (PLCs)
- Stand-alone Controllers (SACs) Connections and Functions
- Hold Circuit Controller
- Stairwell Circuit
- Tank Filling system
- Outdoor Lighting
- Star Delta Circuit
- Motor Starter Circuit

Instrumentation and Control: Simple Automation Control Inspector Certificate

At the end of the 6-months you will receive a Certificate of Competency Level IV in Instrumentation and Control: Simple Automation Control Inspector from TVET

Instrumentation and Control Jobs

Instrumentation and Control Technicians install and service a variety of plant systems including safety and security, energy delivery (hydraulic, pneumatic and electrical), communication, and process control systems. They also install and service measuring and indicating instruments to monitor processes and equipment.

With this certificate, you can therefore work in:

- The Manufacturing Industry - Growth in this field will be exponential as the government implements the Big 4 agenda and the country works towards achieving vision 2030.
- Industries that use automated systems such as Highlands mineral water Company, Kevian Kenya Limited, Kenya breweries, Bidco oil refineries, Kenya Ports Authority, Kurrent Technologies Ltd, Paytech Limited and Nairobi Bottlers Ltd amongst many others.

Simple automation control inspector skills are currently in high demand from the industries as they automate systems.

Why study this course under the Competency Based Education and Training (CBET) Approach?

The CBET approach places emphasis on practical training with very little theoretical learning. This makes the course ideal for anyone who loves working with their hands. In addition:

- You will train on a specific skill & technology relevant to Industry
- Total duration of course is 6 months- 3 Months theory practice; 3 Months in an Industry
- Certification is nationally accepted while the Training is locally & globally recognized
- You have higher chances of self and formal employment – skilled laborers are in high demand locally and internationally

Minimum requirement: KCSE grade D+

Examining Body: TVET CDACC

Certification and Accreditation under CBET

CBET is a globally accepted training principle. In Kenya, it was launched in

March 2017 with the pilot level IV modularised CBET training program consisting of 3 months' theory at the selected institutions and 3 months' industry based training.

CBET approach will be implemented by Ministry of Education and its subordinated bodies such as TVETA and TVET CDACC. Occupational standards and curricula have been developed in select institutions for the January 2019 in the following courses:

- Instrumentation and Control
- Manual arc welding
- Mechanical technology: Lathe machine operations
- Heavy and Light Machinery