



## **ENGINEERING PROGRAMMES**

### **ZAMBIA QUALIFICATIONS FRAMEWORK (ZQF) - LEVEL 6**

#### **SYLLABUS**

#### **FOR**

#### **DIPLOMA IN**

#### **MAINTENANCE AND MANAGEMENT OF ELECTRICAL AND MECHANICAL EQUIPMENT**

**Programme No. 412**

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## **ACRONYMS**

<b>A.P.S</b>	<b>ARITHMETIC PROGRESSIONS</b>
<b>AQC</b>	<b>ACCEPTANCE QUALITY CONTROL</b>
<b>CDIO</b>	<b>CONCEIVING, DESIGNING, IMPLEMENTING &amp; OPERATING</b>
<b>CLM</b>	<b>CHINA LUANSHYA COPPER MINE</b>
<b>CMOS</b>	<b>COMPLEMENTARY METAL OXIDE SEMICONDUCTORS</b>
<b>CNC</b>	<b>COMPUTER NUMERICAL CONTROL</b>
<b>DC</b>	<b>DIRECT CURRENT</b>
<b>DEMUX</b>	<b>DEMULTIPLEXERS</b>
<b>ECM</b>	<b>ELECTRO-CHEMICAL MACHINING</b>
<b>EDM</b>	<b>ELECTRO DISCHARGE MACHINING</b>
<b>EMF</b>	<b>ELECTROMOTIVE FORCE</b>
<b>FOLI</b>	<b>FIRST- OUT LAST- IN</b>
<b>G.P.S</b>	<b>GEOMETRIC PROGRESSIONS</b>
<b>HVTC</b>	<b>HARBIN VOCATIONAL &amp; TECHNICAL COLLEGE</b>
<b>I/O</b>	<b>INPUT/OUTPUT</b>
<b>LAN</b>	<b>LOCAL AREA NETWORK</b>
<b>MBO</b>	<b>MANAGEMENT BY OBJECTIVES</b>
<b>MIG</b>	<b>METAL INERT GAS</b>
<b>MUX</b>	<b>MULTIPLEXERS</b>
<b>NC</b>	<b>NUMERICAL CONTROL</b>
<b>P&amp;ID</b>	<b>PROCESS AND INSTRUMENTATION DRAWING STANDARDS</b>
<b>PCB</b>	<b>PRINTED CIRCUIT BOARD</b>
<b>QHSE</b>	<b>QUALITY, HEALTH, SAFETY, AND ENVIRONMENT</b>
<b>SFG</b>	<b>SIGNAL FLOW GRAPHS</b>
<b>SMPS</b>	<b>SWITCH-MODE POWER SUPPLY</b>
<b>TEVETA</b>	<b>TECHNICAL EDUCATION VOCATIONAL AND ENTREPRENEURSHIP TRAINING AUTHORITY</b>
<b>TIG</b>	<b>TUNGSTEN INERT GAS</b>
<b>TTL</b>	<b>TRANSISTOR- TRANSISTOR LOGIC</b>
<b>UPS</b>	<b>UNINTERRUPTED POWER SUPPLY</b>

## 1.0 ABOUT TEVETA

The Technical Education, Vocational and Entrepreneurship Training Authority (TEVETA) is an institution established under TEVETA Act No. 13 of 1998 read together with the Amendment Act No. 11 of 2005. Its functions include, to regulate, coordinate and monitor education, vocational and entrepreneurship training in consultation with stakeholders.

TEVETA executes its regulatory function through the provision of services, among others, the development, review and approval of TEVETA Curricula in consultation with industry, employers, employees and other stakeholders.

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