



**ENGINEERING PROGRAMMES
ZAMBIA QUALIFICATIONS FRAMEWORK (ZQF) LEVEL 6
SYLLABUS
FOR
DIPLOMA
IN
AUTOMOTIVE BODY REPAIR AND VEHICLE COMFORT SYSTEMS
CHART NO. 417**

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ACRONYMS

ABS	Anti-lock Braking System
BJT	Bipolar Junction Transistor
CDU	Curriculum Development Unit
DD	Development Division
ECU	Electronic Control Unit
EFI	Electronic Fuel Injection
HER	Heavy Equipment Repair
IC	Intergretd Circuits
ITC	Industrial Training Centre
KIT	Kabwe Institute of Technology
LMDD	Learning Materials Design and Development
LTBC	Luanshya Technical and Business College
NTC	Negative Temperature Coefficient
PACRA	Patent and Company Registration Agency
PECS	Personal Entrepreneurial Competencies
PTC	Positive Temperature Coefficient
RPM	Revolutions Per Minute
SZVCST	SinoZam Vocational College of Science and Technology
TEVETA	Technical Education, Vocational and Entrepreneurship Training Authority
ZRA	Zambia Revenue Authority

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1.0 ABOUT TEVETA

The Technical Education, Vocational and Entrepreneurship Training Authority (TEVETA) is an institution established under TEVET Act No. 13 of 1998 read together with TEVET (Amendment) Act No. 11 of 2005, to regulate, coordinate and monitor technical 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 TEVET Curricula in conjunction with stakeholders.

2.0 ACKNOWLEDGEMENTS

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3.0 RATIONALE

The automotive industry is one of the global industries which looks at the various aspects of motor vehicles including among others; mechanical, electrical and electronics, vehicle body and comfort as well as the industry dealership aspects. These aspects put together guarantees a thriving industry and customer satisfaction. In Zambia, the aspects of automotive industry with more formal recognition is Automotive mechanics and Automotive Electrical and Electron, while the Auto body and Comfort hasn't received much formal recognition. This is evident in the heavy presence of Automotive Mechanics and Automotive Electrical programmes from the lowest to the highest qualification level in the TEVET sector as compared to the Automotive programme which only goes upto a Level 4 Certificate in terms of qualification.

The current Automotive sector demands not only the knowledge and skills vehicle body restoration and replacement of vehicle body parts, but also the restoration as well as the replacement of the various motor vehicle comfort systems that comes with the latest vehicle designs. Currently, the available level Certificate curriculum in Automotive repair programme only focuses on the vehicle body restoration and parts replacement of vehicle body parts, leaving out the comfort system.

In this regard, Diploma in Automotive Repair and Vehicle Comfort systems has been developed to provide the Automotive industry with competent technologist who will competently restore, replace and maintain, not only the motor vehicle body and parts, but also the and comfort systems to expected automotive standards.