



THE KITALE NATIONAL POLYTECHNIC

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Date: 20/01/2026

Our Ref: KNP/XM/GF/CORR/VOL.2

**RE: INVITATION FOR ASSESSMENT TOOL DEVELOPMENT & VALIDATION FOR
MARCH/APRIL 2026 KNP ASSESSMENT SERIES**

The Kitale National Polytechnic, established as a Qualification Awarding Institution under Legal Order No. 95 of 2016 is mandated to train assess and certify various trades and disciplines. We are pleased to invite eligible and interested individuals to participate in the development of assessment tools in the areas listed below.

The interested individuals are requested to submit the following documents in a zipped folder labeled with their names to the email: exams@kitalenationalpolytechnic.ac.ke

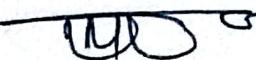
- i) A cover letter indicating the units to develop;
- ii) A detailed Curriculum Vitae (CV);
- iii) Relevant academic and professional testimonials.

Kindly indicate the department and course in the subject of the email. Candidates with tool development experience shall have added advantage.

The interested individuals should meet the following requirements:

- i) Minimum academic qualification of Higher National Diploma (HND) in the relevant area.
- ii) Minimum training/industry experience of three years.

All submissions should be sent on or before **6th February 2026**. We look forward to your participation in this important exercise as we work together to uphold the quality and standards of technical and vocational education.


DR. TOM MULATI
CHIEF PRINCIPAL

**KITALE NATIONAL POLYTECHNIC
CHIEF PRINCIPAL**

23 JAN 2026

SIGN:.....
P. O. Box 2162 - 30200, KITALE

MARCH/APRIL 2026 UNITS FOR TOOL DEVELOPMENT

S/ No	Department	COURSE NAME	Level	Unit Name	
1.	BUILDING	1. PLUMBING	3	Workplace Essential Skills	
					Domestic Water Supply Installation
					Sanitary Appliances Installation
					Domestic Drainage Systems Installation
		2. PLUMBING	4	Workplace Essential Skills	
				Domestic Water Supply Installation	
				Sanitary Appliances Installation	
				Domestic Drainage Systems Installation	
	3. PLUMBING	5	Workplace Essential Skills		
				Domestic Water Supply Installation	
				Sanitary Appliances Installation	
				Workshop Technology	
				Domestic Drainage Systems Installation	
	4. QUANTITY SURVEY LEVEL	6	Digital Literacy		
				Technical Drawing	
				Workshop Technology	
				Construction Works - Perform Building Works	
	5. BUILDING TECHNOLOGY	3,4,5	Masonry Structures Construction		
				Masonry Works Finishes	

			Masonry Unit Production
6. BUILDING TECHNOLOGY	6		Masonry Structures Construction
			Masonry Works Finishes
			Perform Building Temporary Works
			Masonry Unit Production
7. LAND SURVEY	5,6		Apply Digital Literacy
			Apply Engineering Mathematics
			Operate Survey Instruments
			Apply Principles of Cartography
			Conduct Topographical Survey
8. CIVIL ENGINEERING	6		Apply Digital Literacy
			Apply Communication Skills
			Apply Work Ethics and Practices
			Apply Construction Material Science 1
			Carry Out Site Survey
			Carry Out Civil Works 1
			Workshop Technology
9. CARPENTRY AND JOINERY	4,5		Construct Temporary Works 1
			Fix Doors and Door Frames
			Install Cabinetry Works
10. PLUMBING	4,5		Basic Mathematics
			Water Supply System for Domestic Buildings
			Rainwater Harvesting System for Domestic Buildings

			Domestic Drainage Systems Installation
			Sanitary Appliances
	11. QUANTITY SURVEY	6	Engineering Survey 1
			Building Drawings
			Technical Drawing
			Construction Works- Perform Civil Engineering Works.
	12. BUILDING TECHNOLOGY	4,5,6	Masonry Essential Skills
			Perform Building Site Preliminary Works
			Perform Building Temporary Works
			Build Masonry Works
	13. LAND SURVEY	5,6	Apply Communication Skills
			Apply Engineering Mathematics I
			Conduct Engineering Survey I
			Conduct Control Survey
	14. CIVIL ENGINEERING	6	Demonstrate Works Technology Skills
			Prepare for Materials Testing
			Prepare and Interpret Technical Drawings
			Apply Construction Material Science II
			Apply Mathematics Principles
			Execute Road Construction Works I

	15. ROAD CONSTRUCTION	5	Demonstrate Works Technology Skills Prepare for Materials Testing Prepare and Interpret Technical Drawings Apply Construction Material Science II Apply Mathematics Principles Execute Road Construction Works I
	16. PLUMBING	5	Digital Skills Basic Mathematics Technical Drawing Construction Material Science Workshop Technology Skills Water Supply Systems Water Storage Systems Fire Control Systems
	17. QUANTITY SURVEY	6	Building Temporary Works Civil Engineering Drawing Engineering Mathematics Engineering Survey II
	18. BUILDING TECHNOLOGY	5,6	Apply Communication Skills Apply Basic Mathematics I Apply Technical Drawing Building Substructure Works Produce Masonry Units
	19. LAND SURVEY	5,6	Apply Entrepreneurial Skills

			Apply Work Ethics and Practices
			Apply Engineering Mathematics
			Apply Principles of Land Law I
			Conduct Cadastral Survey
20. CIVIL ENGINEERING	6	Civil Engineering Survey I	
		Algebra and Geometry	
		Execute Road Construction Works II	
		Prepare for Materials Testing II	
		Structural Analysis Principles I	
21. BUILDING TECHNOLOGY	6	Engineering Mathematics	
		Building Superstructure Works	
		Building Finishes	
		Carry Out Building Finishes	
22. CIVIL ENGINEERING	6	Road Construction Works I	
		Civil Engineering Structures Design	
		Measurements, Estimation and Costing Principles III	
		Calculus and Differential Methods	
		Water Supply Infrastructure Design	
23. BUILDING TECHNOLOGY	5	Masonry Structures Construction	
		Masonry Works Finishes	
		Masonry Unit Production	
		Perform Building Temporary Works	

			Build Masonry Walls
24. BUILDING TECHNOLOGY	6	Engineering Mathematics I	
		Produce Masonry Units	
		Building Site Preliminary Works	
		Perform Building Temporary Works	
25. BUILDING TECHNOLOGY	6	ENGINEERING MATHEMATICS I And II	
		Workshop Technology Practices	
		Produce Masonry Units	
		Building Site Preliminary Works	
		Perform Building Temporary Works	
		Building Drawings	
		Building Substructure Works	
26. CIVIL ENGINEER	6	Structural Analysis Principles I	
		Workshop Technology Practices	
		Measurements, Estimation and Costing Principles I	
		Civil Engineering Drawings I	
		Civil Engineering Drawings II	
		Conduct Materials Testing I	
		Prepare Materials Testing	
		Civil Engineering Survey I	
		Civil Engineering Survey II	
		Structural Analysis Principles I	
27. CIVIL ENGINEERING	6	Structural Analysis Principles I	

			Workshop Technology Practices
			Measurements, Estimation and Costing Principles I
			Civil Engineering Drawings I
			Civil Engineering Drawings II
			Conduct Materials Testing I
			Prepare Materials Testing
			Civil Engineering Survey I
			Civil Engineering Survey II
	28. LAND SURVEY	6	Operate Survey Instruments
			Apply Principles of Cartography
			Conduct Topographical Survey
			Conduct Control Survey
			Apply Engineering Mathematics I, II And III
			Apply Principles of Land Law I
			Conduct Cadastral Survey
	29. LAND SURVEY	6	Apply Engineering Mathematics
			Operate Survey Instruments
			Apply Principles of Photogrammetry and Remote Sensing
			Apply Land Laws
			Conduct Engineering Survey
			Conduct Cadastral Survey
			Conduct Hydrographic Survey
			Conduct Mining Survey
			Apply Principles of Gis

	30. LAND SURVEY	6	Apply Engineering Mathematics
			Operate Survey Instruments
			Apply Principles of Photogrammetry And Remote Sensing
			Conduct Engineering Survey
	31. LAND SURVEY	5	Operate Survey Instruments
			Apply Principles of Cartography
			Conduct Topographical Survey
			Conduct Control Survey
			Apply Engineering Mathematics I, II And III
			Apply Principles of Land Law 1
			Conduct Cadastral Survey
	32. LAND SURVEY	5	Operate Survey Instruments
			Apply Principles of Cartography
			Conduct Topographical Survey
			Conduct Control Survey
			Apply Engineering Mathematics I, II And III
			Apply Principles of Land Law 1
			Conduct Cadastral Survey
	33. QUANTITY SURVEY	6	Building Construction Works I
			Building Construction Works II
			Measurement Of Building Works I

				Materials Science Principles
				Engineering Survey II
				Workshop Processes And Practices
	34. PLUMBING	5		Construction Material Science
				Workshop Technology Skills
				Fire Control Systems
				Water Supply Systems
				Water Storage Systems
	35. PLUMBING	5		Construction Material Science
				Workshop Technology Skills
				Fire Control Systems
				Water Supply Systems
				Water Storage Systems
2.	BUSINESS STUDIES	1. DIPLOMA IN ACCOUNTANCY	6	Undertake Business Communication
				Apply Work Ethics and Practices
				Apply Principles of Commercial Law
				Apply Management Skills
				Carry Out Business Mathematics and Statistics
				Demonstrate Information Communication Technology (ICT)
				Apply Entrepreneurship Skills

			Carry Out Financial Accounting
			Demonstrate Fundamentals of Accounting
			Apply Economics Skills
2. DIPLOMA IN BANKING AND FINANCE	6		Conduct Financial Management
			Carry Out Business Mathematics and Statistics
			Apply Management Skills
			Perform Credit Administration
			Mange Bank Compliance
			Offer Customer Service
			Apply Entrepreneurship Skills
			Apply Digital Literacy
			Manage Customer Relationship
			Manage Electronic Banking
			Offer Customer Service
3. DIPLOMA IN COOPERATIVE MANAGEMENT	6		Undertake Business Communication
			Apply Principles of Commercial Law
			Manage Cooperative Security Measures
			Apply Management Skills
			Carry Out Business Mathematics and Statistics
			Apply Digital Literacy
			Apply Entrepreneurial Skills
			Apply Cooperative Law

<p>4. DIPLOMA IN BUSINESS MANAGEMENT & CERTIFICATE IN BUSINESS MANAGEMENT</p>	<p>5&6</p>	<p>Apply Principles of Commercial Law</p> <p>Apply Management Skills</p> <p>Perform Staffing Activities.</p> <p>Perform Administrative Assistant Duties.</p> <p>Carry Out Business Mathematics and Statistics</p> <p>Apply Business Communication</p> <p>Apply Digital Literacy</p> <p>Apply Entrepreneurial Skills</p> <p>Apply Economics Skills</p> <p>Perform Purchasing Activities</p> <p>Perform Sales Activities</p>
<p>5. DIPLOMA IN HUMAN RESOURCE MANAGEMENT & CERTIFICATE IN HUMAN RESOURCE MANAGEMENT</p>	<p>5&6</p>	<p>Undertake Business Communication</p> <p>Co-Ordinate Employee Training and Development</p> <p>Conduct Employee Resourcing</p> <p>Manage Human Resource Records</p> <p>Co-Ordinate Employee Performance</p> <p>Apply Principles of Commercial Law</p> <p>Apply Management Skills</p> <p>Carry Out Business Mathematics and Statistics</p> <p>Manage Employee Relations</p> <p>Undertake Employee Separation</p>

			Apply Digital Literacy
			Apply Entrepreneurial Skills
			Apply Work Ethics and Practices
6. DIPLOMA IN MARKETING MANAGEMENT & CERTIFICATE IN MARKETING MANAGEMENT	5&6	Apply Digital Literacy	
		Apply Entrepreneurial Skills	
		Apply Economics Skills	
		Customer Experience	
		Conduct Marketing Communication Activities	
7. DIPLOMA IN SUPPLY CHAIN MANAGEMENT, CERTIFICATE IN SUPPLY CHAIN MANAGEMENT & ARTISAN IN STOREKEEPING	4, 5&6	Receive Delivered Goods	
		Classify and Codify Procured Goods	
		Manage Storage of Goods	
		Preserve Stored Goods	
		Issue and Dispatch Goods	
		Manage Stores Safety and Security	
		Undertake Business Communication	
		Apply Work Ethics and Practices	
		Apply Financial Accounting Skills	
		Handling Organization Materials	
8. DIPLOMA IN OFFICE ADMINISTRATION, CERTIFICATE IN OFFICE ADMINISTRATION & ARTISAN IN OFFICE ASSISTANT	4, 5&6	Maintain Office Paper Records	
		Coordinate Office Repairs and Maintenance	
		Introduction to Shorthand Skills II	

				Introduction to Process Office Documents II
				Undertake Business Communication
				Manage Telephone Calls
				Apply Work Ethics and Practices
				Intermediate Shorthand Skills I
				Intermediate Office Documents Processing II
				Apply Ict Skills
				Handle Office Correspondence
				Handle Office Errands
				Handle Customer Care Duties
				Introduction to Shorthand Skills I
				Introduction to Process Office Documents I
3. FASHION DESIGN AND COSMETOLOGY	1. FASHION DESIGN	3, 4, 5 & 6	Perform Sewing Machine Operations	
				Construct Basic Ladies' Garments
				Construct Basic Gents' Garments
	2. FASHION DESIGN	5 & 6	Produce Styled Garments	
				Produce Decorated Fabrics (Tie & Die and Printing)
	3. FASHION DESIGN	5 & 6	Apply Digital Literacy Apply Communication Skills Apply Fashion Design and Sketching	

				Apply Textile Material Principles
				Produce Fabric Decoration (Batik and Embroidery)
				Produce Ladies Wear
4. COSMETOLOGY	3, 4, 5 & 6		Provide Barbering Service	
			Provide Plaiting and Braiding Service	
			Provide Manicure and Pedicure Service	
5. COSMETOLOGY	4, 5, 6		Provide Make Up Service	
			Provide Hair Addition Service	
			Provide Hair Styling Service	
6. COSMETOLOGY	5, 6		Conduct Nail Care Service	
			Conduct Dreadlocking Service	
			Conduct Hair Removal Service	
			Apply Communication Skills	
			Demonstrate Digital Literacy	
			Manicure and Pedicure	
			Make Up	
			Hair Styling	
			Hair Addition	
			Plaiting and Braiding	
			Dreadlocking	
			Nail Care	
			Hair Removal	
			Barbering	

4.	ELECTRICAL AND ELECTRONICS	1. TELECOMMUNICATION TECHNOLOGY	6	Electrical Installation
				Digital Literacy
				Engineering Drawing
		2. INSTRUMENTATION AND CONTROL TECHNOLOGY	6	Engineering Technician Mathematics
				Specialized Power Systems Installation
				Apply Work Ethics and Practices
		3. ELECTRICAL ENGINEERING TECHNOLOGY	6	Computer Network Installation
				Electrical Principles
				Electrical Installation
				Instrumentation & Control System Components Installation
				Instrumentation & Control System Operations
				Instrumentation & Control System Maintenance
				Digital Literacy
				Engineering Drawing
				Electrical Principles
				Electronic Circuit Fabrication
				Hydraulic & Pneumatic System Installation
				PVC Sheathed Cable System Installation
				Trunking System Installation
				Conduit System Installation
				Stand Alone Solar PV System
				Bell & Alarm Installation

			Electrical Machine Winding
			Digital Skills
			Communication Skills
			Basic Electrical Principles
			Technical Drawing
			Electrical Installation
	4. ELECTRICAL ENGINEERING TECHNOLOGY	5	PVC Sheathed Cable System Installation
			Trunking System Installation
			Conduit System Installation
			Stand Alone Solar PV System
			Bell & Alarm Installation
			Electrical Machine Winding
			Digital Skills
			Communication Skills
			Basic Electrical Principles
			Technical Drawing
			Electrical Installation
	5. ELECTRICAL INSTALLATION TECHNOLOGY	4	PVC Sheathed Cable System Installation
			Trunking System Installation
			Conduit System Installation
			Stand Alone Solar PV System
			Bell & Alarm Installation
			Electrical Machine Winding
	6. ELECTRICAL INSTALLATION	5	Engineering Mathematics
			Electrical Principles

				Technical Drawing
				Electrical Installation
				Transmission Power Lines Installation
				Security Installation
				Electrical Installation Maintenance
				Workshop Technology
5.	HEALTH SCIENCES	1. BIOMEDICAL ENGINEERING	5 & 6	Work Ethics and Practice
				Workshop Technology
				Refrigeration & Air Conditioning
				Engineering Technician Mathematics I
				Human Anatomy and Physiology
				Mechanical Science
				Digital Literacy
				Communication Skills
				Engineering Technician Mathematics II
				Electrical Principles I
				Dental Equipment
				Hospital Plant Building Service I
				Electrical Principles II
				Hospital Plant Building Service II
				Analogue Electronics I
				Technical Drawing I

			Maternity Equipment
			Analogue Electronics II
			Technical Drawing II
			Diagnostic Lab Equipment
			Operate Theatre Equipment
			Entrepreneurial Skills
	2. COMMUNITY HEALTH	5 & 6	Community Health Information Systems
			Maternal Newborn Child Health Care
			Nutrition in Community Health
			Digital Literacy
			Communication Skills
			Digital Literacy
			Health Education Promotion
			Microbiology and Parasitology
			Community Health Strategies
			Community Health Linkages
			Community Based Health Care
			Human Anatomy and Physiology
			Work Ethics and Practice
			Community Health Linkages
			Community Based Health Care
			Human Anatomy and Physiology
			Work Ethics and Practice
	3. NUTRITION AND DIETETICS	5 & 6	Digital Literacy
			Nutrition Care Process

				Principles of Human Nutrition
				Management of Malnutrition
				Maternal Infant & Young Child
				Nutrition
				Human Anatomy and Physiology
				Dietetics Operations
				Communication Skills
				Nutrition Legal Ethics
				Nutrition in Communicable and Non-Communicable Diseases
				Management of Specialized Meals
				Communication Skills
				Nutrition Legal Ethics
				Nutrition in Communicable and Non-Communicable Diseases
				Management of Specialized Meals
	4. HEALTH RECORDS AND IT.	5 & 6		Computer Applications
				Medical Terminologies
				First Aid
				Communication Skills
				Health Records Management I
				Health Statistics I
				Clinical Coding and Data Classification
				Health Statistics II
				Human Pathology II

				Medical Terminologies II Health Records Management II Clinical Coding and Health Data Classification II Health Information Systems II. Human Anatomy I Computer Applications I Epidemiology II Medical Demography II Health Records Management IV Clinical Coding and Health Data Classification III Health Information Systems III. Health Systems Management I. Disaster Management Quality Assurance Health Systems Management II. Health Records Management IV Monitoring And Evaluation I Community Health Research Methodology Clinical Coding and Data Classification
6.	LIBERAL	1. LIBRARY AND INFORMATION SCIENCE	5	Information Collection Development Information Material Processing Records Organization

				Entrepreneurial Skills
				Information Material Restoration
				Library Circulation Services
				Library Cataloguing
				Knowledge Management
				System Analysis and Design
				Digital Literacy
	2. CHILD PROTECTION	5		Communication Skills in Child Protection
				Child Protection Interventions
				Psycho-Social Support
				Digital Literacy in Child Protection
				Child Welfare Programs
				Child Rights Advocacy
				Work Ethics in Child Protection
				Entrepreneurial Skills in Child Protection
				Child Case Management
	3. PROJECT MANAGEMENT	5		Business Communication
				Work Ethics and Practices
				Basic Financial Accounting Skills
				Project Inception
				Digital Literacy
				Entrepreneurial Skills
				Project Stakeholders

			Procurement of Goods, Work and Services
			Principles of Commercial Law
			Management Skills
			Business Mathematics and Statistics
			Project Environmental Management
	4. COUNSELING PSYCHOLOGY	5	Provision of Basic Counselling Services
			Communication Skills in Counselling
			Digital Literacy in Counselling
			Psychological First Aid (Pfa) Services
			Entrepreneurship in Counselling
			Community Counselling
			Administrative Duties In Provision Of Counselling Services
			Work Ethics and Practices
	5. SOCIAL WORK	3	Home Based Care
			Community Based Groups
			Community Awareness
			Social Research Essentials
			Child Welfare Support
			Project Resources
			Communication Skills in Social Work
			Digital Literacy

				Psychosocial Support
				Case Management
6. HEALTH CARE SUPPORT ASSISTANT	3		House Keeping Services	
			Dietary Interventions	
			Psychosocial Support	
			Pre-Departure Training	
7. RECORDS AND ARCHIVES MANAGEMENT	5		Manage Information Creation and Collection	
			Manage Archives and Records Unit	
			Preserve Organization Archives and Records	
			Manage Organization Records and Archives	
			Manage Digital Records and Archives	
			Perform Archiving Management	
			Communication in Record and Archive Management	
			Conduct Records Disposal	
			Secure Records and Archival Materials	
			Appraise and Legalize Records and Archive Management	
7. APPLIED SCIENCE	5		Basic Mathematics for Science	
			Biology Techniques,	
			Physics Techniques,	
			Chemistry Techniques,	

			Science Laboratory Practice
2. SCIENCE LABORATORY TECHNOLOGY	6		Basic Mathematics for Science, (Written)
			Biology Techniques,
			Physics Techniques,
			Chemistry Techniques,
			Science Laboratory Practice
3. SCIENCE LABORATORY TECHNOLOGY	5		Digital Literacy, (Written)
			Communication Skills, (Written)
			Biology Techniques,
			Chemistry Techniques,
			Physics Techniques.
4. SCIENCE LABORATORY TECHNOLOGY	6		Digital Literacy
			Communication Skills
			Biology Techniques
			Chemistry Techniques
			Physics Techniques.
5. SCIENCE LABORATORY TECHNOLOGY	5		Work Ethics and Practices
			Entrepreneurial Skills
			Science Laboratory Research
			Biology Techniques
			Chemistry Technique
			Physics Techniques
6. SCIENCE LABORATORY TECHNOLOGY	6		Work Ethics and Practices
			Entrepreneurial Skills
			Science Laboratory Research

			Biology Techniques
			Chemistry Technique
			Physics Techniques
7. APPLIED BIOLOGY	6		Communication Skills
			Laboratory Practice Principles
			Mathematics for Science I
			Cytological and Histological Techniques
8. APPLIED BIOLOGY	6		Anatomy and Physiology Concepts
			Plant Husbandry
			Mathematics for Science II
			Laboratory Animal Husbandry
9. APPLIED BIOLOGY	6		Taxonomical Concepts
			Ecological Techniques
			Museum, Herbarium, Aquarium and Vivarium Techniques
10. ANALYTICAL CHEMISTRY	6		Chemical Samples Preparation
			Chemical Separation
11. ANALYTICAL CHEMISTRY	6		Physics Principles I
			Mathematics for Science I
			Classical Analysis Techniques
			Biochemical Analysis I
12. ANALYTICAL CHEMISTRY	6		Physics Principles II
			Mathematics for Science II
			Biochemical Analysis II
			Instrumental Analysis I

				13. BIOTECHNOLOGY	6	Communication Skills
						Biometrics I
						Cell Biology and Histology
						Manage Industrial Waste
				14. BIOTECHNOLOGY	6	Digital Literacy
						Laboratory Practices Principles
						Media Preparation and Maintenance
						Animal Anatomy and Physiology Principles
						Work Ethics and Practices
						Plant Production
						Research Project
						Molecular Biology
				15. FOOD TECHNOLOGY	6	Communication Skills
						Food Processing Raw Materials Preparation
						Food Plant Hygiene
						Dairy Products Processing
						Work Ethics & Practices
						Food Processing and Preservation Principles I
						Fruits and Vegetables Processing
						Baked Products Processing
						Digital Literacy
						Food Laboratory Practice
						Confectioneries Processing
						Meat Products Processing

	16. FOOD TECHNOLOGY	5	Communication Skills
			Food Processing Raw Materials Preparation
			Food Plant Hygiene
			Dairy Products Processing
			Work Ethics & Practices
			Food Processing and Preservation Principles I
			Fruits and Vegetables Processing
			Baked Products Processing
			Digital Literacy
			Food Laboratory Practice
	17. FOOD TECHNOLOGY	4	Confectioneries Processing
			Meat Products Processing
			Food Processing Raw Materials Preparation
			Food Plant Hygiene and Sanitation
			Processing of Food Products
			Preservation of Food Materials
	18. CHEMICAL ENGINEERING	6	Maintenance of Food
			Materials Quality
			Digital Literacy
			Mechanical Science
			Operate Process Equipment
			Communications Skills
			Engineering Mathematics I
			Perform Process Quality Control

		19. GEOCHEMISTRY TECHNICIAN	6	Communication Skills Geoscientific Laboratory Practice Basic Geology Principles Laboratory and Field Equipment, Tools And Apparatus Geochemical Analysis
8.	MECHANICAL	1. MECHANICAL PLANT TECHNOLOGY	6	Communication Skills Workshop Technology Mechanical Pumps and Compressors Installation Mechanical Pumps and Compressors Maintenance
		2. AUTOMOTIVE ENGINEERING TECHNOLOGY	3,4,5 & 6	Vehicle Petrol Engine Maintenance Vehicle Braking System
		3. MECHANICAL PRODUCTION TECHNOLOGY	4,5 & 6	General Fitting Operations Welding Operations
		4. MECHANICAL PLANT TECHNOLOGY	6	Work Ethics and Practices Technical Drawing Electrical and Electronics Principles Hydraulic and Pneumatic Systems Installation Hydraulic and Pneumatic Systems Maintenance
			4,5 & 6	Vehicle Diesel Engine Maintenance

	5. AUTOMOTIVE ENGINEERING TECHNOLOGY		Vehicle Suspension and Steering System Maintenance
6. MECHANICAL PRODUCTION TECHNOLOGY		5 & 6	Conventional Lathe Machine Operations
			Conventional Milling Machine Operations
7. AGRICULTURAL ENGINEERING		5 & 6	Farm Tractor Operation I
			Farm Machinery and Equipment Operation I
8. WELDING TECHNOLOGY		3,4 & 5	Fabrication Processes I
			Arc Welding Processes I
			Gas Welding, Soldering and Brazing Processes
9. AGRICULTURAL ENGINEERING		5 & 6	Workshop Technology Practices
			Farm Tractor Operation II
			Farm Machinery and Equipment Operation II
10. WELDING TECHNOLOGY		4 & 5	Metal Inert Gas Welding
			Tungsten Inert Gas Welding
11. MECHANICAL PLANT TECHNOLOGY		6	Entrepreneurial Skills
			Mathematics
			Material Handling Systems Maintenance
			Material Handling Systems Installation
12. AUTOMOTIVE ENGINEERING TECHNOLOGY		5 & 6	Communication Skills
			Work Ethics and Practices
			Applied Mathematics
			Technical Drawing
			Vehicle Fuel System Maintenance
			Automotive Electrical Systems Maintenance
		5 & 6	Communication Skills
			Work Ethics and Practices
			Material Science and Metallurgy

		13. MECHANICAL PRODUCTION TECHNOLOGY		Mathematics Mechanical Science Principles A Fabricate Sheet Metal Parts
9.	HOSPITALITY	1. FOOD AND BEVERAGE PRODUCTION COOK	3,4,5,6	Starter and Starter Accompaniment Main Meal Deserts
		2. FOOD AND BEVERAGE PRODUCTION COOK	3,4,5,6	Specialty Pastries
		3. FOOD AND BEVERAGE TECHNICIAN	3,4,5,6	Food and Beverage Service Technique Food and Beverage Operation (Serve) Prepare Mock Tails and Cocktails Digital Literacy Principles of Food Science and Nutrition
		4. FOOD AND BEVERAGE TECHNICIAN	5,6	Food and Beverage Operation (Serve) Mock Tails and Cocktails Food and Beverage Service Techniques Banquet Operation Bar Keeping Operation
		5. FOOD AND BEVERAGE TECHNICIAN	5,6	Banquet Operation Bar Keeping Operation

6. FOOD AND BEVERAGE TECHNICIAN	5,6	Starter and Starter Accompaniment Dessert Main Meal Principle of Science and Nutrition Digital Literacy
7. CATERING AND ACCOMMODATIONS TECHNICIANS	5,6	Perform Laundry Operation Perform Front Office Operation Perform Housekeeping Operation Perform Housekeeping Interior Decoration
8. CATERING AND ACCOMODATION MANAGEMENT	5,6	Perform Housekeeping Operation Perform Housekeeping Interior Decoration
9. CATERING AND ACCOMODATION MANAGEMENT	5,6	Main Meal Desserts and Bakery Product Bar Keeping Operation Starter and Starter Accompaniment Principle of Science and Nutrition Digital Literacy
10. TOUR GUIDE OPERATION	5	Apply Flora and Fauna Digital Literacy Apply First Aid Skills Apply Tourism Fundamentals Camping Operation

		11. TOUR AND TRAVEL OPERATOR	5	Apply Work Ethics Apply Communication Skills Beginner Foreign Language Tourist Arrival and Departures Tour Guiding Operation
		12. TOUR GUIDE OPERATION	6	Digital Literacy Tour and Travel Booking and Reservation Fundamentals of Tourism Communication Skills
		13. TOUR AND TRAVEL OPRATOR	6	Work Ethics French Conduct Tourism Research Flight Booking / Reservation
10.	COMPUTING AND INFORMATICS	1. ICT	4	Computer Operations Computer Essentials
		2. ICT TECHNICIAN	4	Computer Network Setup Computer Repair and Maintenance
		3. ICT TECHNICIAN	5	Computer Network Set Up Network Design and Management Computer Software Computer Programming Principles Develop Front End Web Application

			Develop Front End Web Application
			Computer Programming Principles
			Computer Operations
			Computer Network Setup
			Computer Essentials
			Computer Operations
	4. CYBER SECURITY	5	Computer Repair and Maintenance
			Computer Operations
			Communication Skills
			Work Ethics and Practice
			Database Security
			Computer Networking
			Software Application Security
			Install and Configure Linux
			Entrepreneurship Skills
			Communication Skills
			Computer Operations
			Computer Repair and Maintenance
			Software Application Security
			Computer Operations
			Computer Repair and Maintenance
			Software Application Security
	5. CYBER SECURITY	6	Computer Operations

			Computer Repair and Maintenance
			Database Security
			Software Application Security
			Install and Configure Linux
			Entrepreneurial Skills
			Communication Skills
			Work Ethics and Practices
			Database Security
			Computer Networking
			Communication Skills
			Computer Operations
			Computer Repair and Maintenance
			Communication Skills
6. ICT TECHNICIAN		6	System Analysis and Design
			Discrete Mathematics
			Front End Web Applications
			Computer Programing Principles
			Computer Network Setup
			Network Design and Management
			Computerized Database System
			System Analysis and Design
			Computer Essential
			Computer Operations
			Computerized Database Systems

			Network Design and Management
			Computer Network Set Up
			Computer Essential
			Computer Operations
			Computer Network Set Up
			Basic Electronics
			Computer Software
			Work Ethics and Practices
			Network Design and Management
			Computer Repair and Maintenance
			Computer Network Set Up
			Computer Essential
			Computer Operations
7. COMPUTER SCIENCE		6	Artificial Intelligence
			Information Systems
			Network and Distributed Systems
			Database Management Skills
			Fundamentals of Programming
			Information Systems
			Fundamentals of Programming
			Database Management Skills
			Information Systems
			Basic Electronics
			Database Management Skills

				Graphic Design
				Fundamentals of Programming
				Information Systems
				Computer Organization and Architecture
				Computer Operations
				Operating Systems
				Mathematics
11.	AGRICULTURE	1. GENERAL AGRICULTURE	4,5 & 6	Farm Machinery Annual Crops Horticultural Crops Water Utilization Ruminant Animal Production Non-Ruminant Animal Production
		2. GENERAL AGRICULTURE	5 & 6	Digital Literacy Communication Skills Perennial Crops Fish Farming Bee Production
		3. GENERAL AGRICULTURE	6	Soil Science Principles Inorganic and Organic Chemistry Principles Animal Anatomy and Physiology
		4. HORTICULTURE PRODUCTION	5	Farm Irrigation and Drainage System Operation Farm Machinery Operation

			Tropical Fruit Production
			Cut Flowers Production
	5. ENVIRONMENTAL SCIENCE	6	Monitor Environmental Pollution
			Perform Environmental Waste Management
			Digital Literacy
			Apply Inorganic and Organic Chemistry
	6. ENVIRONMENTAL SCIENCE		Apply Communication Skills
		6	Perform Environmental Health and Safety Practices
			Apply Natural Resource Economics
			Perform Environmental Ecology Maintenance
			Monitor Climate Change