

別添-28 ジンジャ I D A 職業訓練校の1994年訓練コース計画 (実施予定時期順)

TRAINING PROGRAMME 1994

PROGRAM CATEGORY	DURATION	REF	COURSE TITLE	COURSE CONTENTS	INTENDED FOR	
Basic Engineering Course (3yrs) First Year	April - Dec 1994	94/1	Carpentry/Joinery	Elementary basics of the course	10 th Level School Leavers with Credits in Science subjects; technical subjects.	
		94/2	Electrical/Installation	Care of tools and machinery		
		94/3	Motor Vehicle Repairing	Safety precautions		
		94/4	Welding/Fabrication	Related subjects and workshop practice		
		94/5	Metal Machining/Fitting			
		94/6	Plumbing/Pipe Fitting			
		94/7	Brick/Block Laying			
	Up-Grading Courses	5 April - 29 April	94/8	Furniture Construction	<ul style="list-style-type: none"> - Workshop safety & precaution measures - Planning and materials estimates - Preparation of jigs & templates - Constructional techniques in making wooden chairs, beds, tables, cupboards - Related subjects and drawing 	Those who need to upgrade in furniture making
			94/9	Industrial Electricity	<ul style="list-style-type: none"> - Workshop safety & precautions - IEE Regulations/Factory Act - AC and DC Motors - Electrical machines controls and connection - Starting, reversing and power circuits. 	For those engaged with installing industrial machines
			94/10	Advanced Lathe Work operations	<ul style="list-style-type: none"> - Workshop safety and precaution measures - Bench work and fitting - Lathe work operations & settings to include: 	Those who wish to improve on lathe operation.

Up-Grading	April 5th - April 29th	94/10	Advanced Lathe Work Operations	<ul style="list-style-type: none"> - Tapper turning, eccentric turning, threading, boring mandrel, face plate, machining ferrous and non-ferrous metals, speed controls and feeds - Related subjects and drawing 	Those who wish to improve on lathe operations
		94/11	Engine Overhaul and Servicing	<ul style="list-style-type: none"> - Workshop safety & precaution measures - Engine overhaul and repair - Engine tuning (petrol) - Diesel fuel system servicing - Cooling & lubrication system servicing - Related subjects and drawing 	Intended for those working on engine overhauls
		/12	Plumbing/Pipe Fitting	<ul style="list-style-type: none"> - Workshop safety & precaution measures - Maintenance of cold water system - Laying & maintenance of service pipes - Sheet metal work - Pipe bending and threading - Simple welding techniques gas/arc - Drainage maintenance - Related subjects and drawing 	For those with 1-2 years industrial experience
		94/13	Welding/Fabrication	<ul style="list-style-type: none"> - Workshop safety & welding hazards - Setting up machine - Downhand welding, welding joints, butt, tee, lap, and fillet - Building up worn surfaces - Cast iron welding - Development - Fabrication of articles - Related theory and drawing 	For those who wish to up-lift their standard in Arc welding

Up-Grading Courses	May 3 - 27 May	94/14	Brick-Block Laying	(Not yet ready)	For those with three years industrial experience
		94/15	Cabinet & Cupboard Construction	<ul style="list-style-type: none"> - Workshop safety - Preparation of working rods - Timber dress - Making cabinets, cupboards, chest of drawers - Sand jointing and varnishing - Related subjects and drawing 	For those with three years industrial experience
		94/16	Electrical Installation House wiring	<ul style="list-style-type: none"> - Safety precautions in workshop - IEE Regulations - Electrical power measuring instruments - Cable sizes & their applications - Surface wiring of lighting circuits - Switches, single pole, 2-ways - Socket outlets - Conduit work - Related theory & practice 	For those with three years industrial experience
		94/17	Metal Machining, Milling and Sharpening	<ul style="list-style-type: none"> - Setting & operation of tool grinder - Setting up milling machine - Dividing head setting for spur gears - Sharpening work and setting up - Related theory and drawing 	For Machinists engaged on milling and sharpening
		94/18	Motor Vehicle Transmission Maintenance	<ul style="list-style-type: none"> - Clutch operation & servicing - Mechanical & Hydraulic actuators - Gear boxes, sliding & sycromesh boxes - Universal joints & propeller shafts - Rear axle and final drives - Fault finding, adjustments and replacement of parts - Related subjects and drawing 	For those mechanics with two years industrial experience

Up-Grading Courses	May 3 - 27 May	94/19	Plumbing/Pipe Fitting	<ul style="list-style-type: none"> - Workshop safety - Threading & pipe bending - Installing cold water system in house - Installing basins - Installing hot water system - Construction of drainages - Related subjects and drawing 	Those who wish to up-lift their skills in gas welding
		94/20	Gas welding	<ul style="list-style-type: none"> - Workshop safety and precautions - Introduction to operation & setting up of gas equipment - Gas welding operations in all positions - Brazing, broze welding - Silver brazing & soft soldering - Development and sheet metal work - Related subject and drawing 	Those who wish to up-lift their skills in gas welding
Up-Grading Courses	May 9 - 2 June	94/21 94/22 94/23 94/24 94/25 94/26	Carpentry Trade Electrical Trade Metal Machining Trade Motor Vehicle Trade Plumbing Trade Welding/Fabrication Trade	<ul style="list-style-type: none"> - Principles of general management - Workshop Management & Organisation - Purchase Management - Store Management - Finance Management & monitoring - Legal Obligations - Advanced Trade knowledge & workshop practice (Project work) - Training of staff - Other related subjects 	Intended for those wishing to upgrade their skills and knowledge before attempting Craft Certificate
		94/27 94/28 94/29 94/30 94/31 94/32 94/33	General Carpentry Industrial Electricity Metal Machining & Fitting General Mechanics General Plumbing Welding/Arc & Gas Carpentry/Joinery	<ul style="list-style-type: none"> - Improving general skills of the trade - Revision of trade theory & related subjects - Related subjects and drawing 	Intended for those wishing to upgrade their skills and knowledge before attempting Craftsmar Certificate

Evening Classes	April 5 - 24 July	94/34	Electrical Installation	Electrical installation	For those unable to attend full time Courses
Basic and Advanced	15 August - 5 November	94/35 94/36 94/37 94/38	Metal Machining/ Fitting Motor Vehicle Repairing Welding/Fabrication Plumbing/Pipe fitting	General trade theory, related subjects and drawing	
Trade Tests Craftsman Certificate	6 June - 1st July 1 Nov - 30 Nov	94/39 94/40 94/41 94/42 94/43 94/44 94/45 94/46	Carpentry Trade Electrical Trade Metal Machining Trade Motor Vehicle Mechanics General Fitters Auto-Electrician Welding Fabrication Plumbing Trade	Trade Testing Competent Candidates for Craftsman Certificate	For those who have acquired four years industrial experience in the trade and would like to test their skills
Trade Tests Master Craftsman Certificate	6 June - 1 July	94/47 94/48 94/49 94/50 94/51 94/52	Carpentry Trade Electrical Trade Metal Machinist Trade Motor Vehicle Trade Welding/Fabrication Plumbing Trade	Trade Testing Competent Candidates for Master Craftsman Certificate	For those who have Gained five years experience after obtaining Craftsman Certificate in the Trade

Up-Grading	1 Aug - 26 Aug	94/53	Construction Carpentry	<ul style="list-style-type: none"> - Workshop safety and layout - Construction of general joints - Carpentry construction - Roofs construction - Site construction 	For those dealing with construction carpentry
		94/54	Motor Rewinding	<ul style="list-style-type: none"> - Data processing - Removal of old windings - Types of wire gauge and power - Designing formers for winding - Making coils & fitting in housing - Insulating coils, servicing bearings & assembling. Related Subjects and drawings 	Those engaged in motor rewinding and would like to improve on their skills
		94/55	Fitter General	<ul style="list-style-type: none"> - Safety precaution & measures - Bench work and fitting tools - Advanced filing and shaping - Drilling operations & types of drills - Reaming, counter sinking - Tolerances and clearances - Measuring tools - Related subjects and drawing 	For those involved in general fitting work
		94/56	Steering Suspension, tyres and brakes	<ul style="list-style-type: none"> - Safety precautions and measures - Types of tyres and maintenance - Steering maintenance - Types of suspensions and maintenance - Types of brakes and maintenance 	For those who need to upgrade in pipe welding
		94/57	Heavy gauge Arc/Gas welding	<ul style="list-style-type: none"> - Safety precautions & welding hazards - Edge preparation & joint design - Welding in horizontal, vertical & overhead positions - Pipe welding in all positions - Brazing & hard surfacing - Related subjects and drawing 	For those needing up lifting in welding skills

Up-Grading Courses	1 Aug - 26 Aug	94/58	Plumbing/Pipe Fitting	<ul style="list-style-type: none"> - Safety precautions - Use of fitting tools - Welding hazards & distortion control - Types of pipes and materials - Joint design & preparation - Pipe welding technique - Sheet metal work 	For those who need to upgrade in Pipe welding
Up-Grading Courses	5 Sept - 30 sept 11 Oct - 4 Nov	94/59	Carpentry/Joinery	<ul style="list-style-type: none"> - General carpentry/Joinery - Furniture construction - Door and window construction - Cabinet construction 	Those with three years industrial experience
		94/60	Electrical Domestic Appliances Servicing	<ul style="list-style-type: none"> - Servicing cookers - Flat irons - boiling kettles - fans, hoovers, fridges - rewinding of small motors - related subjects and drawing 	Those with two years industrial experience
		94/61	General Lathe operations	<ul style="list-style-type: none"> - Safety precautions - Lathe operations to include cylindrical turning, threading taper turning, knurling, boring - use of hand & measuring tools - bench work - related subjects and drawing 	Those with two years industrial experience
		94/62	Vehicle Preventive Maintenance	<ul style="list-style-type: none"> - Safety Regulations - Battery maintenance - Engine servicing/lubricating - Chassis lubrication - Driving behaviours - Tyre maintenance - Lights - Body care and related subjects 	Drivers and Mechanics

Instructor Training	7 March - 15 April	94/63	Training Methodology (Basic)	<ul style="list-style-type: none"> - Setting training objectives - Lesson plan/preparation 	Newly recruited Assistant/Instructor
	3 Oct - 11 Nov	94/64	Training Methodology (Improved)	<ul style="list-style-type: none"> - Evaluation of training activities - Visual aid preparation - Teaching skills - Adult learners - Training psychology - Designing training programme 	for VTCS updating skills of inservice Instructors
Industrial Visits	4 July - 29 July	94/65	Industrial Visits	<ul style="list-style-type: none"> - Follow up ex-trainees - Identifying training needs - Identifying companies for In-plant training/Apprenticeship 	Instructors/ Administrators

BRIEF REPORT ON Y.M.C.A. VOCATIONAL TRAINING CENTRE - JINJA AS FROM 1974

INTRODUCTION

Y.M.C.A. was founded in Uganda during the year 1959 by a group of dedicated Ugandans.

During the year 1968, the (U) YMCA made a request to the Germany Central Agency - Evangelische Zentralstelle Fur Entwicklungshilfe E.V. (EZE) of 7000, Stuttgart W. Germany for financial aid in construction of a Vocational Training Centre in Uganda.

The Centre is situated on Plot 16/24 Nalufenya Road in Jinja. The construction of this Centre began in March, 1972 and it became operational on 2nd September, 1974 - to cater for school drop outs.

Presently the Centre is run by the Ministry of Labour & Social Affairs and it is charged of administering and organizing Industrial and Vocational Training Programmes.

The Centre is responsible for training of skilled personnel to man the middle grade of Technical and Supervisory positions in the country's manufacturing and service industries. It also caters for testing of potential candidates in both knowledge and skills for the award of National Trade Certificates.

Its aims and objectives are to develop, operate and promote an effective and efficient system of industrial training on a national, local basis for continued and sustained skilled manpower development of Uganda. Special programmes could be run on request by the employers.

Unfortunately all the Training Programmes at this Centre have been temporarily transferred to Vocational Training Institute (IDA) Jinja, which is a sister Centre since 1990. The Centre buildings are in a poor state they could not accommodate the trainees while leaking.

For your information the Centre's building consists of two storey buildings, one wing of the building contains workshops, and classrooms, the other two on the ground floor comprises of the kitchen, dining hall, offices and electrical workshop. On the first and second floors there are dormitories for students. The flat roof has lost the roofing felt which would seal cracks in the concrete and water penetrates through the cracks and the entire building ~~is~~ badly leaks when it rains. Generally the building is in a bad shape and needs renovation.

The Centre opened for training of Craftsmen in 1974 with the following Trades:-

- (1) Welding & Fabrication Trade
- (2) Motor Vehicle Mechanics Trade
- (3) Carpentry & Joinery Trade
- (4) Electrical Installation Trade
- (5) Plumbing & Pipe Fitting Trade

The courses are intended for boys and girls who have good passes of the ordinary level - Uganda National Examination Board. Present capacity of each section is 24 trainees, totalling to 120 trainees.

ADMISSION TO THE CENTRE

The Centre makes advertisement in the newspapers, announces over the Radio Uganda and Uganda Television and other medias for the applicants to submit their applications.

The entrants to the above programme must be over 16 years of age, with a school certificate "O" Level - preferably with good passes in Maths, English, Physical Science and Technical subjects/Drawing or above - eg. "A" Level

FINAL EXAMINATION

At the end of the programme of the two years - trainees must sit for Craftsman Trade Test Certificate.

These trainees when they complete are straight away taken for employment by our factories in the country and about 90% are employed by various organisations only 10% in self employment.

The self employment of 10% is small due to (1) Lack of Capital and (2) Tools and equipment to be used.

CURRENT PROBLEMS AT THE CENTRE

(1) STAFF - UNDERSTAFFING

Lack of Instructing Staff

(2) ACCOMMODATION

Lack of Accommodation for all Staff.

(3) STAFF TRAINING

Most of the Instructing Staff need re-Training - either from abroad or within the country.

(4) WORKSHOP TOOLS, EQUIPMENT & REFERENCE BOOKS

Tools and equipment are a major problem at this Centre in all sections.

Efforts have been made to secure funds for the same but have yielded no fruits at all.

1/03/94

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