Kenya Christian Industrial Training Institute

Industrial Training Institute Kenya Christian

This document is to confirm that

Stephen Kyalo Mutie

Has successfully completed all the prerequisite course work and has satisfied the examiners in Information Technology and is awarded this diploma in

Computer Systems Support

BOG

19th August, 2006

Principal

Deputy Director

KENYA CHRISTIAN INDUSTRIAL TRAINING INSTITUTE

EASTLEIGH SECTION II, 5TH STREET, P. O. BOX 71083-00622, NAIROBI

TEL: 6766805   6763571   6763122   0733-637766

COMPUTER SYSTEM SUPPORT ACADEMIC TRANSCRIPT

STUDENT'S NAME: **STEPHEN KYALO MUTIE**   I/D No: **05JE057**

COURSE: Diploma in Computer Systems Support   ACADEMIC YEARS: **FROM**: Jan-05 **TO**: Aug-06

TERM	SUBJECTS/CLASS	ATTAINED IN EXAMINATIONS		
		Marks	Grade	Duration
1	**BASIC ELECTRONICS** Safety precautions, Electromotive force and potential difference. Resistance of a conductor, Magnetism and electricity, Resistors, Capacitor, Inductors, Filters, Resonance, Alternating current transformers, Semiconductors, Diodes, Bipolar transistors.	95%	A	16 weeks 160 hours
2	**ADVANCED ELECTRONICS** Other transistors, Amplifiers, Operational Amplifiers. Integrated circuits, Oscillators. CRO and CRT, silicon controlled Rectifiers (SCR) Advanced power supplies. Numbering systems, Logic gates.	90%	A	16 weeks 160 hours
3	**MICROCOMPUTERS** Introduction to Microcomputers and Data Communication Professional Typing Skills (Pass: 25 WPM, 80% Accuracy), MSS-DOS, Intro to Computers and Data Communications.	Avg.: 91% Intro: 78%	A	16 weeks 160 hours
	Introduction to Data Processing, Spreadsheets and Database			
	Microsoft Word: Intro to Word Processing, Formatting, Editing, Mail Merge, Sorting, Macros, Footers and Headers, Printing and Saving	90%		
	Microsoft Excel: Intro, Spreadsheets, Values, Labels, Cell Addresses, Functions (Logical and Mathematical), Ranges, Graphs, and Macros.	98%		
	Microsoft Access: Intro, Creating databases, Search, Index, Sort, Forms and Labels, File Handling, Reports and Queries.	98%		
	Microsoft PowerPoint: Introduction to Ms. PowerPoint. Viewing and working on a slide, Inserting, Deleting, Rearranging and Copying slides, Entering and formatting text.	N/A		
4	**Communication** Theory of communication, Principles of Communication, Syntax and semantics, Summary, Business correspondence, Meetings, Reports, Oral and Visual communication.	93%	A	
5	**DIGITAL ELECTRONICS** Numbering systems, Binary Addition and Subtraction using 1s and 2s Complements, adders, ICs Specifications, Mos, Technology, Cmos Circuits, Three state logic circuits, Multivibrators, Flip-flops, Logic Gates, Basic statements of logic gates, Buffers, Boolean Algebra, Clock and Trigger Circuits, Binary counters, Registers, A.L.U. architecture, Encoders, Decoders, Comparators, Analog to Digital Converters, Digital to analog converters, multiplexers, Demultiplexers, Error detectors, Parity Generators and their appellations, RAMs, ROMs, Memory Cell Struzures, Increasing memory word length and size, Opto-electronics and Digital systems troubleshooting tools & techniques	83%	B	16 weeks 160 hours
6	**SYSTEM MAINTENANCE** *PC System Unit Assembly*; Motherboard, CPU, RAM, ROM, IDE, Floppy, ISA & PCI busses, Adapter cards, Keyboard, Mouse, Connectors, attaching the Monitor. *Advanced Devices*: UPS, modems, printers, scanners and multimedia. Partitioning and formatting. *Installation & Configuration of Operating System* – Windows 98, Windows NT and Unix. An overview of Windows NT and Unix Operating systems Setting of the IO addresses, IRQ's, DMA's of cards and installing device drivers and Configuration files. Installing/Removing packages and ISP hookup. *Basic Troubleshooting*: Diagnosing software and hardware related problems. *Basic Maintenance*: Physical maintenance and software maintenance.	90%	A	16 weeks 160 hours
7	**ENGINEERING MATHS 1** Number systems, Indices, Algebra, Geometry, and Graphs.	92%	A	16 weeks 160 hours
8	**ENGINEERING MATHS 1I** Logarithms, Statistics, Calculus and Trigonometry.	95%	A	16 weeks 160 hours

Key: A=90-100%   B=80-89%   C=70-79%   D=60-69%   F=below 60%   N/A = Not Applicable

KCITI

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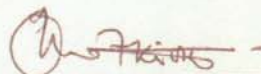
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9	**ADVANCED DIGITAL SYSTEMS AND DESIGN** Top down design, programmable logic devices, Multivibrators, clock and trigger circuits, mos logic family, Synchronous Counters, Introduction to Micro Computers and Project.	82%	B	16 weeks 160 hours
10	**COMPUTER ARCHITECTURE** Microprocessor Survey and Fundamentals. Microprocessor Families: INTEL 8088, 80286, 80386, 80486, Pentium, Microprocessor architecture, C.P.U Modules, Addressing modes, Microcomputer architecture, Clock Memories, I/O Ports, Communication Buses, Serial input/output techniques, Secondary storage techniques, DMAs, Interrupts, Compute languages, system software, hardware troubleshooting: tools, techniques and repair, Video systems, display problems, computer power supplies, keyboard, mouse, printers, DOS revisited and Technical aspects of DOS.	80%	B	16 weeks 160 hours
	BIBLE STUDIES PROGRAM			
11	Foundations of Faith	97%	A	16 weeks
12	New Testament Survey	97%	A	16 weeks
13	Old Testament Survey	N/A	N/A	16 weeks
14	Prison Epistles	87%	B	16 weeks
15	Book of Corinthians	N/A	N/A	16 weeks
16	Principles of Management	99%	A	16 weeks
17	Quantitative Methods	85%	B	16 weeks
18	Entreprenuership Education	80%	B	

Key: A=90-100%   B=80-89%   C=70-79%   D=60-69%   F=below 60%   N/A = Not Applicable

Mr. Onesmus Kioko, Acting Dean

19th August 2006
DATE

P.O. BOX 71083
NAIROBI-KENYA

Mr. Berkeley Hackett, Director – KCITI