

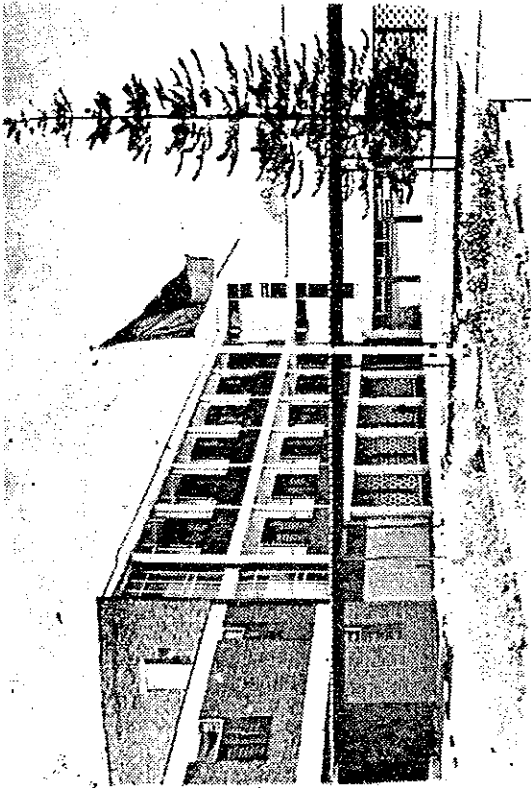
4 NORTEC PROSPECTUS



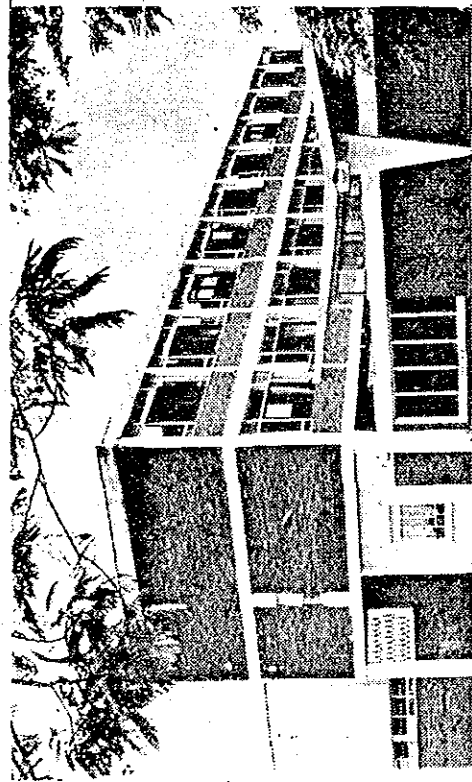
PROSPECTUS



Minor Alterations to 1985 Prospectus



Front view of classroom and administration block



Rear view of classroom and administration block - Library is on right [foreground]

COLLEGE ADMINISTRATION

Principal [Acting]:
H. A. Mweni

Executive Officer [Admin.]:
S. Chanda

Vice-Principal:
I. G. R. Craven, HNC

Executive Officer [Records]:
F. M. Chabinga

Senior Registrar [Acting]:
W. S. Ngungu

Executive Officer [Examinations]:
S. A. Majama

Registrar [Acting]
J. B. Ponde

Clerk of Works
M. L. Mzumira

Student Affairs Officer:

Senior Bursar:
L. Z. Mkamanga

Nursing Sister:
C. B. Zengeni

Librarian:
M. C. Banda

Catering Officer:
S. M. Chanda

Sports Officer:
F. Besa

Chief Technician:
H. Lemisa

LIBRARY

The Library in the College is the information centre aimed at playing a complementary role to teaching as well as administrative operations in the college. The Library enhances the fulfilment of the college's aims and purposes by co-ordinating its policies and academic interests through the provision of necessary study and reference material. Being an academic Library, its facilities are limited to members of the college community, i.e. administrative and teaching staff as well as full- and part-time members of the student body. The Library collection is mainly based on requirements of study programmes offered by the college. But for the sake of general knowledge, the Library collection also represents a lot of other fields of knowledge though not reflected in study programmes of the

The main Prospectus is the same as issued last year. What has been done is to make amendments where necessary. The amendments are in form of a reprint. The reprint is pinned inside before the main booklet. Its contents should therefore be read as replacements for the relevant sections shown in the main booklet. Due to financial constraints only section where there are changes have been reprinted instead of the whole booklet.

Any inconvenience caused by this arrangement is greatly regretted. It is hoped that should the financial position improve next year's Prospectus will be completely revised and reprinted.

college. This year the collection stands at over 15,500 volumes and 50 journal and newspaper subscriptions. The average annual collection growth rate is around 500-600 volumes.

The Audio-Visual Section is run separately by the Communication Skills Section of the college.

Library business hours are as follows:

Monday to Friday: 0800 hours to 1300 hours
Monday to Thursday: 1400 hours to 1800 hours

FEES

Sponsored Zambian Students:

Craft Level — Boarding Fees = K1,500.00
Tuition Fees = K1,350.00

Technology/Technician Levels — Boarding Fees = K1,500.00
Tuition Fees = K2,000.00

Sponsored non-Zambian Students

Craft Level — Boarding Fees = K1,500.00
Tuition Fees = K2,360.00

Technician/Technology Levels — Boarding Fees = K1,500.00
Tuition Fees = K3,000.00

COLLEGE CALENDAR 1986

TERM I Opens Monday 20th January
Closes Friday 25th April
TERM II Opens Monday 19th May
Closes Friday 22nd August
TERM III Opens Monday 15th September
Closes Friday 19th December

PUBLIC HOLIDAYS 1986

Wednesday 1st January New Year's Day
Saturday 15th March Youth Day
Friday 28th March Good Friday
Saturday 29th April Holy Saturday
Thursday 1st May Labour Day
Monday 26th May Africa Freedom Day
Monday 7th July Heroes Day
Tuesday 8th July Unity Day
Monday 4th August Farmers' Day
Friday 24th October Independence Day
Thursday 25th December Christmas Day

AUTOMOTIVE ENGINEERING DEPARTMENT

Head of Department:

A. J. Lockwood, T.Eng. (CED) F.T.C., A.M.I.M.I.

Head of Section [Automotive]:

Vacant

Head of Section [Heavy Duty]:

L. H. M. Clark, T.Eng. (CED), F.I.M.I., M.I.R.T.E., M.S.A.E.,
C&G, F.T.G., Cert. Ed.

Senior Lecturer

S. B. Chimai, Adv. Tech. Cert., Dip. in T/Ed., H.N.D. (Auto Eng)
A.M.I.R.T.E.

Senior Lecturer

E. M. Silwamba, C&G FTC, A.M.I.M.I., A.M.I.R.T.E., G.I.R.T.S.
Dip., N.A.I.T. Cert., Teaching Diploma.

Lecturers

E. S. Banda, DTEVT Auto-Advanced Cert., C&G, AFF, S.A.E.,
I.M.I., Tech. Teaching Dip.

J. Chiti, DTEVT Cert., Adv. Tech. Cert., C&G, AFF, S.A.E., Teaching Dip., M.I.M.I.

S. Mubita, Adv. Tech. Cert., C&G, Part I & III, AFF, S.A.E., AFF.M.I.M.I., Teaching Dip.

J. K. Munyama, Teaching Dip., Adv. Technician Cert., C&G F.T.C., AFF. S.A.E., F.T.C.

G. Mutale, Adv. Tech. Auto. Cert., C&G, Part I, AFF. SAE. AFF. I.M.I.

P. S. Palawela, Dip. in Mech. Eng., Tech. Teacher Training. C&G, Tech.

F. Finch, DTEVT Adv. Tech. Cert. (H.V.R.) Teaching Dip.

MECHANICAL ENGINEERING DEPARTMENT

Head of Department:

K. A. Woods, HNC (Mech), T.Eng., MIG. Tech. E.

Head of Section:

Vacant

Head of Section [Fabrication]:

K. Forster, C&G, Tech. Weld. Inst.

Senior Lecturer [Mechanical]:

D. J. Ngungu, HND (Mech. Prod.), Dip. (Mech. Tech.), Dip. (Tech. Teach), Cert. Inst. Meter.

Senior Lecturer [Fabrication]:

Vacant

Lecturers [Mechanical]

C. Mukosha, Dip. Tech. Ed., Adv. Mech. Eng. Cert., Dip. Mech. Eng., A.M.I.E & T., M.I.T. & D., NAIT Certs.

A. K. B. Mbewe, C&G, Mech. Tech., Teach. Dip. Tech., Mech. Eng. Cert.

A. O. Banda, HND (Mech. Prod. UK), DIP. Mech. Tech. Dip. (Tech. Teach)

E. D. Musafili, HND (Mech. Prod.), Mech. Tech. Dip., Adv. Metal Fab. Cert., C.N.C. Machinery (Scotland)

D. C. Chomba, Dip. Mech. Technology, Tech. Dip.

D. R. Kumwembe, Dip. Mech. Technology. Tech. Dip.

U. Honemounder, German Volunteer

T. S. Mulenga, Teach. Dip., Mech. Fitter

S. B. Palencia, B.Sc., M.A.

Lecturers [Fabrication]

O. K. Chungu, NAIT.Cert. (C&G Tech. Cert.), Teaching Dip.

T. C. Kampamba, Advanced Tech. Cert. (DTEVT) and Technical Teachers Dip. (DTEVT).

B. A. L. Mutambo, Adv. Tech. Fab. Cert. (DTEVT), Tech. Teachers' Dip. (DTEVT) Civil Eng. Dip. (London)

F. Mwanza, Adv. Tech. Cert. (DTEVT), Teaching Dip.

G. M. Mwansa, C&G, Mech. Tech. Adv. (Prod), TI Mech. TE, Eng. Tech., C&G Tech. Cert., Adv. Supervision (Zimco Institute of Management)

ELECTRICAL ENGINEERING DEPARTMENT

Acting Head of Department:

Z. I. Qureshi, B.Sc. DUS (Surrey) M.Phil. (C.N.A.A.), C.Eng.,
M.I.E.E. (London)

Acting Head of Section:

R. K. Chanda, Dip. Elect. Eng. Technology CIDA Cert., Tech. Cert.,
Dip. Ed.

Senior Lecturers [Refrigeration and Air-Conditioning]:

Vacant

Senior Lecturers [Electrical]

M. M. Kasalwe, Dip. Elect. Technology, Dip. Tech. Teacher.

P. M. Mwangata, Adv. Tech. Cert., Tech. Dip.

Lecturers [Electrical]:

M. Situmbeko, Tech. Dip., Teaching Dip.

R. Mubanga, University Aircraft Tech. (Elect.), ZAF Dip. Elect.,
Teaching Dip. (TVTC), Adv. Tech. Teachers' Cert. (France)

M. Witika, B.Sc., Cert. Man., Dip. Elect. Eng., Tech. Eng. (Dublin).

A. Lungu, N.D., C&G, Tech. Cert., Dip. Tech.

Suzuki Yoshiaki, Japanese Volunteer.

D. Chongo, Lecturer (Refrigeration), East African Cert., Zambian
Craft.

COMMUNICATION SKILLS AND POLITICAL EDUCATION

Lecturers:

L. P. Muloshi, B.A. (Ed.), M.Sc (TESP).

W. Chokani, B.A., B.Ed., M.A.

G. M. M. Mwape, Dip. Ed., Dip. Political Science.

EXTENSION STUDIES DEPARTMENT

Senior Lecturer: C. C. Kasongo, MIID, MIVE.

Extension studies are designed to suit and benefit local community, especially the industrial sector who wish to upgrade their employees. Of late running all programmes has been very costly. Finding suitable lecturers has been another problem. In both cases we need support from the industries in order to survive.

Because of the above reasons, some courses may not be run this year.

COURSES TO RUN IN JANUARY 1986

1. Shorthand Theories and Speeds
2. Certificate in Accounts and Business Studies

COURSES TO RUN IN JULY 1986

1. Certificate in Accounts and Business Studies
2. Diploma in Accountancy Phase I and II
3. ASPS 1st Certificate
4. AAT Elementary
5. Dress-making

COURSES WHICH MAY NOT RUN

1. General Certificate of Education 'O' Level
2. General Certificate of Education 'A' Level
3. IPS Foundation
4. ASPS 2nd Certificate
5. AAT Intermediate
6. Shorthand Day Release
7. Diploma in Accountancy Phase 3

Situation will determine as we get nearer to May, June if the above courses can be mounted or not. The best is hoped.

<i>Course No.</i>	<i>Course Description</i>	<i>Duration (Years)</i>	<i>Entry Qualifications</i>	<i>Fees Per Subject</i>
ECO/C8	Mechanical Technician	3	Craft Certificate of DTEVT or Mine Craft Certificate	K500
ECO/C6	Electrical Technician	3	Craft Certificate of DTEVT or Mine Craft Certificate	K500
BS/C/9	Certificate in Accounts and Business Studies	2	Form III Certificate or better	K30
IPS/C/80	First Certificate in Purchasing and Stores	1	4 GCE 'O' Levels or Employer's recommendation	K40
IPS/AC/11	Second Certificate in Purchasing and Stores	1	First Certificate in Stores Supervision	K40
IPS/PE/12	IPS (Professional Examinations)	3	5 GCE 'O' Levels, including English and quantitative subject of which at least two must be at advanced level	K40
SH/T/13a	Shorthand Theory Stage 1 (Pitman's)	1	Form III with Credit in English or better	K60
SH/T/13b	Shorthand Theory Stage 2 (Pitman's)	2	Pitman's Shorthand	K60
SH/S/14a	Shorthand Speeds 50-100 wpm	1	Pitman's 50 wpm Certificate or better	K60

<i>Course No.</i>	<i>Course Description</i>	<i>Duration (Years)</i>	<i>Entry Qualifications</i>	<i>Fees Per Subject</i>
SH/S/14b	Shorthand Day Release	1	GCE-English Typing Certificate	K60
SH/S/14c	Shorthand Speeds 100-120 wpm	1	Pitman's 100 wpm Certificate or better	K60
GCE/A/15	General Certificate of Education Advanced Level	1½	GCE 'O' Level Pass in Mathematics and Physics	K30
AAT/16	Association of Accounting	2	4 GCE 'O' Levels	K40
CM/17	Certificate in Marketing	2	5 GCE 'O' Levels	K30
DMP/18	Diploma in Managerial Principles	2	5 GCE 'O' Levels	K30
DM/P/21	Dress Pattern Making	½	Form III or better	K60
GCE/O/20	General Education Ordinary Level (Mathematics, Physics, Chemistry and English)	1½	Form III Certificate	K40

IMPORTANT REGULATIONS

- (a) Students' Chela Road Campus Phone Number is out of order.
- (b) Students' Kwacha Road Hostel Phone Number is 864444.
- (c) Full Students' rules and regulations given to each student on enrolment.

DTEVT APPLICATION TO TAKE EXAMINATION IN: CRAFT COURSES, FITTING, FABRICATION, ELECTRICAL, AND REFRIGERATION

March Examination - Closing date for entries 31/1/86
June Examinations - Closing date for entries 30/6/86
September Examinations - Closing date for entries 31/7/86
December Examinations - Closing date for entries 15/10/86

EXAMINATION DATES 1986

City and Guilds

May/June Examinations - Closing date for entries 31/12/85
December Examinations - Closing date for entries 31/8/86

Royal Society of Arts

June Examinations - Closing date for entries 28/2/85

Pirman's Institute

June Examinations - Closing date for entries 30/4/86
December Examinations - Closing date for entries 31/10/86

Certificate in Accounts and Business Studies

June Examinations - Closing date for entries 31/3/86
December Examinations - Closing date for entries 30/9/86

Associated Examining Board [GCE 'O' & 'A' Levels]

June Examinations - Closing date for entries 31/1/86
November Examinations - Closing date for entries 31/8/86

NOTE: Candidates are advised to make their own arrangements in obtaining Bank Drafts, as all remittances should be made payable to A.E.B. Wellington House, Aldershot, Hampshire GULL 1BQ, United Kingdom. No cheques or Bank Drafts should be made payable to this college for the above examination.

NOTE: Candidates who are not in full-time attendance at a DTEVT Institute or College or who are in full-time attendance at a non-Departmental Institute are liable for Examination Fees of K2.00 per subject. Candidates who are in full-time attendance at an Institute but failed at the final examinations are liable for Examination Fees of K2.00 per subject when resit application has been accepted.

Institute of Purchasing and Supply

May Examinations - Closing date for entries 31/3/86
November Examinations - Closing date for entries 17/9/86

NOTE: Remittances should be made payable to the Assistant Secretary, at IPS Easton House, Easton on the Hill, Stamford, Lincolnshire PE9 3NZ, United Kingdom.

EXAMINATION DATES 1986

The London Chamber of Commerce and Industry

April/May Examinations - Closing date for entries 31/1/86
Group Diploma offered. All subjects are offered during this series.

November/December Examinations - Closing date for entries 31/7/86, Group Diploma available.

Zambia Diploma in Accountancy

Application to take the Part 1, Part 2 and Part 3 Examinations should be sent to: The Director, DTEVT (Accountancy Programmes), Private Bag RW16, Ridgeway, Lusaka, not later than the published closing date for applications.

Staff on Study Leave

- S. A. Mupanga, Lecturer — Mechanical (UK)
- S. C. Syulikwa, Lecturer — Mechanical (UK)
- H. E. M. Sampungwe, Lecturer (FAB.) — (Ireland)
- D. M. Luchembe, Lecturer (FAB.) — (GDR)
- T. K. Waluzimba, Lecturer — Mechanical (UK)

GENERAL INFORMATION

Zambia is a developing country which urgently requires indigenous skilled manpower for its industries. There must be a constant flow of Technologists, Technicians and Craftsmen to keep pace with the advance in Industrial Development. The Department of Technical Education and Vocational Training (DTEVT) offers full-time pre-employment Technical Training Programmes at several Institutions throughout the country. The Northern Technical College, being one of the important DTEVT Institutions, has made substantial contributions to the indigenous expertise in Zambia at all levels of Technical Training. The courses offered at Northern Technical College vary in scope and are offered competitively to successful applicants with pre-requisite minimum qualifications for the respective courses. The latter are, therefore, offered to successful applicants of Junior Secondary School Leaving Certificate level, and Cambridge School Certificate Ordinary level. Courses are also offered to successful applicants already in industry wishing to have their industrial skills augmented by undertaking study courses pertinent to their respective industrial pursuits. All the day courses are run on a full-time basis, according to the DTEVT Training Programmes. Moreover, past graduates of the College have been moving into important positions in various industrial fields throughout the country, and it is in this respect that qualifications obtained here at NORTEC are still proving excellent for challenging and rewarding vocations in a substantial number of technical fields.

COLLEGE ADMINISTRATION

Principal:

S. S. Sanghera; M.A., C.Eng., M.I.Mech. E., M.E.I.Z. Teaching D.

Vice-Principal:

J. P. Banda; C & G (Final) M.I.S.E. Teaching Dip., Dip. Technology (Honours)

Senior Registrar:

A. M. Banda; Cert. Ed.

Registrar:

W. S. Ngungu

Student Affairs Officer:

J. B. Ponde

Senior Bursar:

L. Z. Mkamanga; ZDA PART I, Cert. in FIN. MAN. Educ. (UK)

Librarian:

M. C. Banda

Sports Officer:

F. Besa; Cert. Educ., Dip. Real Estate Law

Executive Officer:

D. C. Lungu

Executive Officer:

F. M. Chabinga

Senior Stores Officer:

F. S. Zimba

Examinations Officer:

J. A. Malama

Clerk of Works:

M. I. Mzumira

Nursing Sister:

C. B. Zengeni

Catering Officer:

S. M. Chanda; Cert. & Dip. HCM.

Chief Technician:

H. Lemisa

THE COLLEGE

The Northern Technical College (popularly known as NORTEC) is situated in the Kansenshi area of Ndola. It has two separate campuses. The main campus, which houses Administrative Offices, Training Departments, Library, Recreation and Dining Halls and four Hostels, has its entrance from Cheia Road (off Kwacha Road). The other campus, which has four Hostels and playing fields, is situated between Feira and Kwacha Roads, towards the City Centre.

TRAINING DEPARTMENTS

The College courses are undertaken by the following Departments:

Mechanical Engineering Department

- (a) Mechanical Section.
- (b) Fabrication Section.

Automotive Engineering Department

- (a) Automotive Section.
- (b) Heavy Equipment Repair Section.

Electrical Engineering Department

- (a) Electrical Engineering.
- (b) Refrigeration and Air-Conditioning.
- (c) Communication Skills and Political Education.

Each training Department has well equipped Workshops and Laboratories to ensure that adequate practical training can be given side by side with theoretical training. In all, the college has 17 Workshops and 11 Laboratories.

LIBRARY

The Library in the college is the information centre aimed at playing a complementary role to teaching as well as administrative operations in the college. The Library enhances the fulfilment of the college's aims and purposes by co-ordinating its policies and academic interests through the provision of necessary study and reference material. Being an academic Library, its facilities are limited to members of the college community, i.e. administrative and teaching staff as well as full- and part-time members of the student body.

The Library collection is mainly based on requirements of study programmes offered by the college. But for the sake of general knowledge, the Library collection also represents a lot of other fields of knowledge though not reflected in study programmes of the college. This year the collection stands at over 15,000 volumes and 50 journal and newspaper subscriptions. The average annual collection growth rate is around 1,500 volumes.

The Audio-Visual Section is run separately by the Communication Skills Section of the college.

Library business hours are as follows:

Monday to Friday: 0800 hours to 1300 hours
1400 hours to 1700 hours

SICK BAY

The Sick Bay is manned by a qualified Registered Nurse. She attends to all minor ailments of students and staff. She arranges for treatment at Ndola Central Hospital for serious cases. In addition, first aid boxes are available in all Workshops and at Student Affairs Officer's house.



Checking BP. in Sick Bay.



Busy at work in reading room [Library]



Reference, periodical and newspaper room [Library]

SPORTS

Extra-curricular activities are organised, mainly by the students themselves and membership is available to groups catering for a wide range of interests such as the Dramatic Society, Ballroom Dancing Club, Zambia Fellowship of Evangelical Students (ZAFES) and S.D.A. Forum. Photographic Club film shows are also organised by the Students' Union.

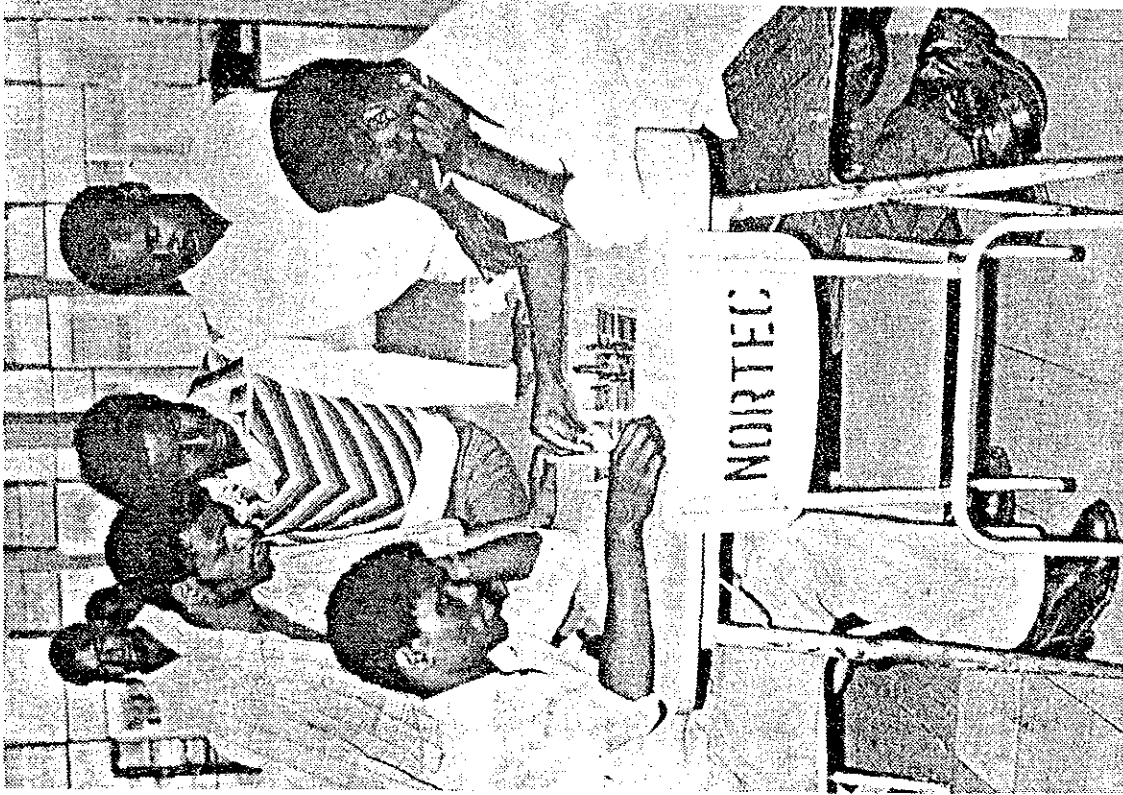
The College makes provision for a large range of Sports activities. Students have the choice of joining any of the following Clubs:

Football; Volleyball; Basketball; Rugby; Lawn Tennis; Boxing; Karate; Darts; Swimming; Badminton; Table Tennis; Athletics; Chess.

The sports activities are organised by the students through the College Sports Council. Supervision, maintenance and development of the activities is done by a full-time Sports Officer. Students are encouraged to learn basic coaching and administration skills and techniques to take up and initiate technical and administrative posts in the many associations among the community.

The College is a member of the Zambia Higher Institution Sports Association which arranges competitions between its members in a number of sporting activities.

It is also a member of Zambia Basketball Association, Zambia Rugby Union, Zambia Table Tennis Association and Copperbelt Chess Board.



Playing chess in recreation hall

ADMISSION AND REGISTRATION

Registration is the responsibility of the College and selected students must report to the College on the date indicated on the letter of acceptance sent by the Department of Technical Education and Vocational Training, to complete admission formalities. Selected students must also produce a certificate of fitness, which should include chest X-ray, signed by a Government Doctor. Students reporting for the admission formalities must have National Registration Cards. (See also inside back cover.)

FEES

Sponsored Students: Tuition and Boarding = K750 per annum.

Non-Zambians: Tuition and Boarding = K1,250 per annum.



Playing table tennis

COLLEGE CALENDAR 1985

TERM I Opens Monday 21st January
Closes Friday 29th March

TERM II Opens Monday 15th April
Closes Friday 21st June

TERM III Open Monday 15th July
Closes Friday 20th September

TERM IV Opens Monday 7th October
Closes Friday 13th December

PUBLIC HOLIDAYS 1985

Tuesday 1st January New Year's Day

Saturday 16th March Youth Day

Friday 5th April Good Friday

Saturday 6th April Holy Saturday

Wednesday 1st May Labour Day

Saturday 25th May Africa Freedom Day

Monday 1st July Heroes Day

Tuesday 2nd July Unity Day

Monday 5th August Farmers' Day

Thursday 24th October Independence Day

Wednesday 25th December Christmas Day

AUTOMOTIVE ENGINEERING DEPARTMENT

Head of Department (Acting):

A. J. Lockwood, C & G, FTC, AMIMI, T.Eng (CEI).

Head of Section (Automotive):

Vacant

Head of Section (Heavy Duty):

L. H. M. Clark, T.Eng. (CEI), F.T.C., F.I.M.I., M.I.R.T.E.,
M.S.A.E., M.S.A.E.T., Cert. Ed.

Senior Lecturer (Automotive):

S. B. Chimai, C & G Part III, Dip. Auto. Eng. (UK), A.M.I.R.T.B., Teaching Dip. Cert. in FIT MAINT.

Senior Lecturer (Heavy Duty):

F. M. Silwamba, C & G FIG., N.A.I.T. Cert., A.M.I.R.T.E., G.I.M.T., ASS (C.I.T.) G.I.R.T.S., Dip. (UK) Teaching Dip.

Lecturers:

V. N. Makanga, H.E.R. (Adv) Cert., Teaching Dip.,

J. K. Munyama, Tech. (Adv) Cert. C & G Part III, Teaching Dip. S.A.E.

P. S. Palawela, C & G (Tech) Cert., Dip. (Mech.), Teaching Dip.

S. Mubita, Tech. (Adv) Cert., AF.IME, AFF. S.A.E., Teaching Dip., Part I C & G.

G. Mutale, Tech (Adv) Cert., C & G Part I IMM1, S.A.E., AFF.

M. Voight, German Volunteer.

J. Chiti, DTEVT, Adv. Tech (ELT (HD)) C & G; Tech. Dip.

E. S. Banda, Tech (Adv) Cert., C.G. Tech. Dip., S.A.E., AFF.

AUTOMOTIVE TECHNICIAN (COURSE NO. C3)

Duration:

2 years and 6 months (8 terms in college 2 terms in Industry).

Entry Qualification:

Cambridge Certificate in Mathematics, Physics/Chemistry and English.

Course Subjects:

Technical Drawing; Mathematics; Workshop Practice; Communication Skills; Workshop Technology; Science Laboratory Work and Management Studies.

Certification:

Upon satisfactory completion of the course a student is awarded an Advanced Certificate (Automotive Technician).

Course Objectives

The course is intended to provide a broad Technical Education for students wishing to be employed in the Automotive Industry. It is designed to develop an ability to diagnose faults, recommend means of rectification, and to test and analyse the performance of vehicles after repair and modification. The course should help to prepare Technicians who aspire to responsible supervisory posts in maintenance and repair workshops.

Employment Prospects:

Graduating students can expect to be employed in the motor trade by local garages and transport organisations such as United Bus Company of Zambia, Zam-Tan Road Services, Contract Haulage, Railways, Mining and Industry, District Councils and Mechanical Services Department.

HEAVY EQUIPMENT REPAIR TECHNICIAN (COURSE NO. C4)

Duration:

2 years and 6 months (8 terms in the college and 2 terms in Industry).

Entry Qualifications:

Cambridge Certificate in Mathematics, Physics/Chemistry and English.

Course Subjects:

The course subjects will be as those applicable to the Automotive course, except that training will concentrate on Heavy Duty Equipment.

Certification:

An advanced Certificate (Heavy Equipment Repair Technician) shall be awarded to successful students.

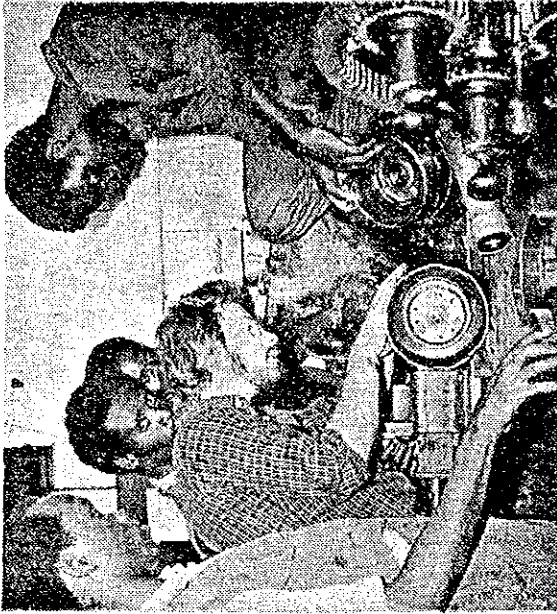
The Course:

The Heavy Equipment Workshops were completed in 1978. Most of the training material and equipment donated by the World Bank have been installed in workshops and laboratories. Other donations

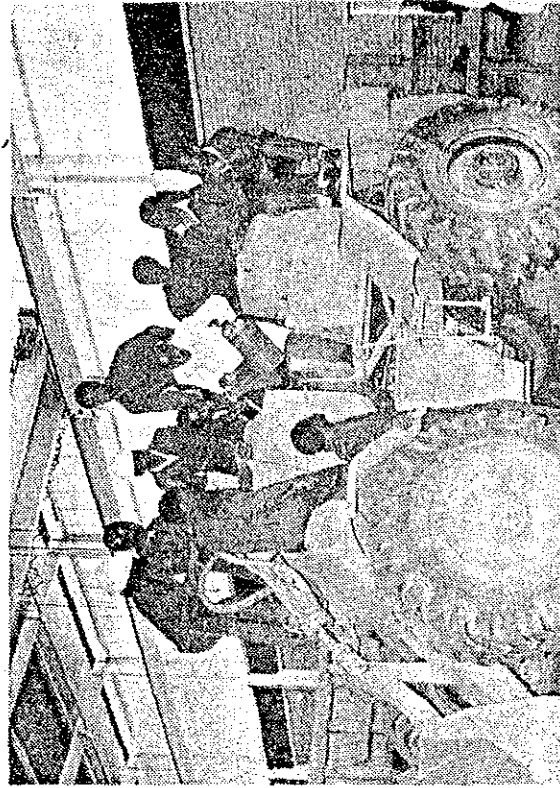
of earth-moving plant and equipment came from ZCCM Ltd., Crushed Stones, Maamba Collieries Mines, Blackwood Hodge, Mazembe Tractor Company, and many others.

Employment Prospects:

Students on this course can expect, upon graduation, to be employed in Earth-Moving Equipment workshops such as the Mining Industry, Mazembe Tractor Company, Blackwood Hodge, Mechanical Services Department, Crushed Stones Sales Limited, Nakambala Sugar Estates and many other firms dealing with heavy-duty equipment.



Instruction on automatic gearbox [Automotive Workshop]



Instruction on front end loader air-cleaner system [H.D. Workshop]

MECHANICAL TECHNOLOGY (COURSE NO. D6)

Course Duration:

3 years and 3 months (10 terms in college and 3 terms in Industry).

Entry Qualifications:

Students for this course are selected from Mechanical Technicians course (after completion of 1 year) and they must display above average academic ability.

Course Subjects:

Mathematics; Communication Skills; Workshop Practice; Metallurgy; Theory of Machines; Engineering Drawing/Design; Workshop Processes; Thermodynamics; Electrical Systems; Fluid Mechanics; Management; Design Project; Instrumentation and Control; Strength of Materials; Applied Mechanics.

Certification:

Upon satisfactory completion of the course a student is awarded a Diploma (Mechanical Technology).

Course Objectives:

The course is designed to provide a broad training in engineering principles and theory. Technologists are being trained to provide strong support to the professional engineer. The course gives an appreciation of manual skills. Technologists, with experience, should eventually achieve middle management posts.

MECHANICAL ENGINEERING DEPARTMENT

Head of Department (Acting):

K. A. Woods, HNC (Mech), T. Eng., MIG Tech. E.

Head of Section: Vacant.

Head of Section (Fabrication):

K. Forster, C & G Tech. Weld. Inst.

Senior Lecturer (Mechanical):

A. Timmins, C & G FTC, Cert. Edu., T. Eng. (CED), M.I. Plant E.

Senior Lecturer (Fabrication): Vacant.

Lecturers (Mechanical):

T. Waluzimba, C & G Tech., Teacher's Dip., NAIT Cert.

A. K. B. Mbewe, C & G Mech. Tech., Teach. Dip. Tech., Mech. Eng. Cert.

J. D. Ngungu, HND (Mech. Prod), Dip. (Mech. Tech), Diploma (Tech. Teach.), Cert. Inst. Meter.

C. Chomba, Dip. Tech.

C. Mukosha, C & G Craft (Adv), Tech. T. Dip.

Lecturers (Fabrication):

E. H. Simpungwe, Tech. Cert. (Adv.), Teach. Dip.

D. M. Luchembe, C & G, Teaching Dip.

G. Mwanza, Tech. Cert. (Adv), Teach. Dip.

B. Mutambo, Tech. Cert. (Adv), Civil Eng. Dip., Teaching Diploma.

O. Chungu, M.A.I.T. Cert., C & G Tech. Cert., Teaching Diploma.

T. K. Chewe, Tech (Adv) Cert., Teaching Diploma.

MECHANICAL TECHNICIAN (COURSE NO. C8)

Duration:

2 years and 9 months (9 terms in college and 2 terms in Industry).

Entry Qualifications:

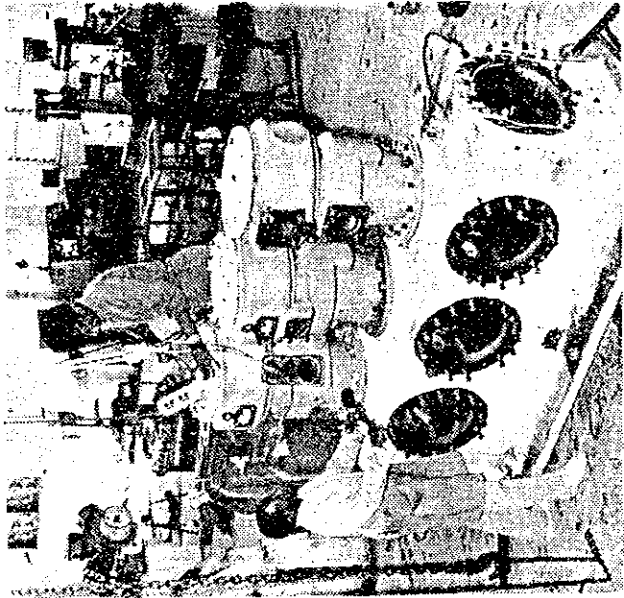
Cambridge Certificate in Mathematics, Physics/Chemistry and English Language.

Course Subjects:

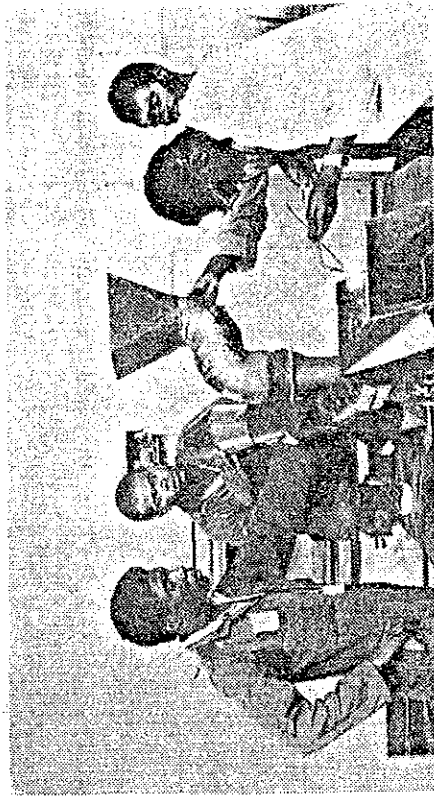
Communication Skills; Engineering Drawing; Engineering Science; Management and Organisation; Materials; Mathematics; Plant Maintenance (Theory); Plant Maintenance Practice; Workshop Process and Workshop Projects.

Course Objectives:

The course is intended to provide a broad Technical Education in Mechanical Engineering to those who wish to achieve eventually a position of some responsibility which necessitates basic practical training. It is especially suited to the needs of those who aspire to supervisory duties, shop process control, drawing office practice, plant maintenance and other forms of responsibility based upon practical experience and detailed knowledge of machines and processes, combined with the technical ability to solve routine technical problems unaided.



*Refitting air compressor in Plant Fitting shop
[Mechanical]*



*Assembling developed components by gas welding in Metal
Fabrication Workshop*

METAL FABRICATION TECHNICIAN (COURSE NO. CI1)

Duration:

2 years and 6 months (8 terms in college and 2 terms in Industry).

Entry Qualifications:

Cambridge Certificate in Mathematics, Physics/Chemistry and English.

Course Subjects:

Communication Skills; Theory and Design of Structures; Mathematics; Fabrication Processes and Technology; Drawing and Development; Workshop Practice; Welding Processes and Technology; Materials Technology; Management.

Certification:

Upon satisfactory completion of the course, a student is awarded an Advanced Certificate (Metal Fabrication Technician).

Course Objectives:

The course is designed to provide a broad Practical Education in the field of Metal Fabrication Engineering. The work covers Drawing, Design of Structures, Welding Processes, Inspection and Testing, Materials, Organisation and Management. Fabrication students will, during their time at college, spend a number of weeks on production work.

METAL FABRICATION CRAFT (COURSE NO. CI17)

Duration:

2 years in college. 8 terms.

Entry Qualifications:

Full Form III Certificate plus satisfactory completion of pre-vocational course for Craft Trainees arranged by the Department of Technical Education and Vocational Training.

Course Subjects:

Communication Skills; Workshop Technology; Calculations and Science; Drawing and Development; Related Studies.

Certification:

Upon satisfactory completion of the course, a student will be awarded an INTERIM CERTIFICATE. A final certificate is awarded after the completion of a period of at least one year in Industry.

Course Objectives:

The course has been designed to train Craftsmen for the trade of Heavy Plate and Sheetmetal Work. Students will be trained to obtain a high standard of skill in Arc and Gas Welding as well as being instructed in the use of machinery and tools associated with the forming and joining of metals. The Theoretical part of the course is limited to that which is directly related to their practical skills.

MACHINIST FITTER (COURSE NO. CT8)

Duration:

2 years in college. 8 terms.

Entry Qualifications:

Full Form III Certificate.

Course Subjects:

Communication Skills; Calculations; Workshop Technology; Workshop Practice; Engineering Science.

Certification:

Upon satisfactory completion of the course, a student is awarded an INTERIM CERTIFICATE. A Final certificate is awarded after the completion of a period of at least one year in Industry.

Course Objectives:

Students on this course will be expected to reach a high level of manual skill in Turning and Machining/Plant Fitting. This is a practice course with some basic theoretical training in subjects directly related to the workshop training. The emphasis is on practical training and practical proficiency.

ELECTRICAL ENGINEERING DEPARTMENT

Head of Department:

I. G. R. Craven, H.N.C.

Head of Section:

Z. I. Qureshi, B.Sc. DUS (Survey) M. Phil. (C.N.A.), C. Eng. M.I.E.E.

Senior Lecturers (Electrical):

M. M. Kasalwe, Dip. Electrical Technology, DIEVT Technical Cert., Dip. Tech. Teacher.

R. K. Chanda, Dip. Elect. Eng. Technology, Dip. Elect. Eng. Technician. CIDA Cert., Tech. Cert. Dip. Education.

Senior Lecturers (Refrigeration and Air-Conditioning): Vacant.

Lecturers (Electrical):

M. Kaluba, Tech. Cert. (Adv.), Teaching Dip.

S. Situmbeko, Tech. Dip., Teaching Dip.

R. Mubanga, Dip. Elec., Teaching Dip.

M. Witika, B.Sc.

A. Lungu, N.D. C & G., Tech. Cert., Dip. Tech.

Lecturers (Refrigeration):

S. B. Palencia, B.Sc., M.A.

Suzuki Yoshiaki, Japanese Volunteer.

D. Chongo, East African Cert., Zambia Craft.

COMMUNICATION SKILLS AND POLITICAL EDUCATION

Senior Lecturers:

L. P. Muloshi.

W. Chokani, B.A., B.Ed., M.A.

Lecturer:

M. T. Munyenembe, B.A.

ELECTRICAL TECHNICIAN (COURSE NO. C6)

Duration:

2 years and 6 months (8 terms in college and 2 terms in Industry).

Entry Qualifications:

Cambridge Certificate in Mathematics, Physics/Chemistry and English.

Course Subjects:

Communication Skills; Electrical Technology; Instrumentation; Science; Control Engineering; Electronics; Mathematics; Supply Engineering; Laboratory Work; Technical Drawing; Workshop Practice; Project Work.

Certification:

Upon satisfactory completion of the course, a student is awarded an Advanced Certificate (Electrical Technician).

Course Objectives:

The course aims to provide practical skills and knowledge of electrical theory. The emphasis is on the diagnosis as well as the rectification of faults.

Employment Prospects:

Successful students are likely to find careers in Power Generation and Distribution, Control Systems, maintenance of electrical equipment in Mines, private and parastatal companies and District Councils.



Power factor correction using Synchronous motor [Electrical Lab]

ELECTRICAL CRAFT (COURSE NO. CT4)

Duration:

2 years in the college. 8 terms.

Entry Qualifications:

Form III full certificate plus satisfactory completion of the pre-vocational course for Craft Trainees arranged by the Department of Technical Education and Vocational Training.

Course Subjects:

Communication Skills; Science; Workshop Practice; Laboratory Work; Mathematics; Related Studies; Electrical Theory.

Certification:

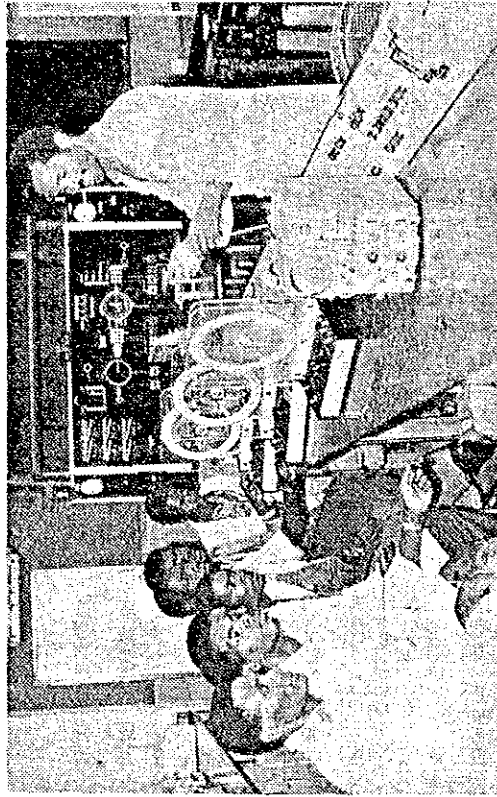
Upon satisfactory completion of the course, a student is awarded an INTERIM CERTIFICATE. A Final Certificate is awarded after the completion of a period of at least one year in Industry.

Course Objectives:

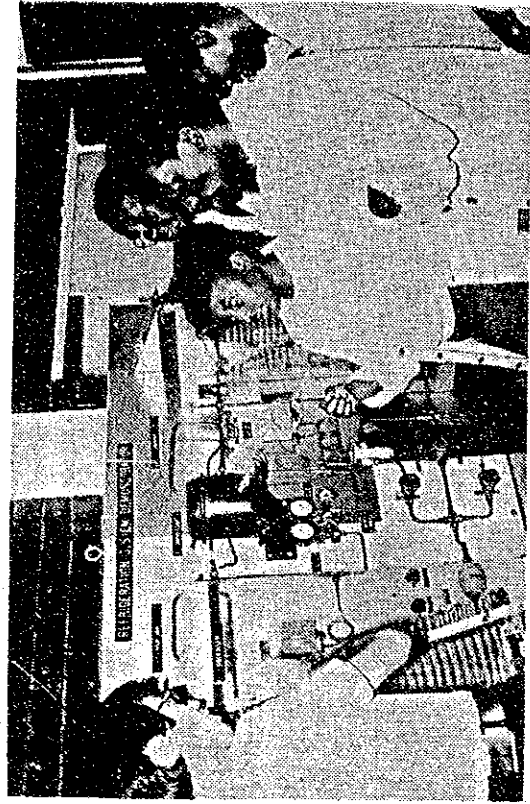
The course aims to develop a high level of skill in the installation of electrical equipment, such as lighting systems, domestic appliances and motors. A sound knowledge of workshop practice, safety measures and installation regulations is essential.

Employment Prospects:

Successful students are likely to find careers in Power Generation and Distribution, Control Systems, Maintenance of electrical equipment in Mines and companies or within District Councils.



*Measuring torque using brake D.C. motor and brake A.C. motor
[Electrical Lab]*



Demonstrating refrigeration system [Ref. shop]

**REFRIGERATION AND AIR-CONDITIONING MECHANICAL
(COURSE NO. CT13)**

Duration:

2 years in college. 8 terms.

Entry Qualifications:

Full Form III Certificate.

Course Subjects:

Communication Skills; Calculations; Workshop Technology;
Workshop Practice; Refrigeration Science; Engineering Drawing.

Certification:

Upon satisfactory completion of the course, a student is awarded an INTERIM CERTIFICATE. A Final Certificate is awarded after the completion of a period of at least one year in Industry.

Course Objectives:

The special Craft Course has emphasis on Practical Training and Practical Proficiency to meet the requirements in Industry of Craftsmen, for installation and maintenance of refrigeration and air-conditioning units. The student will have general practical training in soldering, brazing, welding, sheetmetal work, riveting and the use of small hand portable power tools in the mechanical workshops which will lead to identification and fault finding of related electrical components and wiring. In the later stages students will work on air-conditioning units with a view to detect and repair faults. This is essentially a practical course which is re-enforced by technology, drawing, mathematics and science.

Employment Prospects:

Successful candidates are likely to find careers in private and parastatal companies.

EXTENSION STUDIES DEPARTMENT

Senior Lecturer: C. C. Kasongo, MIED, MTVE.

Evening courses are designated to suit and benefit the local community, especially the industry who wish to upgrade their employees. Special courses can be run on request if we do not offer them. With the co-operation between the college and the employers, Day Release courses can be arranged and timed to benefit workers. Shorthand Day Release and Dressmaking courses were organised in January and July, 1984, respectively and proved successful. Lack of classrooms may hinder us from running them again this year, but every effort will be done to see that they are organised since the response from students is very encouraging. We shall have only four new classes this January:

- (a) Diploma in Managerial Principles.
- (b) Shorthand Theory and Speed.
- (c) GCE 'A' & 'O' Levels.

Major intakes will be in July when we shall recruit for the rest of the courses.

<i>Course No.</i>	<i>Course Description</i>	<i>Duration [Years]</i>	<i>Entry Qualifications</i>	<i>Fees Per Year</i>
ECO/C8	Mechanical Technicians	3	Craft Certificate of DTEVT or Mine Craft Certificate	K300
ECO/C6	Electrical Technician	3	Craft Certificate of DTEVT or Mine Craft Certificate	K300
BS/C/9	Certificate in Accounts and Business Studies	2	Form III Certificate or better	K100
IPS/C/80	First Certificate in Purchasing and Stores	1	4 GCE 'O' Levels or Employer's recommendation	K100
IPS/AC/11	Second Certificate in Purchasing and Stores	1	First Certificate in Stores Supervision	K100
IPS/PE/12	IPS (Professional Examinations)	3	5 GCE 'O' Levels, including English and quantitative subject of which at least two must be at advanced level	K100
SH/T/13a	Shorthand Theory Stage 1 (Pitman's)	1	Form III with Credit in English or better	K50
SH/T/13b	Shorthand Theory Stage 2 (Pitman's)	2	Pitman's Shorthand	K50
SH/S/14a	Shorthand Speeds 50-100 wpm	1	Pitman's 50 wpm Certificate or better	K50

<i>Course No</i>	<i>Course Description</i>	<i>Duration [Years]</i>	<i>Entry Qualifications</i>	<i>Fees Per Year</i>
SH/S/14b	Shorthand Day Release	½	GCE-English Typing Certificate	K150
SH/S/14c	Shorthand Speeds 100-120 wpm	1	Pitman's 100 wpm Certificate or better	K50
GCE/A/15	General Certificate of Education Advanced Level	1½	GCE 'O' Level Pass in Mathematics and Physics	K100
AAT/16	Association of Accounting	2	4 GCE 'O' Levels	K100
CM/17	Certificate in Marketing	2	5 GCE 'O' Levels	K100
DMP/18	Diploma in Managerial Principles	2	5 GCE 'O' Levels	K120
DM/P/21	Dress Pattern Making	½	Form III or better	K30 per term
GCE/O/20	General Education Ordinary Level (Mathematics, Physics, Chemistry and English)	1½	Form III Certificate	K200

IMPORTANT REGULATIONS

1. Students are under the jurisdiction of the Principal of the college for the full duration of the course.
2. The college cannot accept responsibility for loss or damage, etc., to the property of the students, nor any injury to the student which results either from disregard of college instructions or from their own negligence.
3. Students are expected to attend classes regularly and punctually. Attendance of less than 85 per cent disqualifies a student from entry to Examinations. Where a student is employed, the sponsor will be advised of any unauthorised absence.
4. Students are required to pay for any loss/damage of the college property and are liable to suspension and prosecution for any such loss/damage.
5. Students are not permitted to leave the college premises during the class hours unless permission has been obtained from the Head of Department. Deductions of 10 ngwee per period are made for unauthorised absence.
6. Suitable protective clothing and footwear must be worn at all times in the workshops.
7. Alcoholic beverages are not permitted on the college premises.
8. Smoking is not permitted in the classrooms or Laboratories, but may be permitted in Workshops at the discretion of the lecturer.
9. Students are expected to respect the privacy and consider the convenience of other students, particularly in regard to playing music during college hours and/or after 1930 hours or week days.
10. Resident students are expected to be in by 2330 hours.
11. Visitors may visit the students during visiting hours, but female visitors must be signed in by the Watchman. Visitors will not be allowed to spend a night with students.
12. Students' Post Office Box Number is KJ 250095.

IMPORTANT REGULATIONS (Continued)

13. Students' Chela Road campus Phone Number is 2030.
14. Students' Kwacha Road Hostel Phone Number is 8611011.

EXAMINATION DATES 1985

City and Guilds

May/June Examinations - Closing date for entries 31/12/84
December Examinations - Closing date for entries 31/8/85

Royal Society of Arts

March Examination - Closing date for entries (No exams)
June Examinations - Closing date for entries 28/2/85
November Examinations - Closing date for entries (No exams)

Pitman's Institute

June Examinations - Closing date for entries 30/4/85
December Examinations - Closing date for entries 31/10/85

Certificate in Accounts and Business Studies

June Examinations - Closing date for entries 31/3/85
December Examinations - Closing date for entries 30/9/85

Associated Examining Board [GCE 'O' & 'A' Levels]

June Examinations - Closing date for entries 31/1/85
November Examinations - Closing date for entries 31/8/85

NOTE: Candidates are advised to make their own arrangements obtaining Bank Drafts, as all remittances should be made payable to A.E.B. Wellington House, Aldershot, Hampshire GULL 1BQ, United Kingdom. No cheques or Bank Drafts should be made payable to this college for the above examination.

DTEVT APPLICATION TO TAKE EXAMINATION IN: CRAFT COURSES, FITTING, FABRICATION, ELECTRICAL AND REFRIGERATION

March Examinations - Closing date for entries 31/1/85
June Examinations - Closing date for entries 30/6/85
September Examinations - Closing date for entries 31/7/85
December Examinations - Closing date for entries 15/10/85

NOTE: Candidates who are not in full-time attendance at a DTEVT Institute or College or who are in full-time attendance at a non-Departmental Institute are liable for Examination Fees of K2.00 per subject. Candidates who are in full-time attendance at an Institute but failed at the final examinations are liable for Examination fees of K2.00 per subject when resit application has been accepted.

Institute of Purchasing and Supply

May Examinations - Closing date for entries 31/3/85
November Examinations - Closing date for entries 17/9/85

NOTE: Remittances should be made payable to the Assistant Secretary, at IPS Easton House, Easton on the Hill, Stamford, Lincolnshire PE9 3NZ, United Kingdom.

EXAMINATION DATES 1985

The London Chamber of Commerce and Industry

March Examinations - Closing date for entries 31/12/84
No Group Diploma available. Examinations Officer must be contacted before payment is made for this series.

April/May Examinations - Closing date for entries 31/01/85
Group Diploma offered. All subjects are offered during this series.

November/December Examinations - Closing date for entries 31/7/85, Group Diploma available.

Zambia Diploma in Accountancy

Application to take the Part 1, Part 2 and Part 3 Examinations should be sent to: The Director, DTEVT (Accountancy Programmes), Private Bag RW16, Ridgeway, Lusaka, not later than the published closing date for applications.

EXAMINATION CENTRES

APPROVED CENTRES FOR THE FOLLOWING EXAMINING BODIES:

City and Guilds of London Institute - United Kingdom
Royal Society of Arts - United Kingdom
Pitman's Examination Institute - United Kingdom
The London Chamber of Commerce and Industry - United Kingdom
The American College founded 1927 - United Kingdom
The Institute of Purchasing and Supply - United Kingdom
The Royal Institution of Chartered Surveyors - United Kingdom
The Institute of Administrative Management - United Kingdom
Scottish Business Education Council - Scotland
Associated Examining Board (GCE) - United Kingdom
Managing and Marketing Sales Association - United Kingdom
The Institute of Industrial Managers - United Kingdom
Certificate in Accounts and Business Studies - Zambia
The British Society of Commerce - United Kingdom
Zambia Diploma in Accountancy - Zambia
The Council of Engineering - United Kingdom
The British Printing Industries Federation - United Kingdom
The Institute of Bankers - Zambia - United Kingdom
The Institute of Cost and Management Accountants - United Kingdom
The Institute of Export - United Kingdom
The Institute of Chartered Secretaries and Administrators - United Kingdom
The Open University - United Kingdom
The University of Birmingham - United Kingdom

EXAMINATION CENTRES (Continued)

The University of Reading - United Kingdom

The Chartered Institute of Building - United Kingdom

The Rating and Valuation Association - United Kingdom

DTEVT Metal Fabrication - Lusaka - Zambia

DTEVT Refrigeration - Lusaka - Zambia

The Institute of Administration and Commerce of South Africa
Republic of South Africa

The Insurance Institute of Canada

The Hotel Catering Institutional Management Association - United
Kingdom

STAFF ON STUDY LEAVE

S. A. Mupanga, Lecturer — Mechanical (UK)

E. D. Musafili, Lecturer — Mechanical (UK)

S. C. Syulikwa, Lecturer — Mechanical (UK)

A. O. Banda, Lecturer — Mechanical (UK)

P. Mwangata, Lecturer — Electrical (Ireland)

R. A. Musukwa, Lecturer — Political Education (UNZA)

M. G. Mwape, Lecturer — Political Education (GDR)

Course advertisement appear in the National Press. Applications and enquiries concerning admission should be directed to:-

The Director (Student Services)

DTEVT

Private Bag RW18

LUSAKA

The Department of Technical Education and Vocational Training, Lusaka, will notify applicants whether their applications have been successful or not. The College is not in a position to help on matters concerning selection.