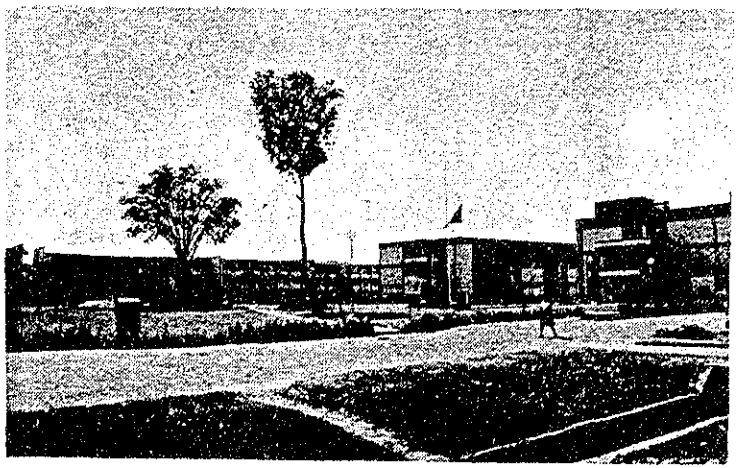
Zambia Institute of Technology

Kitwe



Prospectus 1981-82

M K DE BEER
(PRINCIPAL)

E NGOMA
(VICE PRINCIPAL)

M J MUMBATI
(SENIOR REGISTRAR)

POSTAL ADDRESS: ZAMBIA INSTITUTE OF TECHNOLOGY
P.O. BOX 21993
KITWE.

TELEGRAPHIC: ZAMTECH KITWE

TELEPHONE: 212066/212243

Zambia Institute of Technology (ZIT) was founded in 1970.

The Institute campus is designed for a total enrolment of 3,000 full-time residential students. At the moment it can accommodate 1660 students. It is one of the largest and best equipped technical institutes in the whole of Central Africa.

The main functions of the Institute are:-

(a) to provide technicians and technologists for both the present and future industry of Zambia;

(b) to provide personnel with administrative, management, secretarial, and business skills;

(c) to enable Zambia to be self sufficient in these categories of manpower.

The Institute also operates a centre for Extension Studies which runs part-time evening classes.

THE INSTITUTE SYSTEM

There are six training departments, with their own curricula and staff:

1. Academic & Industrial Science Department
2. Business Studies Department
3. Construction Department

4. Electrical, Electronics, Telecommunication and Instrumentation Department
5. Mining Department
6. Secretarial & Extension Studies Department.

There is also an Instructional Resources Department which provides library services and reprographic facilities for the training programmes of these departments.

The Institute operates on a 10 week term, four terms a year system. This system is however, currently under review.

Students are sent into Industry at regular intervals to acquire practical experience to complement theory. This period is called "Industrial Break".

Industrial Breaks often lead to sponsorship offers and offers of employment after graduation. It can be regarded as a trial, or probation period, in which an employer can take a good look at a student and vice-versa. If they like each other, employment may be offered or requested.

All companies and organisations are invited to visit the Institute at its new campus at Riverside. Appointments can be arranged easily. Representatives are invited to talk to students in training about their industry, possibly discussing future employment prospects both during industrial breaks and after graduation.

The current policy is to encourage industry to sponsor students, either by getting their own employees enrolled or by employing students already in training. Sponsorship details are available from the Institute.

CERTIFICATION

Students who successfully complete the technician courses receive an Advanced Certificate, while those pursuing the technology courses receive a Diploma, awarded by the Department of Technical Education & Vocational Training.

STUDENT RESIDENCE

The Zambia Institute of Technology provides separate residential accommodation for men and women in comfortably furnished rooms. The few rules that exist are implemented by the administration.

Every student living in the institute is required to eat meals in the Dining Hall at the times specified by the Catering Officer.

The Institute provides medical services to all resident students through the college clinic which is run with the help of medical staff provided for by the Ministry of Health.

ADMISSION

Applicants for admission to any technical or commercial course at the Institute should comply with the minimum entry qualification required (See the table on the next page). All admission enquiries should be addressed to:

The Director,
(Testing & Selection),
D.T.E.V.T.,
Private Bag 50016,
LUSAKA.

Students registering at the Institute for the first time are required to pay K10.00 towards the Student Service Fund. This fund is intended to encourage the development of student social facilities through the student union and clubs.

COURSE	Duration in years	Certificate course	Advanced Certificate course	Diploma Course	Minimum Entry Qualifications
ACADEMIC AND INDUSTRIAL SCIENCE DEPARTMENT					
Industrial Science Technician	2-3		X	X	Form V with passes in Maths, a suitable Science & English
Industrial Science Technology	3	X			Form III with credits in English, Maths and two other relevant subjects
BUSINESS STUDIES DEPARTMENT					
Accounts and Business Studies Cert.	2	X			Form V with credits in English, Maths and two other relevant subjects
Diploma in Accountancy	3				
Diploma in Business Administration	3				
Diploma in Marketing	3				
Diploma in Personnel Management	3				

COURSE	Duration in years	Certificate course	Advanced Certificate course	Diploma course	Minimum Entry Qualifications
CONSTRUCTION DEPARTMENT					
Construction Technician	2½		X		
Architecture Technology	3¼			X	Form V with
Civil Engineering Technology	3¼			X	passes in Maths,
Land Surveying Technology	3¼			X	a suitable
Quantity Surveying Technology	3¼			X	Science & English
Town and Country Planning Technology	3¼			X	
ELECTRICAL, ELECTRONICS INSTRUMENTATION AND TELECOMMUNICATIONS DEPARTMENT					
Electronic Technician	2½		X		
Electronic Technology	3¼			X	Form V with
Electrical Technician	2½		X		passes in Maths,
Electrical Technology	3¼			X	a suitable
Telecommunication Technician	2½		X		Science & English
Telecommunication Technology	3¼			X	
Process Instrumentation Technician	2½		X		
Electrical Instrumentation Technician	2½		X		

COURSE	Duration in years	Certificate course	Advanced Certificate course	Diploma course	Minimum Entry Qualifications
MINING DEPARTMENT					
Mining Technician	2½		X		Form V with
Mining Metallurgy Technician	2½		X		passes in Maths,
Mining Surveying Technician	2½		X		a suitable Science
Mine Ventilation Technician	2½		X		& English
Mining Surveying Technology	1			X	A good pass in
Mining Metallurgy Technology	1			X	Advanced
Mine Ventilation Technology	1			X	Technician Cert.
SECRETARIAL DEPARTMENT					
Shorthand-Typist	1¼	X			Form V
Clerk Typist	1¼	X			Form III

INSTRUCTIONAL RESOURCES DEPARTMENT

This department is responsible for Library Services, audio-visual aids and printing services at the Institute.

LIBRARY

The Library is located on the first floor of the core building. It has a collection of over 15,000 volumes and a wide range of periodicals. A 700 volume reference section is maintained separately to effectively support the non-reference section.

Arrangement of material is by the Library of Congress Standards of Classification and Cataloguing System.

The opening hours are standard from 0800 hours to 2200 hours.

AUDIO-VISUAL AIDS

The Audio Visual Aids Section has 8- and 16-mm Projectors, Slide/Strip/Loop Projectors, Overhead Projectors, Transparency-makers and Tape Recorders etc., with extensive studio and dark-room facilities.

PRINTING FACILITIES

The Institute is equipped for self-sufficiency in all its printing requirements - from day to day lecture-handouts to the production of booklets. The equipment in the Printing Section includes an Offset platemaker and printer, Stencil and Spirit Duplicators, Scanners and Photocopiers.

ACADEMIC AND INDUSTRIAL SCIENCE DEPARTMENT

This department provides instruction in Chemistry, Physics, Mathematics, Communication Skills, Health Science, Management and Political Education, for all courses in other departments of the Institute.

The department also provides training programmes for Industrial Science technicians and technologists.

The Industrial Science course is designed to produce a versatile technician or technologist who can adapt himself to a wide range of processing industries.

The students in their final terms carry out work on industrial projects sponsored by Zambian Industries. These projects are centred around any aspect of the industry and are designed to develop and demonstrate initiative, promote research and develop the art of report writing.

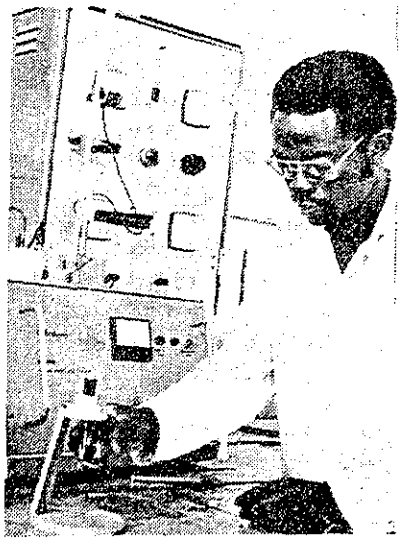
The students, by continuous visits to different industries in the Copperbelt area, are able to study various industrial processes and carry out their own projects.

INDUSTRIAL SCIENCE TECHNICIAN COURSE

Technicians with experience should eventually fill supervisory posts in various industries.

Course Subjects

Chemistry, Communication Skills, Physics, Mathematics, Biology, Technical Drawing, Strength of Materials, Mechanical Skills, Practical Electricity, Industrial Safety, Fluid Mechanics, Management Subjects, Principles of Chemical Engineering, Applied Heat, Materials and Processes, Process Machinery and Instrumental Analysis, Work Study and Industrial Projects.



INDUSTRIAL SCIENCE TECHNOLOGY COURSE

At the end of term 5 of the Industrial Science Technician course, students with special ability are chosen for the technology course, which provides additional training in subjects related to the processing industries. Technologists with experience should eventually fill managerial posts in various industries.

Course Subjects

Chemistry, Physics, Technical Drawing, Mechanical Skills, Mathematics, Communication Skills, Biology, Strength of Materials, Electrical Engineering, Instrumentation, Photography, Fluid Mechanics, Industrial Safety, Principles of Chemical Engineering, Management Subjects, Electronics, Instrumental Analysis, Engineering Thermodynamics, Work Study and Industrial Projects.

BUSINESS STUDIES DEPARTMENT

The Department offers two programmes of study - Certificate in Accounts and Business Studies and a Diploma in Business Studies, with specialization in four areas: Accountancy, Marketing, Personnel Management and Business Administration.

Students are prepared for the changing situation in Zambian business affairs and emphasis is placed on the practical problems that will be encountered.

CERTIFICATE IN ACCOUNTS AND BUSINESS STUDIES

The certificate programme is of 2 years duration. The graduates will constitute the staff at support levels of management, viz. Accounts Assistants, Ledger Clerks, and Cashiers.

Course Subjects

Book-keeping, Elementary Economics, General Principles of Law, Communication Skills, Commerce, and Office Organization.

THE DIPLOMA COURSE

The Diploma in Business Studies is a 3 year programme. After a year of common courses, students are streamed into four specialised areas: Accountancy, Marketing, Personnel Management or Business Administration.

The first year programme is broad enough to permit a student to make a knowledgeable decision about his area of specialization.

On completion the diploma graduate is qualified to enter functional or mid-management levels of industry rising to Senior Management after gaining experience.

DIPLOMA IN ACCOUNTANCY

Possible positions in industry after graduation are Accounts Assistant, Sub-Accountant, Audit Assistant.

Course Subjects

Business Mathematics, Accountancy, Mercantile Law, Economics, Costing, Data Processing, Taxation, Auditing & Management Accounting.

DIPLOMA IN MARKETING

Possible positions after graduation are Marketing Assistant, Marketing Manager, Area Manager.

Course Subjects

Principles of Marketing, Distribution, Marketing Planning & Forecasting, Economics, Mercantile Law, International Marketing, Marketing Research, Marketing Management & Organisation, Sales Management and Marketing Communications.

DIPLOMA IN PERSONNEL MANAGEMENT

Possible positions after graduation are Personnel Assistant, Personnel Officer, Recruitment Officer, Welfare Officer.

Course Subjects

Management Organisation & Development, Labour Law, Industrial and Social Psychology, Manpower Development Education & Training, Introduction to Costing.

DIPLOMA IN BUSINESS ADMINISTRATION

Possible positions in industry after graduation are Market-Research Officer, Assistant Manager.

Course Subjects

Management Organisation & Development, Management Accounting, Data Processing, Management Science, Mercantile Law, Company Law, and Economics.

CONSTRUCTION DEPARTMENT

The Construction Department has well equipped laboratories that ensure adequate practical training along with theoretical lectures. The Department provides training in Construction technician and technology courses in different disciplines.

The department also provides instruction for courses of other departments in subjects such as Mechanical Engineering, Drafting, Industrial Safety, Fluid Mechanics, Materials and Processes.

CONSTRUCTION TECHNICIAN COURSE

This Technician programme is designed to prepare students for employment in all fields connected with the Construction Industry. The training imparted is broad based, as may be seen in the course subjects listed and students on graduation can be gainfully employed in the City Councils, Government Departments and Private Organisations.

Course Subjects

Communication Skills, Technical Mathematics, Physics, Applied Mechanics, Building-Materials, Construction and Inspection, Construction Organisation, Specification and Contracts, Estimating, Land Surveying, Engineering Drawing, Topographical Drafting, Architectural Design & Drafting, Mechanical & Electrical Services, Municipal Engineering, Highway Engineering Management, Industrial Relations and Projects on Highway - Surveys and other course work subjects.

TECHNOLOGY COURSES

(a) ARCHITECTURE: This course is designed to produce a technologist to fit in the middle management in his field. A graduate is capable of handling a medium sized building project in design, drafting and preparation of working drawing, and architectural supervision of the project.

Graduates find employment in Government Departments, Parastatal Organisations, City Councils, Architectural Firms, Consultant Organisations, Building and Civil Engineering Contracting Firms etc.

Course Subjects

The common core subjects are Communication Skills, Technical Mathematics, Physics, Applied Mechanics, Building Materials and Construction, Land Surveying, Topographical Drafting, Engineering Drawing, and special subjects are Advanced Building Construction, Reinforced Concrete Design, Steel Design, Timber Design, Site Management, Inspection & Supervision, Financial Management, Estimating, Valuation, Housing, Mechanical & Electrical Services, History of Architecture, Architectural Practice, Real Estate Legislation, Principles of Town Planning, Architectural Design & Drafting. Three projects are included, namely, an Estimating Project, a Design Project and the final one being the completion of the Design Project in all its aspects.

(b) CIVIL ENGINEERING: This course is designed to produce a technologist to fit in the middle management level in the fields of Building Construction, Municipal Engineering, and Highway Engineering. In addition to these specialised fields, emphasis is laid on land survey techniques for the civil engineer. Students are also made familiar with the principles of management and administration.

Course Subjects

The common core subjects are Communication Skills, Technical Mathematics, Physics, Applied Mechanics, Building Materials and Construction, Land Surveying, Topographical Drafting, Engineering Drawing, and special subjects are Advanced Building Construction, Structure - R.C. Steel & Timber Design, Estimating, Measurement of Civil Engineering Works, Inspection & Safety, Specifications, Water Supply and Sewerage, Irrigation and a Surveying Project. An Estimating Project, a Public Service Project and a Structural Project, are also done.

(c) QUANTITY SURVEYING: This course is designed to produce a technologist capable of working on his own in small organisations and as a Senior Assistant to the professional in larger concerns. Graduates after four to five years work experience should aspire to obtain professional status.

Course Subjects

The common core subjects are Communication Skills, Technical Mathematics, Physics, Applied Mechanics, Building Materials and Construction, Land Surveying, Topographical Drafting, Introduction to Municipal Engineering, Highway Engineering, Reinforced Concrete Design, Soil Mechanics. Special subjects are Economics, Building Law, Building Inspection, Measurement of Building Works, Measurement of Civil Engineering Works, Contract Management, Cost Planning, Materials Specification, Practice and Procedure, Rate Analysis and two Projects.

(d) LAND SURVEYING: This course is designed to train the student in Land Surveying with the ability to use a variety of measuring equipment. Emphasis is laid on the practice and procedure adopted in Zambia, and the student is introduced to Zambian Land Survey Laws and Regulations.

Course Subjects

The common core subjects are Communication Skills, Technical Mathematics, Physics, Applied Mechanics, Building Materials and Construction Engineering Drawing, Architectural Drafting. Special subjects are Calculus, Spherical Trigonometry, Solid Geometry, Electronics, Photogrammetry, 1st, 2nd & 3rd Order of levelling, 1st, 2nd & 3rd Order Traversing, EDM Measurement, Geodesy, Field Astronomy, Map Projections, Map Production & Reproduction, Contour Surveys, Highway Surveys, Municipal Surveys, Hydrographic Surveys, Underground Surveys, Land Registration and Projects on Engineering Surveys, Cadastral Surveys, and Field Astronomy.

(e) TOWN AND COUNTRY PLANNING: This course is designed to produce qualified personnel for the Town & Country Planning Department, and for the City Councils. The course is not run as frequently as the others as the scope for employment is relatively restricted.

Course Subjects

The common core subjects are Communication Skills, Technical Mathematics, Physics, Applied Mechanics, Building Materials and Construction, Land Surveying. Topographical Drafting, Engineering Drawing and special subjects are Statistics, Linear Programming, Historical Development of Human Settlements, Urban-Geography, Sociology, Economics and Services, Land Economy and Management, Housing, Traffic and Transportation, Ecology, Demography, Principles of Regional Planning, Legislation, Real Estate Valuation and three major projects.

ELECTRICAL, ELECTRONICS, TELECOMMUNICATIONS AND INSTRUMENTATION DEPARTMENT

This department offers a variety of electrical, electronics, telecommunication and process instrumentation programmes at technology and technician levels.

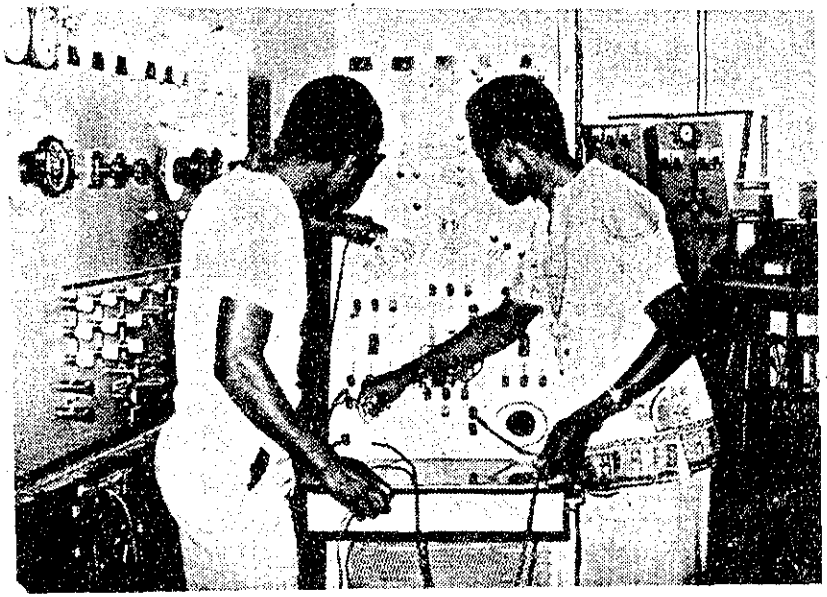
Opportunities for students to gain extensive practical experience geared to industry, in well equipped laboratories, are offered by the department. A considerable part of the total study time is devoted to the practical learning approach.

The Programmes are designed to fill the manpower requirements of diversified Zambian Industries. Graduates will be able to perform a wide variety of duties in electrical, electronics, telecommunications and process instrumentation disciplines.

ELECTRICAL TECHNICIAN COURSE

This programme trains the student for positions at technician level in electrical supply, distribution and service industries.

Graduates of this course will be able to perform installations, maintenance, trouble shooting and operation duties on a wide variety of electrical equipment system.



Course Subjects

Communication Skills, Mathematics, Physics, Workshop Skills, Electrical Machines and Drives, Control and Protection Theory, Electronics, Instrumentation, Engineering Drafting.

ELECTRICAL TECHNOLOGY COURSE

Graduates from this course will be able to perform Junior Engineering duties as required by the electrical control, protection, instrumentation and distribution industries. The graduates will have the skills and attitudes to fill supervisory positions in modern industry.

Course Subjects

The same subjects as for the electrical technician course, but more advanced and with the addition of:

Supply Engineering, Protective Relaying, Supervisory Control, Carrier and Distribution, Computer Basics and Logic Switching, Industrial Electronics, Electro-Chemistry.

ELECTRONICS TECHNICIAN COURSE

This course trains the student in the skills required by the Electronics and manufacturing industry. Installation, operation, trouble shooting and maintenance of a wide variety of electronic equipment and systems as used by suppliers, users and manufacturers of electronic equipment, control and manufacturing industries, and radio and television broadcasting and related industry.

Course Subjects

Communication Skills, Mathematics, Physics, Workshop Skills, Electrical Theory, Electronics and Instruments, Radio and Communication, Television, Computer

Fundamentals and Applications, Engineering Drafting, and Industrial Electronic Controls.

ELECTRONIC TECHNOLOGY COURSE

Graduates from this course will acquire an intensive knowledge of electronics to be able to fill supervisory and more advanced support engineering functions.

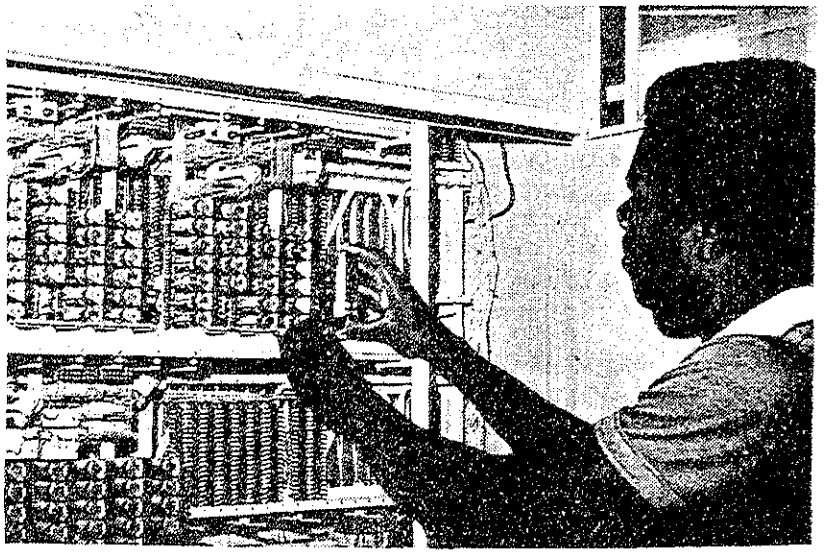
Course Subjects

The same subjects as for the electronic technician course but more advanced with the addition of:

Pulse Techniques, Propagation and Antenna Theory, Control Systems, Microwave, Sound and Television Broadcasting.

TELECOMMUNICATIONS TECHNICIAN COURSE

The course is designed to train students for positions in the communications industry. The G.P.O., the Railways and suppliers of telecommunication equipment could be the employers of graduates. Duties could include installation, commissioning, trouble shooting and maintenance of a wide variety of telecommunication equipment.



Course Subjects

Communication Skills, Mathematics, Physics, Workshop Skills, Electrical Theory, Electronics and Instruments, Radio and Telecommunication, Transmission and Multiplex, Electro-Mechanisms, Engineering Drafting, Telephone Techniques, Control and Switching.

TELECOMMUNICATION TECHNOLOGY COURSE

Technologists graduating from this course will be able to perform duties at junior engineering levels and will be able to fill supervisory positions coping with advanced techniques.

Course Subjects

Same subjects as for the Telecommunications Technician course but more advanced and with the addition of:

Network Planning, Nuclear Physics, Pulse Techniques, VHF and UHF, Computer Basics and Applications, Antennas, Microwave Systems, Industrial Relations.

PROCESS INSTRUMENTATION TECHNICIAN COURSE

Graduate technician will be able to install, maintain, trouble shoot, adjust and operate pneumatic, hydraulic and electronic instruments, controls and systems as used in the processing industry. Industrial loop systems as used in industry will be practically and theoretically commissioned and set up. Technicians will be prepared to perform duties in the mining and processing industry, as well as equipment suppliers.

Course Subjects

Communication Skills, Mathematics, Physics, Workshop Skills, Electrical Machines and Drives, Electronics and Instruments, Electro-Mechanisms, Control and Protection, Engineering Drafting, Materials Engineering, Relay Techniques.

The minimum entrance requirements for all courses will be credits in English, Mathematics and Physics or Physical Science. For the Process Instrumentation Technician course an additional credit in Chemistry is required. In some cases passes in the mentioned subjects may be considered.

All courses have industrial breaks between some terms to give the student opportunity to gain experience in industry during the study periods.

MINING DEPARTMENT

The Department offers courses in four areas of study - Mining, Ventilation, Surveying and Metallurgy. Survey and metallurgy are to technician and technology levels, while mining and ventilation are currently to the technician level. However, technology courses in Mining and Ventilation will commence in the future, as and when required. The first two terms of the technician courses are common to all four courses, the major emphasis being on academic subjects. The remaining terms are related to specialised field of study.

On completion, the graduate of each course will have a sound knowledge of the subject he has chosen, so that when he finally goes into the Industry, this knowledge, coupled with industrial experience, should take the student who is prepared to work into a successful future.

The Mining Department works closely with the MIMSU of CISB and other Mining and allied industries in Zambia. The placement of students in industry during industrial breaks and after graduation has not been a major problem in the past and it is hoped that this liaison with the industry will continue in future.

Provision of extensive laboratory facilities has been planned and most laboratories are in various stages of completion, the most complete areas being Metallurgy and Surveying.

MINING TECHNICIAN COURSE

Possible positions in industry after graduation are Shift Boss and Mine Captain.

Course Subjects

Mathematics, Physics, Chemistry, Communication Skills, Technical Drawing, Engineering Drawing, Engineering Science, Geology, Metallurgy, Surveying, Management & Organisation, Electrical & Mechanical Engineering.

Mining includes: Operation and Methods of Mining, Ventilation, Drilling, Transport, Strata Control and Ground Support, Shaft, Open Pit Mining, Mining Regulations, Mine Planning and many other aspects of Mining.

MINE METALLURGY TECHNICIAN COURSE

Possible position in industry after graduation is Metallurgical Plant Supervisor.

A section of metallurgy lab.

Course Subjects

Mathematics, Metallurgy, Physics, Mineral Engineering, Chemistry, Properties & Application of Materials, Foundry Technology, Communication Skills, Technical Drawing, Materials Handling, Geology, Hydrometallurgy, Surveying & Drafting, Pyrometallurgy, Management & Organisation, Refractory & Furnace Design, Electrical & Mechanical Engineering, Industrial Chemical Analysis.

MINE SURVEYING TECHNICIAN COURSE

Possible positions in industry after graduation are Assistant Surveyor, Sectional Surveyor.

Course Subjects

Mathematics, Physics, Chemistry, Communication Skills, Technical Drawing, Geology, Metallurgy, Mining, Engineering Science, Management & Organisation, Drafting.

Mine Surveying includes: The full range of basic surface survey, i.e. Triangulation, Curves, Traversing, Tacheometry, Plan Completion, Levelling, Quantities etc., plus Specialised Mining Techniques e.g. Underground lines, grades, Correlations etc.

MINE VENTILATION TECHNICIAN COURSE

Possible positions after graduation are Ventilation Assistant, Ventilation Officer.

Course Subjects

Mathematics, Physics, Chemistry, Communication Skills, Technical Drawing, Surveying & Drafting, Mining, Metallurgy, Geology, Engineering Science, Electrical & Mechanical Engineering, Management & Organisation.

Mine Ventilation includes: Natural, Fan and Auxiliary Ventilation,

Air Flow and Distribution, Refrigeration, Ventilation Planning - Mining Regulations, Dust and Fire Control, Mine Gases, Heat, Ventilation Practice and Related Calculations.

MINE METALLURGY TECHNOLOGIST COURSE

After graduation, possible positions are in the higher technical and management areas of Metallurgical Industry.

Course Subjects

Chemical Principles of Metallurgy, Mathematics, Computer Science, Process Control Instrumentation, Management for the Mining Industry, Economics for the Mining Industry, Mineral Engineering, Hydrometallurgy, Pyrometallurgy, Metallurgical Calculations, Process Metallurgy, Project.

MINING SURVEY TECHNOLOGIST COURSE

Possible positions in industry after graduation are in the higher technical areas of surveying.

Course Subjects

Mathematics, Physics, Survey, Instrumentation, Theory of Observation, Advanced Surveying, Advanced U/G Surveying, Electronic Surveying, Field Astronomy, Photogrammetry, Computer Programming, Mining, Economics, Geology.

SECRETARIAL AND EXTENSION STUDIES DEPARTMENT

The Department offers two full-time courses - Shorthand/Typist course and Clerk/Typist course. The Extension Studies section of the Department runs part-time evening classes in certain academic, secretarial and business studies subjects.

SHORTHAND/TYPIST COURSE

The graduates are prepared for the Department of Technical Education and Vocational Training Shorthand and Typist National Examinations, and for Pitman's Examination Institute. They are employed as Stenographers in Government Institutions and in the private sector.

In Office Practice Class

Course Subjects

Shorthand (Pitman), Typewriting, Office-Practice, Commercial English.

CLERK/TYPIST COURSE

These graduates are prepared for the Department of Technical Education and Vocational Training Clerk-Typist National examinations and also for the various commercial examinations of the Pitman's Examination Institute, and are employed as copy typists, filing clerks in various Government Institutions and in Commerce and Industry.

Course Subjects

Typewriting, Office Practice, Commercial English.

EXTENSION STUDIES SECTION

The Section offers a wide range of subjects. Students are prepared for the Department of Technical Education and Vocational Training examinations, Pitman's examinations, Institute of Purchasing and Supply examinations and certain General Certificate of Education 'O' levels and 'A' levels.

At the time of going to press, the following courses are in operation:

Certificate in Accounts and Business Studies,
Certificate in Personnel Administration, Part A,
Advanced Bookkeeping (Pitmans),
Certificate in Stores Supervision (IPS),
Advanced Certificate in Stores Supervision (IPS),
Elementary Typing,
Intermediate Typing,
Advanced Typing,
Office Practice,
Commercial English,
Shorthand Theory,
Shorthand Speed (50 - 100 wpm).

G.C.E. 'O' LEVEL in English Language, Mathematics, Economics, Commerce, and Principles of Accounts.

G.C.E. 'A' LEVEL in Mathematics, Economics, and Physics.

Information regarding entry requirements, course fees and examination schedules etc., can be obtained from the Senior Lecturer (Extension Studies).

INSTITUTE ADMINISTRATION

PRINCIPAL

M K De Beer M Sc (Electrical Eng) Mem IEEE

VICE-PRINCIPAL

E Ngoma Dip Tech Ed B A with Ed

SENIOR REGISTRAR

M J Mumbati M I M S M I A M M I S M

REGISTRAR

A P Chitsulo

STUDENT AFFAIRS OFFICER

P N Chelelwa

SENIOR BURSAR

B M Chisenga

CATERING OFFICER

A L Nonde Dip Catering

SENIOR STORES OFFICER

J B Chilima

SECURITY OFFICER

S M Chungu

PLACEMENT OFFICER

B K Chifumbe

PRINCIPAL's SECRETARY

V Kayula (Miss)

SENIOR REGISTRAR's SECRETARY

J K Mumbi (Miss)

ACADEMIC AND INDUSTRIAL SCIENCE DEPARTMENT

HEAD OF DEPARTMENT

J S Chaudhry M Sc LL B

HEADS OF SECTION

L W Coburn C Eng M I Chem E
S Chandra M Sc B Ed MInst P

SENIOR LECTURERS

S R Monteiro (Mrs) M A B Ed
G C Taranjpe M Sc
A T Sabaratnam B Sc Dip Ed Ac Dip

LECTURERS

A S Birdi M Sc P C E
M A Butt M Sc
K K George B Sc P C E
B John B Sc B T
C Kasula Dip Pol Sc
J T Koleth B Sc M B A Dip S S A
T Kooma Dip(Ind Sc)Tech Tech Tr Dip (on study leave)
A R Lapham B A Cert Ed M Ed
R N Lewis M Sc
G C Lusanga B Sc (Ed)
J P Mathew M Sc
F W Ntengwe (on study leave)
S A Quadri M Sc
T S Salim Nat Dip Tech
A I Sharp B Ed (Hons) M Ed Cert Ed TEFL
D Shields B Sc Q M C
B Singh M Sc
M Varjangbhay B Sc (Hons)
C Woodhall B Sc M A M Sc Dip S

BUSINESS STUDIES DEPARTMENT

HEAD OF DEPARTMENT

A S N D Pillai B Com H C C I B K (Lond)

SENIOR LECTURER

S K Kulkarni B A (Hons) M A (Econ) LL B

LECTURERS

K K Chadha M Com A C A
V P Choudhary B Com (Hons) M Com LL B I C S (Int)
A M Haque B A (Hons) Econ M A (Econ)
H Mwape Dip Ed A C C A
S Ndhlovu Cert Comp Prog Tech Tr Dip
F Nyambe Cert Comp Prog Tech Tr Dip
J C Paul M Com H D C A C E A
J Sharp (Mrs) Comp Prog Techn
S R Tembo CABS Tech Tr Dip
A A Varghese M Com LL B A C I S Dip Bus Admn

CONSTRUCTION DEPARTMENT

HEAD OF DEPARTMENT

A M Cumaraswamy B Sc Tripos Part II Cambridge (Survey and Geodesy) FIS MISZ

SENIOR LECTURERS

A Ahmad B Sc BE (Civil) MIE Dip (T E)
Y K Jayaramu B E M E (C E) MEIZ AMIE
B Marland Dip (Arch) M Sc Member RIBA
B P Misra Dip Arch B Arch M C P AIIA AITP

LECTURERS

J Brolund B Sc (Eng) MCIF
A Chongo Adv Techn Cert Dip Tech (Arch) Tech Tr Dip (on study leave)
D I Graham B Sc (Survey Geog) MISZ

C Hampande Dip Tech (Civ Eng) Tech Tr Dip
Dip Tech (Canada) (on study leave)
V D Khatri B E (C E) · M E (St E) C Eng.
G Mabula Dip Tech (Arch) Tech Tr Dip (on study leave)
G Malenga Dip Tech (Arch) Tech Tr Dip
Dip Tech (NAIT)
G Mwangana C & G Mech Part I Tech Tr Dip
Z A F Nenzou Adv Techn Cert (Mech) Tech Tr Dip
O O Onyeama HNC LICW LIOB LIAAS (England)
V M Phiri Dip Tech (Civ Eng) Tech Tr Dip
MIHE (London)
K B Sen B Sc (Eng Mech) AIIE

ELECTRICAL, ELECTRONICS, INSTRUMENTATION AND TELECOMMUNICATIONS DEPARTMENT

HEAD OF DEPARTMENT

L D Simpito NAIT Dip Teachers Dip C & G FTC

SENIOR LECTURERS

M Islam M Sc

LECTURERS

R Akekelwa Dip Tech (NAIT) Tech Tr Dip
F S Banda C & G Final Cert (Electrical
J M Bangili Dip Tech (Cambrian) Teachers' Dip
C & G FTC
M N G Chimba R E T S Dip Adv Techn Cert
(Electronics) Tech Tr Dip
E Daka C & G Final Cert (Telecom)
K C George B Eng
N J Mawani B Sc (Eng)
D D D Mbewe Dip Tech (Telecom)
K Mulenga Dip Tech (Telecom)
D Mwaba Dip Tech (Telecom) Dip Tech (NAIT)
A F L Mwape Dip Tech (Electronics) (UGOSL)
I M Patel B Sc (Eng)
F H Richards H N C
F K Sauti Dip Tech (Electrical) (NAIT)
S B Shitimali Dip Tech (Electronics) (Cambrian)
A P Twyman H N C

INSTRUCTION RESOURCES DEPARTMENT

LIBRARIANS

M C Banda Dip Lib & Info Tech (Alta) Cert A/V & Reprog (Alta) Dip Lib Studies (UNZA)
N Chinza (Mrs) B A with Lib Studies (UNZA)
E M Chitwamali Dip Lib Studies (UNZA)

LIBRARY OFFICER

N T Prabhu B A

ASSISTANT LIBRARY OFFICERS

E Mulunga Cert Lib Studies (Mindolo)
M M Shonga Cert Lib Studies (Mindolo)

MINING DEPARTMENT

HEAD OF DEPARTMENT

S H Majid B Sc Dip Met Min C Eng M I M M
M I Min E C M M Cert Tech Ed

HEAD OF SECTION

J Sudworth Cert Min Surv

SENIOR LECTURER

W Chaudhary B Sc C Eng M I Min E C C M

LECTURERS

F Mwansa Adv Techn Cert Tech Tr Dip (on study leave)
J Nkweto Adv Techn Cert Tech Tr Dip (on study leave)
J Sammalisto M Eng (Min)

SECRETARIAL AND EXTENSION STUDIES DEPARTMENT

HEAD OF DEPARTMENT

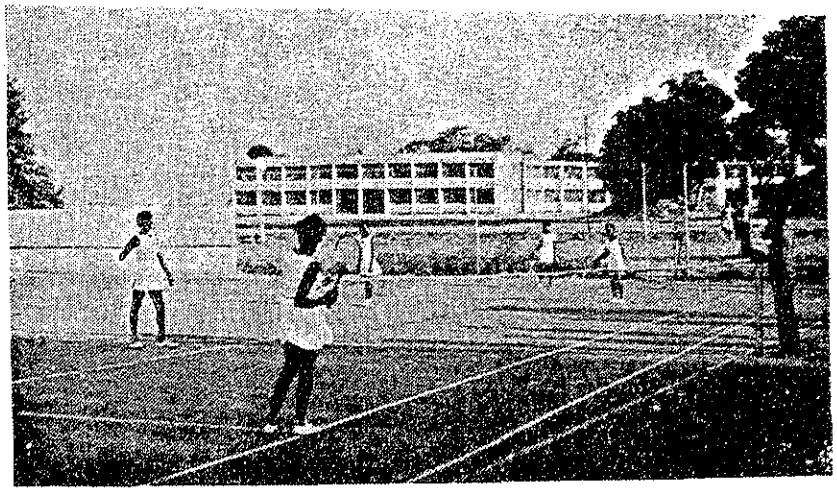
R B Mathur M Com

SENIOR LECTURERS

J Kashoki (Mrs) B Sc (Business Studies)
C L Mulundano Dip Exec Sec Dip Com Teacher

LECTURERS

A K Aikat M A B T C A L T E
D L Chingobe Dip Com Teacher
S S Kabika Dip Com Teacher
S M Kateka Dip Com Teacher
B C Malambo Dip Com Teacher
S Muchimba B A (Ed) Teacher's Dip
T K Mwansa Dip Com Teacher
C M Siakakole Teacher's Dip
I Singh M A (Pitmans S/T)



Some of the Recreation Facilities