



PETROLEUM TRAINING INSTITUTE

Admission Prospectus

2013/2014 SESSION





Front View of Administrative Block

Vision Statement

TO BECOME THE LEADING
OIL AND GAS TECHNOLOGICAL
INSTITUTE IN AFRICA



Mission Statement

TO PROVIDE COMPETENT
TECHNOLOGICAL MANPOWER
THROUGH QUALITY TRAINING
RESEARCH AND CONSULTANCY
FOR THE PETROLEUM
AND ALLIED INDUSTRIES.

FOREWORD

The Petroleum Training Institute was set up by Act No. 37 of 1972, which was amended by Act No. 52 of 1975 to provide courses of instruction, training research in oil technology and to produce technicians and such skilled personnel normally required for oil production. To arrange conference, seminars, and study groups related to the field of learning specified above, and to perform such functions as in the opinion of the council may serve to provide the objectives including making regulations as may be necessary for entry into any type of courses approved by the Institute.

In keeping with the PTI mandate to develop the human capital for the oil and gas industry in Nigeria, the Institute is pleased to present its prospectus for the 2013/2014 session.

PTI core training programmes include:

1. Electrical Engineering
2. Instrumentation and Control
3. Electronics and Telecommunications
4. Power and Machine
5. Petroleum Engineering
6. Mineral Resources Engineering
7. Petroleum and Natural Gas Processing Technology
8. Mechanical Engineering
9. Manufacturing Technology

10. Power Plant Technology
11. Welding Engineering
12. Commercial Diving I & II
13. Industrial Safety and Environmental Technology
14. Petroleum Marketing and Business Studies
15. Science Lab Technology

A good number of these programmes have been repackaged to meet the new challenges of the industry. In all a total of 24 programmes covering the entire spectrum are available for you to take advantage of. The Institute has a supportive environment which creates an enabling learning atmosphere. A crop of seasoned lecturers and instructors with wide and varied experience in Oil and Gas Industry are on ground to take students through the various courses. All training programmes are conducted in a safe and conducive atmosphere using state of the art facilities. The Institute since inception, has turned out many technologists, technicians and other technical personnel trained in diverse field relevant to the oil and gas industry.

Welcome to our world of Excellence.

Mrs. N. C. Dennar
*Ag. Principal / Chief Executive
Petroleum Training Institute*



The Minister of Petroleum Resources, Mrs. Diezani Alison-Madueke, Chairman, PTT Governing Council/Director, DPR, Osten Olorunsola and Ag. Principal PTT, Mrs. Nnenna C. Dennar at the PTT Exhibition stand during the HSC Conference on Oil & Gas Companies in Nigeria.

ADMISSION PROSPECTUS

1.0 ADMISSION INTO PETROLEUM TRAINING INSTITUTE (PTI) FOR THE 2013/2014 SESSION

The Petroleum Training Institute (PTI) invites applications from suitably qualified candidates for admission for the 2013/2014 Session into the under-mentioned PTI Higher National Diploma, National Diploma and Certificate full time programmes.

2.0 PROGRAMMES AVAILABLE IN PETROLEUM TRAINING INSTITUTE

(A) PTI/HIGHER NATIONAL DIPLOMA PROGRAMMES

- (1) **Petroleum Engineering and Geosciences Department**
Petroleum Engineering (HND).
- (2) **Petroleum and Natural Gas Processing Department**
Petroleum and Gas Processing Engineering Technology (HND)
- (3) **Mechanical Engineering Department**
Mechanical Engineering
Options: (i) Manufacturing Engineering Technology
(ii) Power/Plant Engineering Technology.
- (4) **Electrical/Electronic Engineering Department**
Electrical/Electronic Engineering Technology
Options: (i) Instrumentation and Control (HND)
(ii) Power and Machines (HND)
(iii) Electronics/Telecommunications (HND)
- (5) **Petroleum Marketing and Business Studies Department**
Petroleum Marketing Technology.

(6) Industrial Safety and Environmental Technology Department

- Options:** (i) Science Laboratory Technology(Chemistry) HND
(ii) Industrial Safety Technology
(iii) Environmental Technology

(7) Welding Engineering and Offshore Technology Department

Welding and Fabrication Engineering Technology-(HND)

(B) NATIONAL DIPLOMA PROGRAMMES**(1) Petroleum Engineering and Geosciences Department**

- (i) Petroleum Engineering
(ii) Mineral Resources Engineering

(2) Petroleum and Natural Gas Processing Department

Petroleum and Gas Processing Engineering
Technology.

(3) Mechanical Engineering Department

Mechanical Engineering Technology

(4) Electrical/Electronic Engineering Department

Electrical/Electronic Engineering Technology

(5) Petroleum Marketing and Business Studies Department

Petroleum Marketing and Business Studies.

(6) Industrial Safety and Environmental Technology Department.

- (i) Science Laboratory Technology
(ii) Industrial Safety and Environmental Technology

(7) Welding Engineering and Offshore Technology Department

Welding and Fabrication Engineering Technology.

(C) CERTIFICATE PROGRAMMES

- (i) General Welding
(ii) Commercial Diving (Class I and Class II).

ADMISSION PROSPECTUS

3.0 FULL TIME PROGRAMMES AND DURATION

- | | |
|--|-----------------------------|
| (a) Higher National Diploma Programmes | - Two (2)
Academic Years |
| (b) National Diploma Programmes | - Two (2)
Academic Years |
| (c) Certificate Programmes | |
| (i) General Welding | - One (1)
Academic Year |
| (ii) Commercial Diving | - Six (6) Months |

4.0 PART-TIME (ICE WEEKEND) PROGRAMME AND DURATION

- | | |
|-----------------------------------|----------------------------|
| Higher National Diploma Programme | - Three (3) Academic Years |
| National Diploma Programmes | - Three (3) Academic Years |

5.0 CONDITIONS FOR ADMISSION

5.1 HIGHER NATIONAL DIPLOMA PROGRAMMES

Admission of eligible candidates will be by interview which will be conducted by the Petroleum Training Institute.

5.1.1 ENTRY QUALIFICATIONS

Applicants must possess the following minimum entry qualification - PTI Diploma or National Diploma (ND) relevant to the applicant's Higher National Diploma programme with an overall Grade of C or Lower Credit, and not less than one year post-qualification cognate industrial work experience, or minimum of pass grade with at least two years post-qualification cognate industrial work experience.

5.1.2 APPROVED RELEVANT DIPLOMA QUALIFICATIONS FROM NBTE ACCREDITED POLYTECHNIC FOR ADMISSION INTO HIGHER NATIONAL DIPLOMA PROGRAMMES.**I. ELECTRICAL/ELECTRONIC ENGINEERING TECHNOLOGY**

- (i) National Diploma in Electrical/Electronic Engineering.

II. ENVIRONMENTAL TECHNOLOGY

- (I) National Diploma in Industrial Safety
- (ii) National Diploma in Industrial Safety and Environmental Technology.
- (iii) National Diploma in Environmental Science
NOT Environmental Design or Regional Planning Studies
- (iv) National Diploma in Chemical Laboratory Technology or Science Laboratory Technology

III. INDUSTRIAL SAFETY TECHNOLOGY

- (I) National Diploma in Industrial Safety.
- (ii) ND in Industrial Safety and Environmental Technology.
- (iii) National Diploma obtained from Petroleum Training Institute in any of the following:
 - (a) Petroleum Engineering;
 - (b) Petroleum and Gas Processing;
 - (c) Mechanical Engineering
 - (d) Electrical/Electronic Engineering Technology.

IV MECHANICAL ENGINEERING TECHNOLOGY

ADMISSION PROSPECTUS

- (i) Diploma in Mechanical Engineering or Mechanical Technicians
- (ii) National Diploma in Mechanical Engineering
- (iii) National Diploma in Related Mechanical Engineering Option.

V. PETROLEUM ENGINEERING TECHNOLOGY

- (i) Diploma in Petroleum Engineering, Mineral Resources Engineering.
- (ii) ND in Petroleum Engineering, Mineral Resources Engineering and Petroleum and Natural Gas Processing Engineering Technology.

VI. PETROLEUM AND NATURAL GAS PROCESSING ENGINEERING TECHNOLOGY

- (i) Diploma in Petroleum Refining Technology/National Diploma in Petroleum Refining Technology.
- (ii) National Diploma in Process Plant Operation.
- (iii) National Diploma in Utilities Plant Operation.
- (iv) Diploma in External Plant Operation/National Diploma.
- (v) National Diploma in Petrochemical Plant Operation
- (vi) National Diploma in Gas Plant Operation
- (vii) National Diploma in Petroleum Processing Technology/ND in Petroleum & Gas Processing Engineering.
- (viii) ND in Chemical Engineering

VII. PETROLEUM MARKETING TECHNOLOGY

- (i) National Diploma in Petroleum Marketing and Business Studies.
- (ii) National Diploma in Petroleum Marketing and Business Studies.
- (iii) National Diploma in Petroleum Products Marketing.
- (iv) National Diploma in Business Studies i.e
 - Business Administration
 - Management Science

- Marketing
- Accounting
- Financial Studies

With at least a pass in Chemistry in WASC/SSCE, GCE (WAEC or NECO)

VIII. SCIENCE LABORATORY TECHNOLOGY

OPTION: CHEMISTRY

- (i) National Diploma in Chemical Laboratory Technology
- (ii) ND in Science Laboratory Technology
- (iii) National Diploma in Petroleum Refining Technology
- (iv) National Diploma in Petroleum Processing Technology.

IX. WELDING AND FABRICATION ENGINEERING TECHNOLOGY

- (i) National Diploma in Welding and Fabrication Engineering Technology.
- (ii) National Diploma in Metallurgical Technology

5.2 NATIONAL DIPLOMA PROGRAMMES:

Admission will be by entrance examination conducted by the Petroleum Training Institute. Applicants must possess the minimum entry qualifications stated below.

5.2.1 ENTRY QUALIFICATIONS:

- (a) Petroleum Engineering Technology
Mineral Resources Engineering Technology
Petroleum and Natural Gas Processing Engineering Technology
Mechanical Engineering Technology.
Electrical/Electronic Engineering Technology and
Industrial Safety and Environmental Technology Programmes.

- (i) GCE O/Level, WASC or SSCE (WAEC or NECO) with Credit passes in four (4)

subjects at not more than two sittings, which should include Mathematics, Physics, Chemistry and any one of the following Science subjects, Biology, Geography, Agricultural Science, Technical Drawing, Statistics, Further Mathematics, Basic Electronics, Applied Electricity and Metal Work, plus at least a pass in English Language, or

- (ii) National Technical Certificate relevant to the Diploma programme of the applicant with credit passes in Mathematics, Physics, Chemistry and any other related subject plus at least a pass in English Language, or
- (iii) National Business and Technical Examination Board (NABTEB) with credit passes in four (4) subjects which include Mathematics, Physics with Chemistry, Mechanical Engineering Practice or Metal Work and any other Science or Social Science subject plus at least a pass in English Language. (ND-Mechanical Engineering Programme only).
- (iv) National Business and Technical Examination Board (NABTEB) with credit passes in four (4) subjects which should include Mathematics, Physics with Chemistry, and any two Electrical subjects or Mathematics, Physics, Chemistry and any one Electrical subject plus at least a pass in English Language. (ND - Electrical/Electronic Engineering Technology programme only).

In addition to (ii), (iii) and (iv) above, candidate should pass the trade component/subjects relevant to the programme.

- 5.2 (b) PETROLEUM MARKETING AND BUSINESS STUDIES TECHNOLOGY (ND)**
- (i) GCE O/Level, WASC, SSCE (WAEC or NECO) Credit passes in four (4) subjects which must include English Language, Mathematics and any two of the following subjects such as Economics, Business Methods, Commerce, History, Religious Knowledge, Accounting, Geography, Statistics and Government. At least a pass in Chemistry is compulsory.
 - (ii) National Business Certificate of NABTEB with credit passes in relevant

subjects. A pass in Chemistry is compulsory.

5.2.1 (c) SCIENCE LABORATORY TECHNOLOGY (ND)

- (i) GCE O/Level, WASC or SSCE (WAEC or NECO) with credit passes in four (4) subjects at not more than two sittings which must include Mathematics, Chemistry and any two subjects from the following; Physics, Biology or Agricultural Science, Economics, Geography, Technical Drawing, Wood Work and Metal Work. In addition, candidates must possess at least pass grade in Physics, Biology and English Language.
- (ii) National Technical Certificate in Chemical Laboratory Technology/Industrial Safety.

5.2.2 (d) WELDING AND FABRICATION ENGINEERING TECHNOLOGY (ND)

- (i) GCE O/Level WASC or SSCE (WAEC or NECO) with Credit passes in four (4) subjects at not more than two sittings which should include Mathematics, Chemistry, Physics, and any one of the following subjects, Technical Drawing, Biology or Agricultural Science, Further Mathematics, Statistics, Basic Electronics, Metal Work, Wood Work, Geography, Economics, plus at least a pass in English Language. **or**
- (ii) National Technical Certificate (NTC) Examination in Welding and Fabrication Craft Practice with credit passes in Mathematics, Welding Technology, Welding and Fabrication Practices, Technical Drawing or Integrated Science and at least a pass in English Language.
- (iii) National Business and Technical Examinations Board (NABTEB) with credit passes in four (4) subjects which should include Mathematics, Chemistry with Physics, Welding Practice, and any other Science or Social Science subject plus at least a pass in English Language.

5.3 GENERAL WELDING CERTIFICATE PROGRAMME

5.3.1 ENTRY QUALIFICATIONS

- (i) GCE O/Level, WASC or SSCE (WAEC or NECO) with ordinary passes in four (4) subjects at not more than two sittings which should include Mathematics, Chemistry, Physics, and any one of the following subjects; Further Mathematics, Statistics, Basic Electronics, Metal Work; Wood Work, Geography, Economics, plus at least a pass in English Language; or
- (ii) City and Guilds Intermediate Certificate in Welding.

5.4 COMMERCIAL DIVING CERTIFICATE (CLASS I AND CLASS II) PROGRAMME

5.4.1 CLASS I (SCUBA DIVING CERTIFICATE)

Duration: 18 weeks (admissions are done twice yearly)

5.4.2 ENTRY QUALIFICATIONS

- (i) SSCE, NECO and GCE O'level' with three credits which must include Mathematics, Physics and a pass in English Language plus Government Trade Test Certificate in Welding or Mechanical Engineering.
- (ii) HSE part IV and III certificate in SCUBA diving
- (iii) National Technical Certificate (NATEC) with three credits which must include Mathematics, Physics and a pass in English language.
- (iv) PTI General Welding Certificate
- (v) Intermediate C & G in Welding or Mechanical Engineering.
- (vi) Any other equivalent recognized certificate.

Candidates are expected to undergo a comprehensive medical examination and approved swimming test and interview.

5.4.3 CLASS II (SURFACE SUPPLIED DIVING CERTIFICATE)

Duration: 6 weeks

5.4.4 ENTRY QUALIFICATIONS

- (i) PTI class I diving certificate
- (ii) HSE part IV & III certificate in SCUBA diving
- (iii) Candidates with relevant offshore commercial diving experience who must have attained 50 metres depth.
- (iv) Any other equivalent recognized international certificate.
Candidates must present their diving logbooks.

6.0 DATE AND VENUE OF INTERVIEW FOR HIGHER DIPLOMA PROGRAMMES:

There will be interview for the Higher Diploma programmes which will be conducted at the Petroleum Training Institute, Effurun, Delta State from 3rd - 7th June, 2013. All candidates must report with the originals of their credentials for the interview. Time: 9.00 a.m. Daily.

7.0 DATE AND VENUE FOR ENTRANCE EXAMINATIONS FOR DIPLOMA AND GENERAL WELDING CERTIFICATE PROGRAMMES:

The entrance examinations for the Diploma and General Welding Certificate programmes will be held on Saturday, 22nd June, 2013 in all the Centres listed below. All candidates must write the examination in the Centre indicated in their application forms. **Time: 9.00 a.m.**

- (a) Petroleum Training Institute (PTI), Effurun.
- (b) Nigeria Navy Primary School, Ojo, Lagos.
- (c) NNPC Staff School (within NNPC Housing Complex) Kaduna.
- (d) Army Day Secondary School, Bori Camp, Port Harcourt.
- (e) Command Day Secondary School, Enugu.
- (f) Government Secondary School, Tudun Wada, Wuse Zone 4, Abuja.

ADMISSION PROSPECTUS

- (g) Jigawa State Polytechnic, Dutse.
- (h) Adamawa State Polytechnic, Yola.
- (i) Sokoto Teachers College (STC), Sokoto.

8.0 EXAMINATION NUMBERS FOR ENTRANCE EXAMINATION

Every Diploma and General Welding Certificate candidate is requested to take note that his/her application form number is the examination number for the entrance examination.

9.0 EXAMINATION IDENTITY CARDS

Candidates are expected to fill the enclosed examination cards and affix two recent passport photographs duly certified by the Principal of last School attended or a Senior Officer of a Government Organisation, Clergyman, or Justice of Peace (JP). Candidates, after completion of the identity cards, should return same with the completed admission forms to the sales officer who will initial them. Thereafter, the applicant would be issued one initial identity card, which he/she should bring to the examination center indicated in his/her admission form.

10.0 STRUCTURE OF THE ENTRANCE EXAMINATION FOR THE DIPLOMA AND GENERAL WELDING CERTIFICATE PROGRAMMES

The entrance examination consists of two parts both made up of multiple choice questions.

- (a) Part I consists of General paper questions which is compulsory for all candidates and will include English Language.
- (b) Part II consists of questions in the following subjects, Mathematics, Physics, Chemistry, and Business Studies. Candidates for Petroleum Engineering, Mineral Resources Engineering, Mechanical Engineering, Electrical/Electronic Engineering and Welding and Fabrication Engineering programmes are to answer questions in Mathematics and Physics, while those for Petroleum and Natural Gas Processing Technology, Science Laboratory Technology and

Industrial Safety programmes are to answer questions in Mathematics and Chemistry. Candidates for Petroleum Marketing and Business Studies are to answer questions in Mathematics and Business Studies. Any candidate who fails to answer questions in accordance with his or her choice of discipline as stated above will automatically be disqualified.

- (c) For General Welding candidates, Part II consists of Mathematics and Physics.

11.0 DATE AND VENUE OF INTERVIEW FOR COMMERCIAL DIVING CERTIFICATE

There will be interview for the Commercial Diving Certificate programme at the Petroleum Training Institute, Effurun, Delta State from 6th - 8th August, 2013. All candidates must report with the original certificate of their credentials for the interview.
Time: 9.00am Daily.

12.0 METHOD OF APPLICATION

Suitably qualified candidates for admission are required to pay a non-refundable fee of six thousand, eight hundred naira (N6,800.00) only, for PTI admission form for 2013/2014 academic session in any Zenith Bank Branch nationwide.

13.0 TO APPLY FOLLOW THE STEPS BELOW

Applicants are to collect a pin equivalent to the amount paid and log on to www.pti.edu.ng to proceed with their application. Candidates are to scan and upload recent coloured passport size photograph in JPEG format (not more than 15kb in size).

14.0 CLOSING DATE

Completed application forms should be addressed to the Registrar, Petroleum Training Institute, P.M.B. 20, Effurun, Delta State, and should be submitted to any of the Centres listed under 10.0 above **not later than 30th April, 2013.**

ADMISSION PROSPECTUS

15.0 CLOSING DATE

Online application closes on 30th April, 2013.

16.0 LATE APPLICATION FEES:

Request for late application forms will attract N700.00 surcharge per form in addition to N6,800.00 after the closing date of 30th April, 2013. Closing date for late application form is 31st May, 2013.

17.0 GENERAL INFORMATION / ENQUIRIES

For any other information and further enquiries, please contact:

THE REGISTRAR,
PETROLEUM TRAINING INSTITUTE,
P.M.B. 20, EFFURUN,
DELTA STATE,
NIGERIA.

or Visit: www.ptinigeria.org



A view of the PTI Conference Centre Complex



ELECTRICAL & ELECTRONICS ENGINEERING DEPARTMENT



PRESSURE PROCESS TRAINING SYSTEM

SUPERVISORY CONTROL AND DATA ACQUISITION SYSTEM (SCADA)



OIL DIELECTRIC TESTER



HYDRAULIC AND PNEUMATIC TRAINING SYSTEM



PROCESS RIG TRAINER

1.0 INTRODUCTION

Electrical Engineering was born soon after physicist began to understand electricity. Electrical and Electronic Engineering is fast becoming the largest engineering discipline with better competitive advantage. In addition, modern society largely depends on Electrical and Electronic Engineering.

- ⦿ Electrical Engineering Technologist with specialization in Power and Machines design and build electric generators, transformers, electric motors, and other high power equipments.
- ⦿ Those with specialization in Electronics and Telecommunications design and build radios, televisions, computers, and communication equipments.
- ⦿ And those with specialization in Instrumentations and Controls design and build instrumentation equipments, controllers and automatic control systems.

Modern domestic and industrial life largely rely on diverse electrical and electronic devices and equipments.

2.0 PROGRAMMES

Electrical and Electronic Engineering Department of the Petroleum Training Institute is one of the pioneering departments of the institute with good reputation in teaching both theory and hands-on application of Electrical and Electronic Engineering Technology relevant to the demand of Oil and Allied industries.

- (i) Higher National Diploma (HND), Electrical and Electronic Engineering Technology Programmes: These programmes are highly challenging especially for the formation of young technologists, whose aspirations are to make things happen in Oil and Allied industries.

The programmes are concentrated on the following areas:

Power and Machines:

Design and construct electric generators, transformers, electric motors, and other high power equipments. So also, erect, assemble and install all electrical power equipment and systems.

The department also design and construct radios, televisions, telephones,

computers and information and communication technology equipments, complex electronic circuits and microprocessor applications. In addition, assemble and maintain telecommunication networks and mobile systems.

Instrumentation and Control:

Design and construct instruments, controllers, automatic control systems, instrumentation and measuring system. Analyse and solve hands-on applications problems on analytical instrument and control systems. Direct digital control, Data acquisition, SCADA and Fieldbus applications.

- (ii) National Diploma (ND), Electrical and Electronic Engineering Technology.
The programme is highly challenging for the formation of young Technicians whose aspirations are to be skillful in Hand-on applications with a minimum of theory of Electrical and Electronic Engineering equipments and systems.

The programme cover the following: Construct electrical and electronic circuits, erect, assemble and install electrical and electronic equipments, maintain and repair electrical and electronic equipments and systems; operate relevant equipments and installations whenever required, and select and use appropriate instrument to carry out tests and measurements on all types of electrical and electronic installations and equipments.

3.0 STUDENTS PLACEMENT

National Diploma Students are placed on compulsory 4 months Industrial Work Experience on completion of first year of study, supervised by SIWES. Before coming for any HND programme, students must have undergone at least 12 months of Industrial Training to confirm hand-on application experience.

4.0 LABORATORY/WORKSHOP PRACTICE

The department has well equipped laboratories and workshops, for students to acquire the necessary hands-on application skills as required by modern technicians and technologists in Oil and Allied Industries. There are the following eleven laboratories/workshops:

- Electricity and Measurement lab
- Machines lab
- Electrical Power Lab
- Instrumentation and Control Lab
- Electronics Lab
- Telecommunication Lab
- Computer Lab
- Instrumentation and Control Workshop
- Electronics Workshop
- Installation Workshop
- Electrical Repairs Workshop

5.0 ACCREDITATION STATUS

All programmes in the department are duly accredited by the NBTE.

6.0 CAREER OBJECTIVES AND PROSPECTS

The courses offered in the Electrical and Electronics Engineering Department are designed to prepare the student for a career as a technician at the National Diploma level and as a Technologist at the High National Diploma level in the various options of specialization.

Opportunities abound for our graduates in virtually every sector that uses Electrical Energy and related Electronic Instruments/Equipment in its operations. This makes our graduates to be highly relevant to the smooth operation of the oil and allied industries.



LOAD RESISTOR MV 1100



Glass Blowing Equipment

INDUSTRIAL SAFETY & ENVIRONMENTAL TECHNOLOGY DEPARTMENT

1.0 INTRODUCTION

The department commenced as Department of Science and General Studies with the mandate to produce middle level technical manpower for the Petroleum and Allied Industries in “Chemical Laboratory” at ND and HD respectively. The Department later metamorphosed into Industrial Safety and Environmental Technology with the introduction of Industrial Safety and Environmental Technology Programmes respectively. In the process of attaining accreditation with the National Board for Technical Education and the Department’s goal of satisfying the Petroleum and Allied Industries human capacity needs, it was mandated on the department to make the following changes:

- ⌚ The Chemical Laboratory Technology Programme was given a new nomenclature of Science Laboratory Technology. This is offered at ND and HND levels.
- ⌚ Industrial Safety and Environmental Technology Programmed was introduced at ND and HND levels.
- ⌚ The course contents of all the programmes were reviewed in-line with NBTE and additional courses exceptionally relevant to the petroleum Industry to enhance the performance of our students.

At ND Level

- ⌚ Science Laboratory Technology
- ⌚ Industrial Safety and Environmental Technology

At HND Level

- ⌚ Science Laboratory Technology (Chemistry Option)
- ⌚ Environmental Technology
- ⌚ Industrial Safety Technology

2.0 STUDENTS PLACEMENT

National Diploma Students are placed on 4 months industrial work experience on completion of first year of study. They are also to undertake 12 months post National

Diploma Industrial work experience in small, medium sized or multinational organizations in the oil and gas industry.

The Institute's SIWES Unit assist students for placement positions as much as possible.

3.0 CAREER OBJECTIVE

The course is designed to prepare you for a career as a technologist and/or technician in the field of Petroleum Industry, Process Industries and Academia.

4.0 TRAINING OFFICERS

Courses are taught by a wide range of qualified and enthusiastic staff, many of whom have industrial experience.

5.0 SPECIALIST EQUIPMENT/LABORATORY

- ⌚ Comprehensive Wet Analysis Laboratory
- ⌚ Petroleum Analysis Laboratory
- ⌚ Instrumentation and Analytical Laboratory
- ⌚ Physics Laboratory
- ⌚ Biological Sciences Laboratory
- ⌚ Information Communication Technology Laboratory
- ⌚ Glass Blowing Workshop
- ⌚ Safety Workshop



Students putting out a blazing fire

DEPARTMENT OF PETROLEUM MARKETING AND BUSINESS STUDIES



Shelf display of Car Care Products
wares at the PTI super market

INTRODUCTION

The National Diploma (ND) in Petroleum Marketing and Business studies provides students with the opportunity to experience both academic and practical applications of marketing and management principles in changing world of business especially in the petroleum industry.

PROGRAMME

The Higher National Diploma (HND) in Petroleum Marketing Technology is a highly specialized programme specifically in the field of petroleum marketing that will equip students with necessary skills required to excel in the ever changing environment of petroleum business. Emphasis is placed in the oil and gas industry.

PLACEMENT

National Diploma students are placed on 4 months industrial work experience on completion of first year of study. They are also to undertake 12 months post National Diploma Industrial work experience in small, medium sized or multinational organizations in the oil and gas industry. The Institute's SIWES Unit assists students for placement position as much as possible.

CAREERS

Petroleum Marketing and/or Business Management are disciplines which more and more organizations recognize as vital to their success. Students who undertake the programmes will gain a body of knowledge and a set of skills which are highly valued by employers in oil and gas industry as well as other business organizations. Graduates will have a sound basis in all petroleum business functions and are equipped to apply their petroleum marketing and business expertise in a range of organizations.

Careers Opportunities in Petroleum Marketing Discipline Include:

- ⌚ Advertising Careers
- ⌚ Logistics Careers
- ⌚ Selling Careers
- ⌚ Entrepreneurship Careers
- ⌚ Wholesaling and Retailing Careers

Career destinations cover a full range of Marketing, Purchasing, Sales, Logistics Accounting and Finance, Management and Administration, Advertising and Public Relations in both the private and public sectors, the oil and gas industries, agro-allied and the general economy. Also, graduates find themselves becoming owners/entrepreneurs of service/filling stations, field officers of the Pipeline and Product Marketing Company, administrative and marketing officers in DPR.



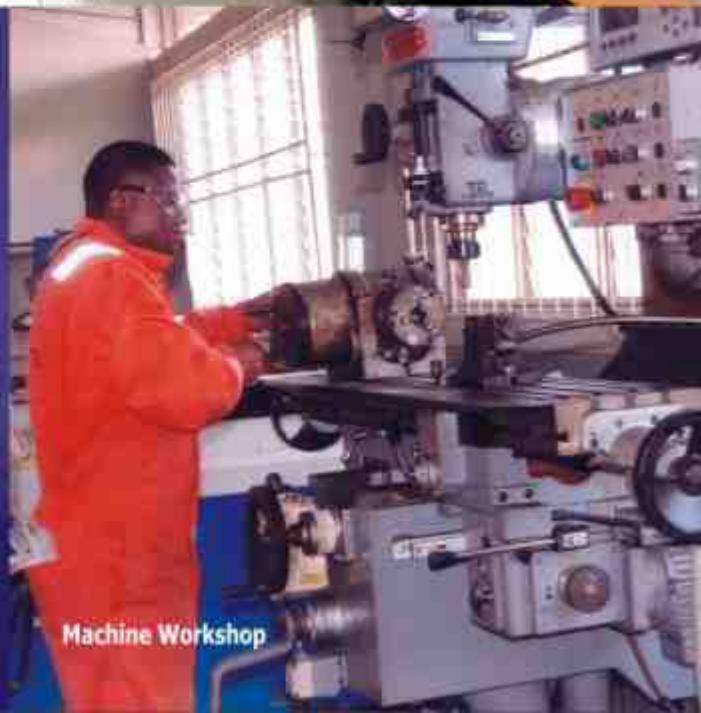
Student attending to customer at the counter
in the PTI super market



MECHANICAL ENGINEERING DEPARTMENT



Mechanical Engineering Department Workshop



Machine Workshop

1.0 INTRODUCTION

Mechanical Engineering Department is one of the vibrant departments in the Petroleum Training Institute. It is endowed with highly qualified and dedicated staff for the training of Technicians and Technologists required in the Petroleum and Allied Industries.

The vision and mission statements of the department are:

- (i) VISION STATEMENT: To become an acclaimed centre of Excellence in producing cutting edge Mechanical Engineering Technicians/Technologists in Africa.
- (ii) MISSION STATEMENT: To produce cutting edge Mechanical Engineering Technicians/Technologists that will meet the ever-growing needs of the Petroleum and Allied Industries.

The programmes available include National Diploma in Mechanical Engineering Technology and Higher Diploma in two option, namely Power Plant Engineering Technology and Manufacturing Engineering Technology.

2.0 NATIONAL DIPLOMA PROGRAMME

The broad objective of the programme is to produce Mechanical Technicians for the Petroleum Industry and any industrial system generally. During the course, the students will be exposed to such theoretical knowledge and practical skills that can make them function effectively as technicians for the installation, operation or maintenance of the various equipment and system normally used in Petroleum exploration, exploitation, processing, storage and transportation.

3.0 HIGHER DIPLOMA PROGRAMME

The broad objective of this programme is to produce Mechanical Technologists for the Petroleum and Allied Industries. The programme is structured in such a way that the students acquire a general knowledge in Mechanical Engineering Technology with some specialization in one of the two popular branches of Mechanical Engineering namely:- Power Plant Engineering Technology and Production/Manufacturing Engineering Technology.

A conscious effort has been made to structure the programme so as to satisfy two

prominent ends. The first is to give it a petroleum flavour considering the unique nature of the Institute. The second, but never the less is the National Board on Technical Education requirements.

4.0 STUDENTS PLACEMENT

Our bid to enhance the students practical skills does not stop at the use of laboratories and workshops. At the end of the second semester of ND 1, the student are attached to relevant oil and allied industries for 4 months. Again at the end of ND II, the students are attached to similar industries for one full year. Our emphasis on this one year attachment is stressed in our policy of “no attachment, no admission to HD programme”. With all these, our products are well exposed and equipped with the necessary practical experience that they can always take up responsibilities in the oil and allied industries with minimal initial on the job training.

5.0 LABORATORIES AND WORKSHOPS

The Department is endowed with modern, functional and well equipped laboratories and workshops for practical purposes. These include:

Mechanics of Machines laboratory, fabrication workshop, Machine Tool workshop, Metrology laboratory, strength of Materials laboratory, Refrigeration and Air conditioning workshop, fitting workshop, Thermo-fluid laboratory Petroleum Equipment workshop and Automotive workshop.

For more details, one can contact either the ND Programme Manager or HD Programme Manager in the Mechanical Engineering Department or the HOD, MED.



Fluid Mechanic Lab



Power Plant Workshop



Mechanical Engineering Department Workshop

PETROLEUM ENGINEERING AND GEOSCIENCES DEPARTMENT



The view of the PTI demonstration rig for training



Flow Station Demonstration Ground

1.0 INTRODUCTION

The Petroleum Engineering Department is one of the Departments that came on stream at the inception of the Petroleum Training Institute (PTI) in 1975.

Since then it had trained Technicians and Technologists for the Nigerian Petroleum Industry. These were produced specifically for Production and Drilling operation needs at the Diploma and Higher Diploma levels which have since been accredited in 1998 and re-accredited in 2003 by NBTE respectively.

In 1992, a Diploma Programme in Mineral Resources Engineering was established as one of the programmes in the Department and accredited in 1991.

2.0 PROGRAMMES

Engineering is about innovation, creativity and diversity, and the Diploma programmes presented by the Department of Petroleum Engineering prepare young people for a vast range of careers concentrating on the following areas:

- ND - PETROLEUM ENGINEERING
- HND - PETROLEUM ENGINEERING
- ND - MINERAL RESOURCES ENGINEERING

The programmes, all of which are fully accredited by NBTE, are designed to develop those personal and transferable skills which are particularly attractive to employers, such as:

- ⦿ The ability to develop problem-solving strategies
- ⦿ A creative approach
- ⦿ Team-working skills
- ⦿ Entrepreneurship
- ⦿ The ability to analyze data and
- ⦿ The ability to communicate and present information:

Each is a 4- semester or a 2 year programme that is an excellent springboard from which to launch a career in Petroleum Engineering Technology and Non-Petroleum Engineering disciplines.

The courses presented by the department range from those designed for entrants who wish to study specialist petroleum engineering technology topics such as Drilling, Production and Reservoir to those of Mineral Mining Engineering and Oil Exploration Technology. There is also the opportunity of continuing these technology with a broader range of disciplines such as computer network, environmental issues, etc.

3.0 STUDENTS INDUSTRIAL PLACEMENT

The 4-months placement and the 1-year placement respectively give students the opportunity to gain practical experience in any working engineering environment of their choice (particularly those that are oil-related). This work placement is a great experience and adds value to their Curriculum Vitae.

4.0 CAREER: ENGINEERING TECHNOLOGISTS AND TECHNICIANS

Engineering Technologists and Technicians have a reputation for their ability to solve problems and being able to undertake challenging and complex projects in all walks of life. An engineering education is a well-recognized springboard to a range of high-profile careers in all aspects of industry and commerce.

Opportunities exist both in the private and public sectors, with contracting organizations and multi-disciplinary firms, which vary from Oil to Non-Oil industries/businesses.

The programmes produce graduates with technical and technological skills on a wide range that is attractive to potential employers: the skills and ability to enter the working world, and a 'tool box' that they can apply to a range of careers in Petroleum Drilling, Production, Reservoir and Exploration Technology including Mineral Mining Engineering Technology and Geology. Tomorrow's graduates in engineering and technology will be flexible individuals with talents for adjusting to changing environments, in active technologies and new markets. Within their studies they will have developed interests and aptitudes which will enable them to diversify their careers into areas, which they find motivational and rewarding.

5.0 THE DEMONSTRATION GROUND

In our efforts to provide relevant and effective technical training for the personnel in the Nation's Oil and Gas Industry, Government accepted the setting up of a Demonstration site (length 120 metres ,with 100 metres) in the Institute. The aim is to ensure that our training programmes are as close as possible to actual industrial situation. The Demonstration Ground have the following equipment and facilities:

- (1) A training rig.
- (2) A Mini flowstation.
- (3) Mineral Processing ball null and space for future expansion for inclusion of mini refinery, offshore installations etc.

6.0 LABORATORY WORKSHOPS

The department is also equipped with:

- (1) A functional Petroleum Drilling/Production and Exploration Laboratories
- (2) Production, Drilling and Mineral Processing Workshops



Injection Moulding Machine



Pvc Pipe Extrusion Machine



Gas Absorption Column

PETROLEUM & NATURAL GAS PROCESSING DEPARTMENT (PNGPD)





LABORATORY AND TRAINING CENTRE

1.0 INTRODUCTION:

The Department is responsible for the training of technicians and technologists for the Oil and Allied Industries in the areas of Petrochemical Plant, Petroleum Refineries and Gas Processing at the National Diploma (ND), and the Higher National Diploma (HND) levels. The programme consists of the following electives at the HND level.

- (i) Petroleum Refinery and Natural Gas Engineering
- (ii) Petrochemical and Natural Gas Engineering

2.0 PROGRAMMES

The programmes are designed to produce Technicians and Technologies who should be able to carry out basic functions in the processing, testing and distribution of petroleum products and gas. On completion of the programme, the graduate should be able to:

- (a) Operate and maintain plant and ancillary equipment commonly used in the Petroleum and Gas Industries.
- (b) Interpret plant and process designs
- (c) Undertake quality control tests of Petroleum Products and Gas
- (d) Participate in the distribution activities of Petroleum Products and Gas.

3.0 STUDENTS PLACEMENT

Our bid to enhance the students' practical skills does not stop at the use of laboratories and workshops. At the end of the second semester of ND 1, the students are attached to relevant oil and allied industries for 4 months. Again at the end of ND II, the students are attached to similar industries for one full year. Our emphasis on this one year Industrial attachment is stressed in our policy of "no attachment no admission to HD programme". With all these, our products are well exposed and equipped with the necessary practical experience that enable them take up responsibilities in the oil and allied industries with minimal initial on the job training.

4.0 LABORATORIES/WORKSHOPS

The Laboratories of the Department have facilities for effective demonstration and practical work in the following mentioned areas of Petroleum and Gas Processing

Technology: External plant and control room operations, Pilot Scale Units for Process Simulation, Petroleum distillation, Catalytic reactors, heat Exchangers and furnaces, packed column, gas liquifier, etc. There is also available a wide range of standard petroleum measuring, testing and analytical equipment for determination of physical and chemical properties and other quality control tests of refined petroleum products and crude oils, such as flash and pour points, viscosity, existent gum, carbon residue, penetration index, oxidation stability, etc.

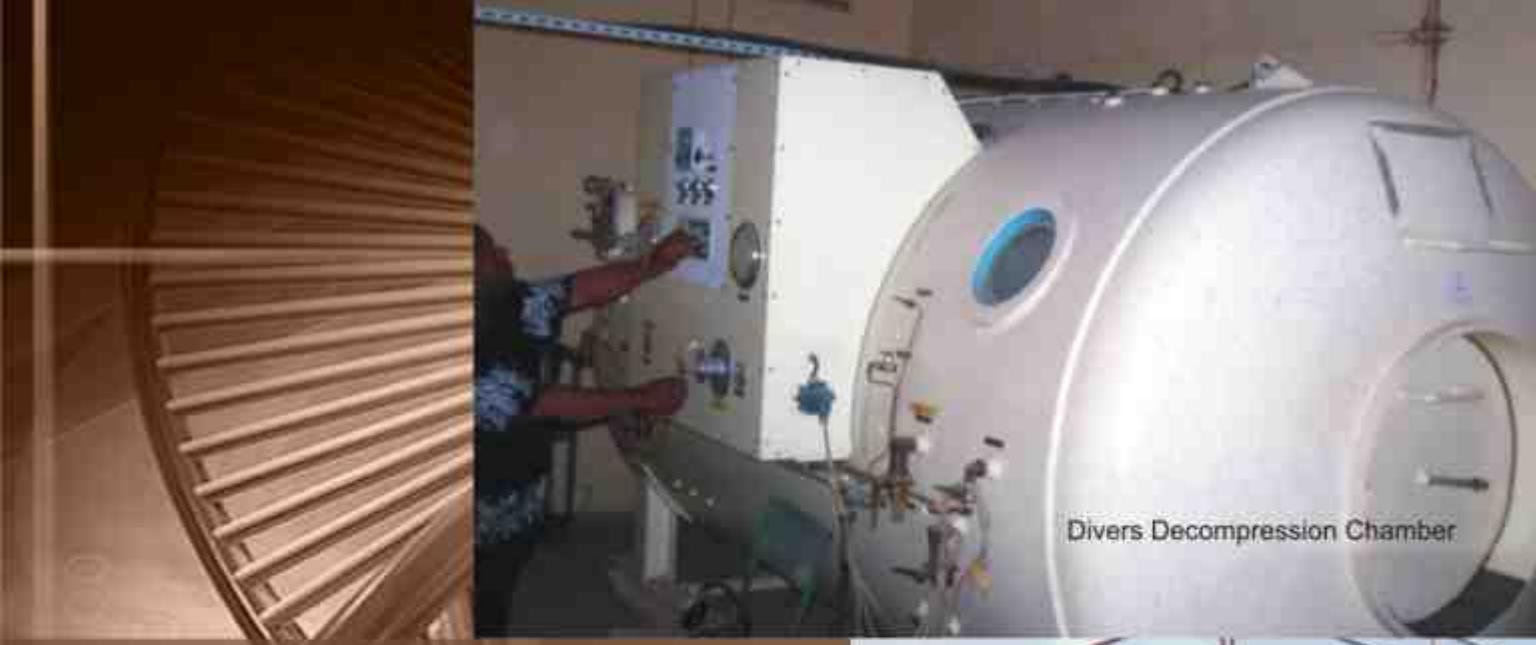
5.0 CAREER PROSPECTS

The graduates of Petroleum Processing Department has the ability to solve problems emanating from plant operations and facing technical challenges in the Oil and Gas Industry as well as in other processing plants.

It should be noted that abundant opportunities exit for graduates of the department in the following areas:

- ⦿ Oil and Gas Companies
- ⦿ Oil Refineries/Petrochemical Plants
- ⦿ Food Processing Industries
- ⦿ Chemical and Allied Industries
- ⦿ Gas Processing Plants - LNG Plants, LPG Plants, etc
- ⦿ Research Institutes
- ⦿ HSE Pesonnels
- ⦿ Plastic Processing Industries
- ⦿ Water and Waste Water Treatment Plants, etc.

DEPARTMENT OF WELDING ENGINEERING AND OFFSHORE TECHNOLOGY



Divers Decompression Chamber



Offshore Diving Tank

1.0 INTRODUCTION

Faced with the acute shortage of indigenous welding professionals needed in the country's fast expanding oil industry and the staggering foreign exchange needed to import such professionals, the Federal Government of Nigeria sensing the uniqueness and the strategic role of the Petroleum Training Institute in the training needs of the Oil Industry opted for the establishment of a School of Welding in the Institute in 1977.

The school was charged with the responsibility of training welding technicians and technologists and such skilled welding professionals of international standard for the nation's oil and allied industries.

Encouraged by the success story of the School of Welding experiment, the then management of the Institute saw the acute need to provide training in another important and specialized area deep sea diving.

Consequently, the School of Diving was established in 1989 and it commenced training of professional divers the same year. The objective of the school was to train commercial divers of internationally recognized classes I, SCUBA Certificate and Class II Surface Supply Certificate.

These two very rare and special schools have metamorphosed into a unit and is presently known and called the Department of Welding Engineering and Offshore Technology.

2.0 PROGRAMMES AND DURATION

The Department runs the following programmes:

- (a) Higher National Diploma - Two(2) years-in Welding and Fabrication Engineering Technology.
- (b) National Diploma Two (2) years-in Welding & Fabrication Engineering.
- (c) Certificate Programmes/Competency:
 - (i) General Welding - One (1) year

- (ii) Commercial Diving Class I (SCUBA) - 18 weeks
- (iii) Class II Surface Supply - 8 weeks

3.0 NBTE ACCREDITATION

All the Diploma programmes of the Department are accredited by the National Board for Technical Education (NBTE).

2.0 WORKSHOPS AND LABORATORIES

The Department is well equipped with standard Workshops and Laboratories as listed below:

- ⌚ A Non-destructive testing Lab.
- ⌚ A gas Welding Workshop
- ⌚ A Manual Metal arc welding workshop
- ⌚ ATIG welding workshop
- ⌚ A Machine Tools Workshop
- ⌚ AMIG/MAG Welding Workshop
- ⌚ A Fabrication Workshop
- ⌚ A submerged arc welding workshop
- ⌚ A Plastics welding workshop
- ⌚ Diving Tank
- ⌚ Decompression Chamber

3.0 CAREER PROSPECTUS

On completion of their programme, our students are well equipped to function in the following capacities:

- ⌚ Welding Technologists
- ⌚ Welding Inspectors
- ⌚ Welding Technicians
- ⌚ Structural Welders
- ⌚ Metal Fabricators
- ⌚ Teaching
- ⌚ Police Divers
- ⌚ Off shore Divers
- ⌚ Ship Repair Yards
- ⌚ Ports Authority/Navy/Army
- ⌚ Underwater NDT Inspection
- ⌚ Fitters

They will readily find employment in any of the following places:

- ⌚ Oil and Gas Industry (their constituency)
- ⌚ Automobile Industry
- ⌚ Metal Fabrication Industry
- ⌚ Educational Institutions
- ⌚ Building Industry
- ⌚ Construction Industry
- ⌚ Aeronautics Industry
- ⌚ Fishing Companies
- ⌚ Spearfishing
- ⌚ Teaching Research Institutions
- ⌚ Underwater Photography
- ⌚ Underwater Safety
- ⌚ And more

4.0 STUDENTS PLACEMENT

Our bid to enhance the students' practical skills does not stop at the use of laboratories and workshops. At the end of the second semester of ND 1, the student are attached to relevant oil/gas and allied industries for 4 months. Again at the end of ND II, the students are attached to similar industries for one full year. Our emphasis on this one year attachment is stressed in our policy of "no attachment, no admission to HD programme". With all these, our products are well exposed and equipped with the necessary practical experience that enables them to always cope with responsibilities in the oil and allied industries with minimal initial on the job training. Our trained and skilled divers are qualified to conduct all surface supply diving activities.

For further information, contact the Head of Department

DEPARTMENT OF WELDING ENGINEERING AND OFFSHORE TECHNOLOGY



Lincoln Dc Welding Machine



Esab Multi – Process Welding Machines



Submerged Arc Welding Machine



Seam And Spot Resistance Welding Machines

Welding And Fabrication Section



Lathe Machines



Plasma Cutting And Welding Machines



Milling Machine



Drilling Machine



Profile Gas Cutting Machine

Gas And Mechanical Fabrication Section

DEPARTMENT OF WELDING ENGINEERING AND OFFSHORE TECHNOLOGY



Scanning Electron Microscope Equipment



Universal Testing Equipment



X-Ray And Radiation Source Equipment



Rockwell Hardness Testing Machines

Testing And Inspection Section

INDUSTRIAL CONTINUING EDUCATION PART-TIME (WEEKEND) PROGRAMME



FLUIDISED SAND BATH

ICE WEEKEND PROGRAMME

The Industrial Continuing Education (I.C.E.) programme is the part-time study programme of the Petroleum Training Institute. As the name implies, it is geared towards making people working in the industries to continue their education without breaking off from their jobs in the industry.

The programme came into being in the Institute due to the yearnings of the Oil, Gas and Allied Industries in Warri and its environs, to upgrade the capacity of their middle cadre manpower without disturbing their production.

Hitherto, most of the workers upgraded their technical knowledge through day releases from their companies or by shuttling. Day releases were at the expense of the Industry. Shutting causes questionable practices at the workplace and in PTI.

As years went-by, the ICE programmes stabilized in PTI and it metamorphosed to week-end programme to cater for those who had to travel from Ughelli, Sapele, Benin City and other places to partake in the programme.

The ICE programme has continuously and successfully run for ten years (1995-2005). Many oil/gas and allied industries workers have benefited from the programme.

STATEMENT OF OBJECTIVE

The objectives of the ICE programme have been in line with PTI mission and vision and the objectives could be stated as follows:

1. To foster the acquisition of technical knowledge by oil, gas and allied industries workers in the Warri and environs.
2. To enhance the student/worker performance on their jobs.
3. To give opportunity to the self employed, workers in government offices and private companies, to improve their lot academically without disturbing their jobs.

CONDITIONS FOR ADMISSION

The entry qualification requirements for the Higher National Diploma and National Diploma Programmes of the ICE are as obtained in the PTI regular programmes.

NATURE OF CERTIFICATES AWARDED

The certificate awarded to regular students and ICE students are the same. Both regular and ICE students matriculate together and convocate together. It is the same PTI academic Departments that graduate the ICE students. The ICE unit only co-ordinates the programme. So certificate wise, there is no discrimination, the same laboratory, library, classroom and mostly the same lecturers.

TEACHING STAFF FOR ICE

The lecturers/instructors for the ICE programme are mainly the Institutes permanent lecturers/instructors and some part-time lecturers engaged by the Institute for effective and efficient running of the programme to ensure the students get value for their money. The ICE unit would willingly engage, on part-time basis, any oil worker with relevant knowledge and experience to teach in the ICE programmes.

The future of ICE is bright. Many people and Industries will benefit from ICE programme. ICE unit is planning for a special post graduate Diploma in Industrial Safety. This is because of large number of candidates from oil industries who want to complement their Engineering qualifications with certificate in Industrial Safety. This will make them much more safety conscious in their workplace and enhance their productivity. The oil and gas industries will immensely benefit from such programme as Oil and gas Industries are always very safety conscious.



LIBRARY

PTI LIBRARY

PTI LIBRARY

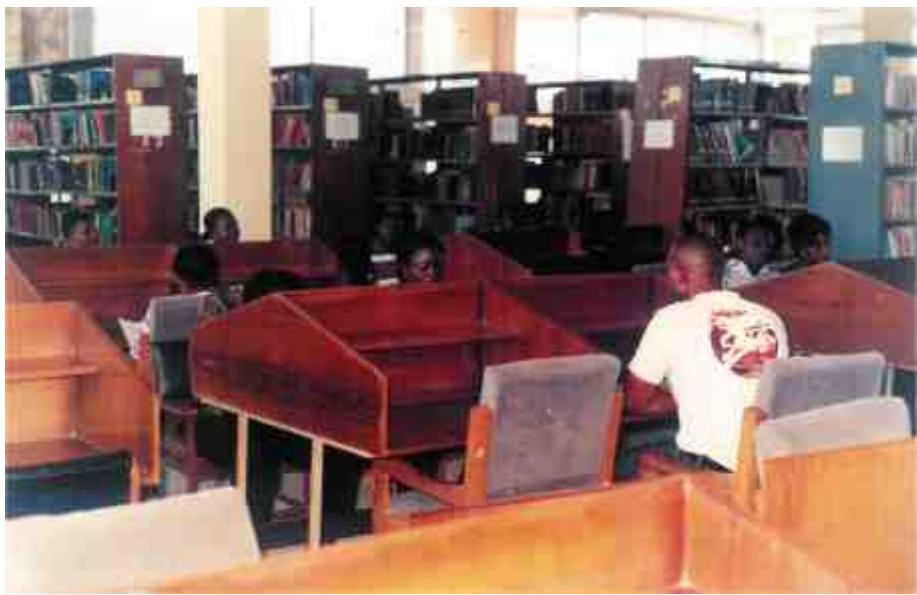
The PTI Library was established in 1975 with mandate of complementing the training, learning and research initiatives of the institute. The Library is centrally located at the institute main campus. The library is accommodated in a usual floor area of 2,620.02 metre, it consists of two floors. The ground floor accommodates the serials, Reference, the Readers services desk and the Bibliographic and system divisions, as well as the staff offices. The second floor accommodates the open access shelves, research and Archives Division, as well as the main reading area with carrels for private reading. There is also an Audio - Visual unit and a photographic laboratory to complement the training of students. The library has an average readership of about 3,000 persons annually. The library opens weekdays from 8.30 am to 9.00 pm and weekends 8.00 am to 5.00 pm.

Mission Statement

Our mission is to provide relevant library resources and high quality services to meet the information needs of training manpower for the oil industry.

The Library's Vision:

Is to endeavour to provide continuous enhancement of the critical skills needed to



support all aspect of library related services in an environment which is conducive to study, teaching and research, using efficient methods of purchasing, evaluating, processing and integrating hardware and software including information sources such as the internet and email and computing facilities.

Structure:

The library is structured into four main division. These divisions which include Readers' Service, Bibliographic & Systems, Information & Liaison and Media Services report to the Chief Librarian who heads the Library.

Services Rendered

The library being one of the most vital organs in the institute renders the following services

- a. Provision of instructional materials for training and research for staff and students
- b. Process these materials in a professional manner for ease of retrieval and use.
- c. Charging and discharging of books (lending services)
- d. Reference services
- f. Assist researcher with information gathering abstracting and documentation services.
- g. Provide selective dissemination of information (SDI) to key officers of the institute in their area of interest.
- h. Provision of audio-visual services
- i. Provision of photographic services for teaching and laboratory practical
- j. Photocopying services.



PTI CONSULTANCY SERVICES LIMITED



The Consultancy Services unit is the commercial arm of the Petroleum Training Institute. The unit has been operating for over ten years as an Enterprise.

In a strategic drive to have a focused quality and fully empowered quick response corporate unit to address the Oil/Gas Industry yearning needs, the PTI governing Council authorized the full incorporation of this unit, which now became PTI Consultancy Services Limited, with effect from December 2004.

It is made up of the following sub units:

1. Booster Courses.
2. Petroleum Analysis Laboratory
3. Computer Technology Center
4. Printing Press
5. Business Commercial Venture
6. Conference Center Complex.
7. Skills Acquisition Centre

To remain relevant and responsive to the needs of our clientele, our resource persons transcend the institute to recognized professionals and partnering with internationally recognized manpower development organizations for close symbiotic relationship to add value to our services and to the energy industry.

All Programmes are presented in the Modern IT state-of-the art in our convenient and comfortable ultra-modern Conference Centre Complex. The Centre is fully equipped with the following facilities:

- ⦿ Centrally air-Conditioned Conference Hall with over 1000 guest sitting capacity with spacious stage (With support IT facility, multimedia, O/H Projector, Video Projectors with wide range of Audio-Visual support facility, Syndicate, workshop and Committee rooms, etc.)
- ⦿ Exhibition Gallery, restaurant /bar, well furnished guest chalets/ suites, 500KVA standby Generator, guest supermarket, etc.

Other services offered by the PTI Consultancy Services Limited Include:

- ⌚ Modern colour separation Printing Press, Type- setting, designs /printing jobs. etc.
- ⌚ Petroleum Analysis Laboratory: It has ultra modern equipment, which undertakes laboratory analysis on crude Oil, Petroleum fraction, waste waters and natural Gas analysis and evaluation.
- ⌚ Computer Technology Center: The centre is repackaged to engage in engineering services, management training, Consultancy services, installation, and maintenance of hardware, development of software and host of others.
- ⌚ Business Commercial Venture: It comprises of Business Centre and supermarket, which is located at the locus of the institute. It offers a wide range of products at cheaper prices.

SKILLS ACQUISITIONS PROGRAMMES

In addition to the services rendered by the PTI consultancy services limited, Skills Acquisitions Training Programmes was developed from pulse of the moment as crisis intervention measure, in other to develop and implement planned, sustainable economic and educational programmes and the creation of good neighborliness in its host community. In pursuance of this policy, the Company in partnership with Oil companies, has embarked on Skills Acquisitions Training Programmes, and has consistently carried out these programmes in conjunction with Brass Liquefied Natural Gas (Brass LNG), Shell Petroleum Development Company (SPDC), and Ondo State Oil Producing Development Commission (OSOPADEC) Akure, to train Community Youths in their areas of operation in the following Programmes.

- ⌚ Electrical Installation and Maintenance
- ⌚ Block laying and Concreting
- ⌚ Plumbing and Pipe fitting
- ⌚ Carpentry and joinery
- ⌚ Structural Welding
- ⌚ Pipe Welding.

The organization has contributed to the reduction of youth restiveness. Besides, qualified candidates are offered employment to the sponsored Oil companies.

BUSINESS COMMERCIAL VENTURES

Business Commercial Venture comprises:

- ⌚ Business Centre
- ⌚ Supermarket
- ⌚ Canteen

Business Centre

This unit enables you browsing through the Internet check your mails, shop online at moderate rates. In addition, we provide computer typing, photocopying, spiral binding, lamination etc.

SUPERMARKET

The ultra modern supermarket located at the locus of the Institute offers a wide range of goods such as:

- ⌚ Provisions
- ⌚ Cosmetics
- ⌚ Foot wears
- ⌚ Electronics
- ⌚ Gift items
- ⌚ Stationeries
- ⌚ Wears / Accessories
- ⌚ Fashion etc

CANTEEN

The canteen offers a wide variety of African and continental dishes including fast food for staff/public at affordable prices.

RENTALS

We provide shop / premises for rent at moderate rates.



Car Care Products on display at the PTI Super Market for training PMBS Students of Petroleum . Marketing & Business Studies Department



Provision Shelf of the Supermarket (BCV)

COMPUTER CENTER

At the dawn of global computer literacy, the Petroleum Training Institute, the avant-garde training institute in the oil industry in Nigeria, saw the urgent need to develop personnel in the industry to remain at the cutting edge of modern technology. The Centre is engaged in Engineering Services, Management Training, Consultancy Services, Installations and Maintenance of hardware and a host of other Services.

In order to create a conducive learning environment, the training rooms located both in the main campus and Conference center complex has over 100 training computers for participants (individual and corporate) in a networked environment. Internet facilities are equally available in the training rooms. The center operates morning, afternoon and evening sessions for convenience of participants. Admission forms can be obtained at the computer centre. The duration of training ranges from five days to four months and Fees are moderate.

Also, special courses are arranged on request by organizations. These includes Short Courses for Executives, Civil Servants, Accountants, Managers, and other Professionals.



Computer Workshop



Computer Centre

CONFERENCE CENTRE COMPLEX

The Centre is a modern complex specially designed with training facilities to suit both higher and lower cadre of personnel in the petroleum and allied industries in the following areas:

- A) Seminars
- (b) Symposia
- (C) Conferences
- (D) Workshops

The following facilities are available at the Centre:

- (I) An ultra modern Conference Hall with a sitting capacity of 600 and fully equipped with:
 - a) Central air-conditioning system
 - b) A spacious stage with adjoining dressing rooms and facilities for overhead projector
 - c) A special exhibition gallery
 - d) Full range of Audio-Visual equipment, including close-circuit television facilities
 - e) Simultaneous translation equipment. Etc.
- (II) Well-equipped Restaurant and Bar of International standard capable of sitting 200 guests.
- (III) Accommodation; well-furnished guest chalets and suites.
- (IV) Large car park / walk way.
- (V) Gift shop/Mini Mart.
- (VI) Laundry Services.
- (VII) A well-organized security network with armed personnel.
- (VIII) Sporting facilities includes Lawn Tennis court, Squash court and Table Tennis.
- (IX) 24 hours Power supply with Two 500 KVA Standby Generator as back-up to NEPA.
- (X) Cyber café: E Mail and Web Browse.

Finally, the Conference Centre Complex is located in a serene environment suitable for outdoor engagements such as wedding receptions, Cultural activities etc at affordable rates.



Conference Centre (Main Gate)

PETROLEUM ANALYSIS LABORATORY

The petroleum Analysis Laboratory represents a giant step towards the fulfillment of the objectives of the institute in producing technicians and skilled personnel required for the oil/gas and allied industries.

The laboratory is equipped with modern facilities similar to those found in most refineries around the world. In addition to crude oil and gas analysis, water samples as well as soil samples are equally analyzed.

The department has ultra violet/visible and infra red spectrophotometers, liquid absorption spectrophotometers, gas and liquid chromatographs and equipment for environmental testing. Each of these equipment can satisfy the needs of several ASTM procedures, which makes the laboratory ultimately capable of approximately 100 ASTM procedures.

The laboratory is capable of fractional distillation, physical and chemical properties of each fraction and testing specification of motor gasoline, kerosene, diesel, jet fuel and heavy oil.



Gas chromatography Laboratory for gas analysis



Laboratory Workshop for analyzing Petroleum Products

PRINTING PRESS

The Petroleum Training Institute has a modern Printing Press with the latest Quicksetter 460 Colour Separation Machine. The Printing Press undertakes printing jobs for corporate bodies and individuals, such as Calendars, Separation of Colours jobs from A5 to A2 sizes, Plate Making, Newsletters, Poster and labels, Brochure/ In House Journals, Annual Reports, Book Binding, Official receipts, Certificates etc.



Press Section of the PTI Printing Press(Kord 64)



The Press is a complete printing outfit with the various sub-divisions, such as Pre-Press, Lithographic Machine Print, Print Finishing and Computer Sections. Every stage of our job is important to us, indeed, we print with a flourish.

PREPRESS SECTION

The pre-press is equipped with new modern facilities that will enhance the quality of jobs. The facilities include;

- ⌚ Quick setter colour separation machine A2 size.
- ⌚ Linoscan High resolution scanning A3 size.
- ⌚ Colour proofing Machine of same dimension.
- ⌚ Lithographic section: This section handles all aspect of reproduction and plate making.
- ⌚ Machine section: With our kord 64 and Kors 72 Heidelberg offset printing machine and other offset Gestetner printing machine. This section is well equipped to handle any printing job

Printing Finish section: This section completes the printing process to the specification of the customer.



SHORT/BOOSTER COURSE UNIT

The Short Booster Course is a unit of the PTI Consultancy Services Limited. It is situated at the PTI Conference Complex (Shell block). It specialized in updating the knowledge of personnel's already in the Oil/Gas and Allied industries.

The recent upgrade of the PTI Facilities and Personnel have increased the qualities of staff and materials in the services rendered to the Oil/Gas and Allied Industries. The Booster courses can now compete favourably with similar organization in the world.

In the areas of skill acquisition scheme, the unit had excelled in the past in the training of companies host communities youths in various skills. Companies which had benefited in the past were Exxon Mobil, Chevron, Shell, etc.

Also customized courses could be mounted on request and in such cases courses are packaged and tailored to suit client demands.

The unit advertised over one hundred and fifty (150) courses in 2006 Calendar year, we therefore appeal for patronage from all multinational, National Oil/Gas and Allied Industries in obedience to the Federal Government call on local content and capacity building utilization.



Rivers State Youth sponsored skills acquisition reception



Members of the PTI Academic Board

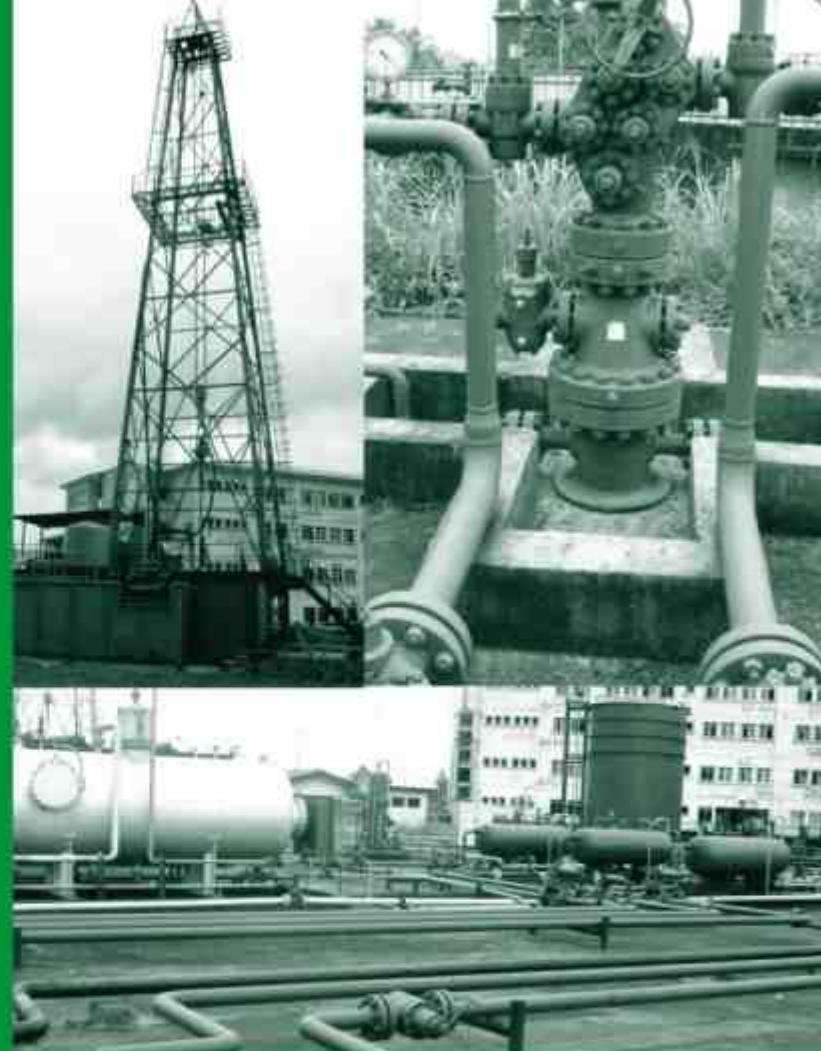


Amnesty students being taken through the rudiments of drilling



A photograph of a modern library building. The building has a light-colored facade with large windows. A prominent feature is a central entrance with a sign above it that reads "LIBRARY". Above the entrance, there is a red rectangular plaque. The building's design includes a flat roof and several large, light-colored panels with horizontal slats. In the foreground, there is a parking lot filled with various cars, including a dark blue Toyota and a white car. A few people are visible near the entrance area.

LIBRARY



Designed & Printed by: PTI PRESS, Effurun - Delta State.