# Pti

PETROLEUM TRAINING INSTITUTE

# Admission Prospectus

2019/2020


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.

2019/2020 Session

admission prospectus

# 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 2017/2018 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 and Petroleum Resources Engineering Technology
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.

Prof. S. E. Iyuke
Principal/Chief Executive
Petroleum Training Institute

## 1.0 ADMISSION INTO PETROLEUM TRAINING INSTITUTE (PTI) FOR THE 2019/2020 SESSION

The Petroleum Training Institute (PTI) invites applications from suitably qualified candidates for admission for the 2019/2020 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**
Electical/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 Technology
(ii) Mineral and Petroleum Resources Engineering Technology

(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.

(8) **Computer Science Department.**

**(C) CERTIFICATE PROGRAMMES**
(i) General Welding
(ii) Commercial Diving (Class I and Class II).

## 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 Natinal 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.

In addition, all applicants must possess five (5) Ordinary Level Credit passes relevant to the choice of their Programmes which must include English Language and Mathematics.

### 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 Technology.

**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

(v) National Diploma Obtained from Maritime Academy Oron in any of the following
- (a) Hydrography.
- (b) Marine Metrology and Oceanography
- (c) Hydrology and Coaster Resources Management.

**III INDUSTRIAL SAFETY TECHNOLOGY**

(i) National Diploma in Industrial Safety.

(ii) ND in Industrial Safety and Environmental Technology.

(iii) ND in any other related/relivant discipline

(iv) 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.

(e) Science Laboratory Technology.
(f) Welding Engineering and offshore Technology.
(g) Mineral Resources Technology.

**IV MECHANICAL ENGINEERING TECHNOLOGY**

(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) National Diploma in Petroleum Engineering, Mineral and Petroleum Resources Engineering.

**VI. PETROLEUM AND 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
- Purchasing and Supply
- Cooperative Economics

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
(iii) National Diploma in Mechanical and other related Engineering Discipline

**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 and Petroleum Resources Engineering Technology
Petroleum and 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 five (5) subjects at not more than two sittings, which should include Mathematics, English Language, 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, 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 , or

(iii) National Business and Technical Examination Board (NABTEB) with credit passes in five (5) subjects which include English Language, Mathematics, Physics with Chemistry, Mechanical Engineering Practice or Metal Work and any other Science or Social Science subject (ND-Mechanical Engineering Programme only).

(iv) National Business and Technical Examination Board (NABTEB) with credit passes in five (5) subjects which should include English Language, Mathematics, Physics with Chemistry, and any two Electrical subjects or English Language, Mathematics, Physics, Chemistry and any one Electrical subject (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.

**5.3 (b) PETROLEUM MARKETING AND BUSINESS STUDIES TECHNOLOGY (ND)**

(i) GCE O/Level, WASC, SSCE (WAEC or NECO) Credit passes in five (5) subjects which must include English Language, Mathematics, Economics and any two of the following subjects: Business Methods, Commerce, History, Christian Religious Knowledge/Islamic Religious Knowledge, Principle of Accounts, Geography, Statistics, Literature in English, Agricultural Science/Biology/Chemistry and Government/Civic Education.

(ii) National Business Certificate of NABTEB with credit passes in relevant subjects. At least a pass in Chemistry is compulsory.

**5.3.1 (c) SCIENCE LABORATORY TECHNOLOGY (ND)**

(i) GCE O/Level, WASC or SSCE (WAEC or NECO) with credit passes in five (5) subjects at not more than two sittings which must include English Language, 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 and Biology.

(ii) National Technical Certificate in Chemical Laboratory Technology/Industrial Safety.

**5.3.2 (d) WELDING AND FABRICATION ENGINEERING TECHNOLOGY (ND)**

(i) GCE O/Level WASC or SSCE (WAEC or NECO) with Credit passes in five (5) subjects at not more than two sittings which should include English Language, 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,

***or***

(ii) National Technical Certificate (NTC) Examination in Welding and Fabrication Craft Practice with credit passes in English Language, Mathematics, Welding Technology, Welding and Fabrication Practices, Technical Drawing or

Integrated Science.

(iii) National Business and Technical Examinations Board (NABTEB) with credit passes in five (5) subjects which should include English Language, Mathematics, Chemistry with Physics, Welding Practice, and any other Science or Social Science subject.

**5.3.3 (e) ENTRY REQUIREMENT FOR COMPUTER SCIENCE**

GCE O/Level, WASC or SSCE (WAEC or NECO) with credit passes in five (5) subjects at not more than two sittings which must include Mathematics, English Language, Physics, Chemistry and any one the following Science subjects: Biology, Geography, Agricultural Science, Technical Drawing, Statistics, Further Mathematics, Basic Electronics, Applied Electricity and Metal Work or any Social Science Subject.

## 5.4 GENERAL WELDING CERTIFICATE PROGRAMME

### 5.4.1 ENTRY QUALIFICATIONS

(i) GCE O/Level, WASC or SSCE (WAEC or NECO) with ordinary passes in five (5) subjects at not more than two sittings which should include English Language, Mathematics, Chemistry, Physics, and any one of the following subjects; Further Mathematics, Statistics, Basic Electronics, Metal Work; Wood Work, Geography, Economics, or

(ii) City and Guilds Intermediate Certificate in Welding.

## 5.5 COMMERCIAL DIVING CERTIFICATE (CLASS I AND CLASS II) PROGRAMME

### 5.5.1 CLASS I (SCUBA DIVING CERTIFICATE)

**Duration:** 18 weeks (admissions are done twice yearly)

### 5.5.2 ENTRY QUALIFICATIONS

(i) GCE O/Level, WASC or SSCE (WAEC or NECO) with ordinary passes in five (5) subjects at not more than two sittings which should include English Language, Mathematics, Chemistry, Physics, and any one of the following subjects; Further Mathematics, Statistics, Basic Electronics, Metal Work; Wood Work, Geography, Economics, or

(ii) City and Guilds Intermediate Certificate in Welding.

(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.

### 5.5.3 CLASS II (SURFACE SUPPLIED DIVING CERTIFICATE)

**Duration:** 6 weeks

### 5.5.4 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 VENUE OF INTERVIEW FOR HIGHER DIPLOMA PROGRAMME:

There will be interview for the Higher Diploma programmes which will be conducted at the Petroleum Training Institute, Effurun, Delta State. All candidates must report with the originals of their credentials for the interview.

## 7.0 VENUE FOR ENTRANCE EXAMINATIONS FOR GENERAL WELDING CERTIFICATE PROGRAMME:

The entrance examinations for the General Welding Certificate programmes will be held at the institute.

## 8.0 EXAMINATION NUMBERS FOR THE ENTRANCE EXAMINATION

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

## 9.0 ENTRANCE EXAMINATION FOR THE GENERAL WELDING CERTIFICATE PROGRAMME

Candidates applying for the P.T.I entrance examination will write P.T. I entrance examination . The subjects candidates are expected to write during the examination are: Use of English Language, Mathematics, Physics, and Chemistry.

## 10.0 METHOD OF APPLICATION

On how to apply, suitably qualified candidates for admission are required to visit the Institute's website, www.pti.edu.ng

## 11.0 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.


An instructor, demonstrating how the drilling simulator works



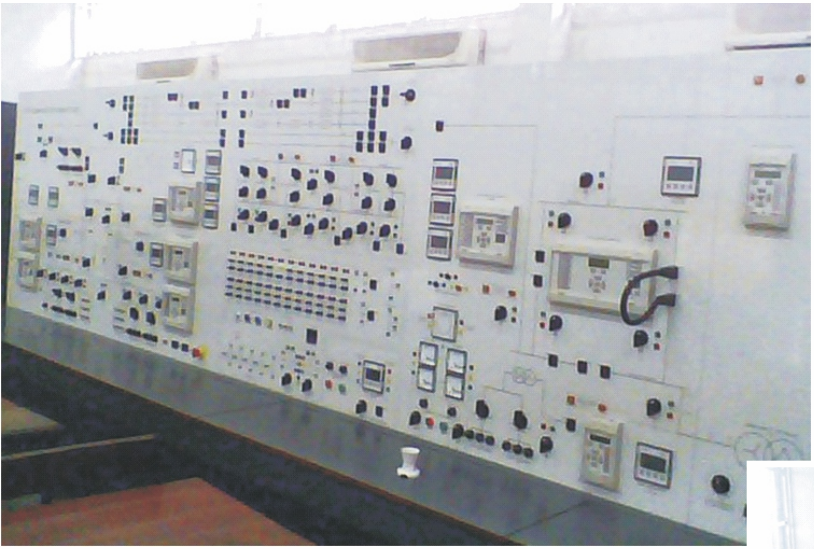
Students carrying out minor maintenance work in the Petroleum and Gas Engineering Lab

A view of the PTI Conference Centre Complex

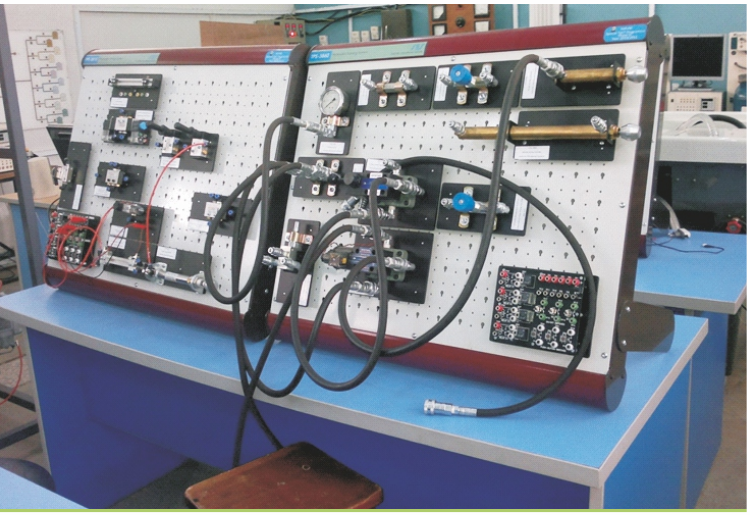
# **Electrical** & **Electronics** Engineering Department


**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.

- Ü Electrical Engineering Technologist with specialization in Power and Machines design and build electric generators, transformers, electric motors, and other high power equipments.
- Ü Those with specialization in Electronics and Telecommunications design and build radios, televisions, computers, and communication equipments.
- Ü 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:

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

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:

- Ü The Chemical Laboratory Technology Programme was given a new nomenclature of Science Laboratory Technology. This is offered at ND and HND levels.
- Ü Industrial Safety and Environmental Technology Programmed was introduced at ND and HND levels.
- Ü 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**

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

**At HND Level**

- Ü Science Laboratory Technology (Chemistry Option)
- Ü Environmental Technology
- Ü 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

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

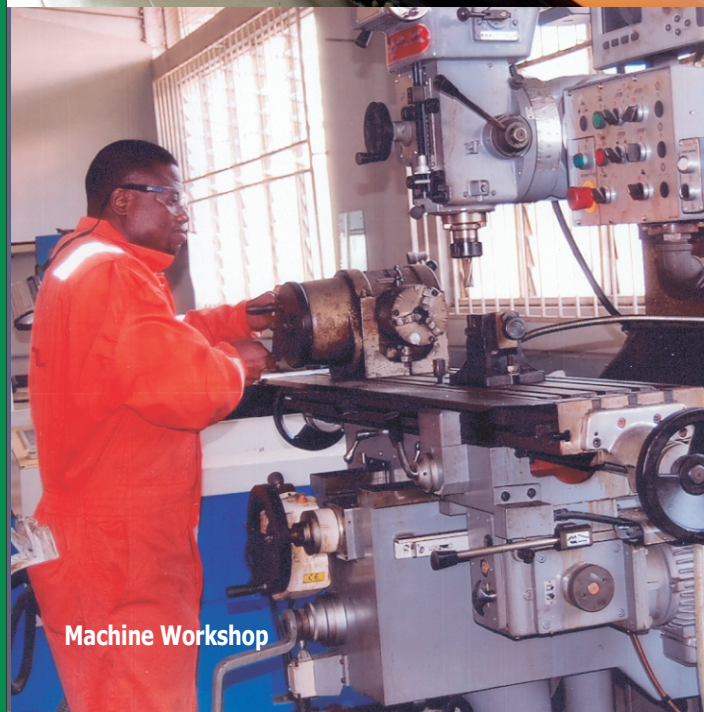
Careers Opportunities in Petroleum Marketing Discipline Include:
- Ü Advertising Careers
- Ü Logistics Careers
- Ü Selling Careers
- Ü Entrepreneurship Careers
- Ü Wholesaling and Retailing Careers

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 Workshop

# Mechanical **Engineering** Department



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

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 n 1998 and re-accredited in 2003 by NBTE respectively.

In 1992, a Diploma Programme in Mineral and Petroleum Resources Engineering Technologywas 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 AND PETROLEUM RESOURCES ENGINEERING TECHNOLOGY

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:

- Ü The ability to develop problem-solving strategies
- Ü A creative approach
- Ü Team-working skills
- Ü Entrepreneurship
- Ü The ability to analyze data and
- Ü 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

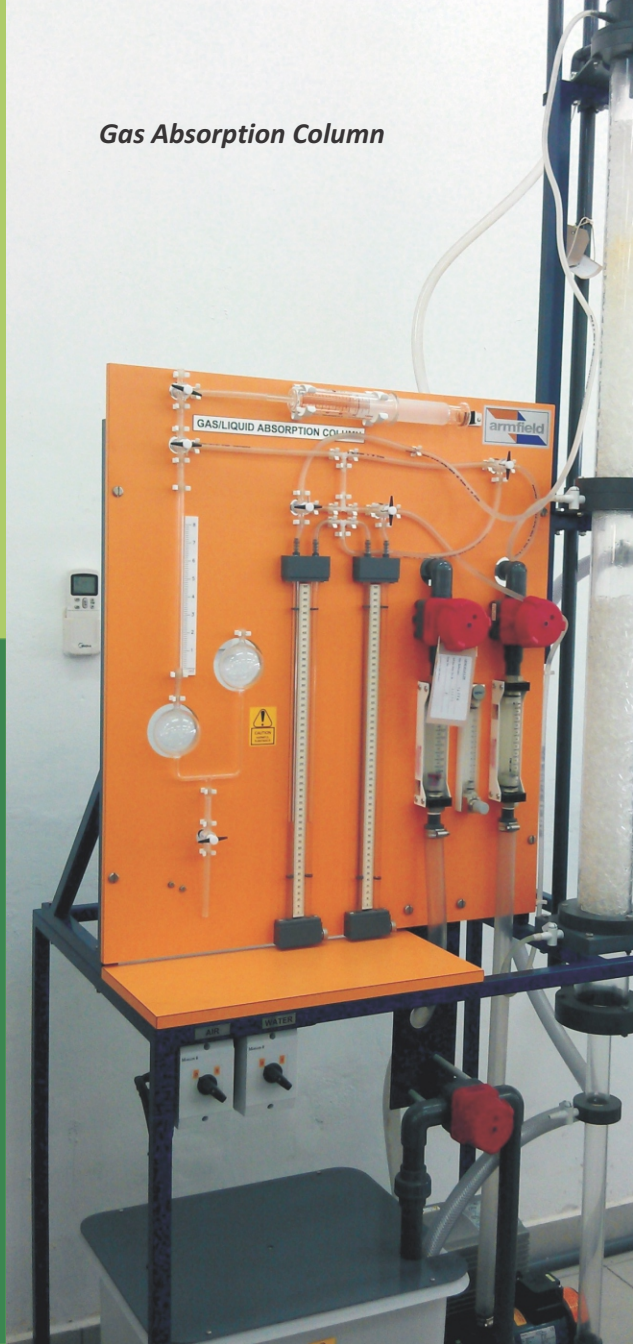
The department is also equipped with:

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

Injection Moulding Machine

Pvc Pipe Extrusion Machine

# **Petroleum** & **Natural Gas Processing** Department (PNGPD)




*Gas Absorption Column*

## 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:

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

Divers Decompression Chamber

# Department of **Welding** Engineering And **Offshore** Technology

**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 technologist 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 weekis
(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:

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

## 3.0 CAREER PROSPECTUS

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

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

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

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

Lincoln Dc Welding Machine


Esab Multi – Process Welding Machines


Submerged Arc Welding Machine


Seam And Spot Resistance Welding Machines

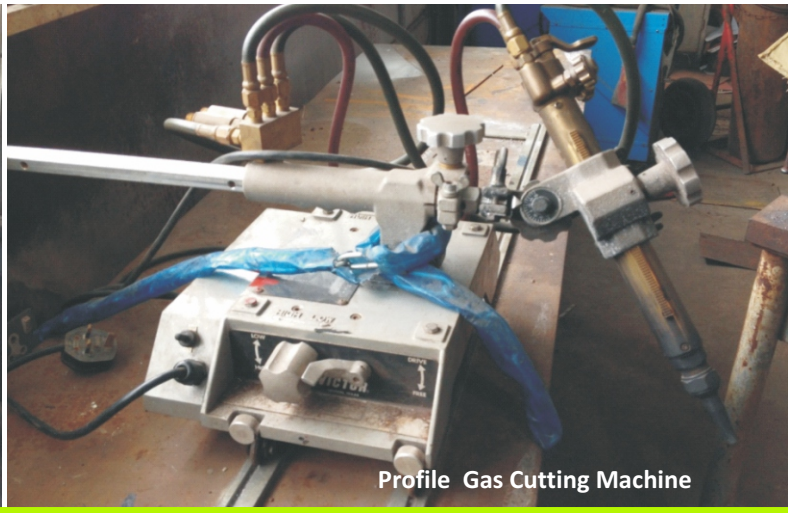
## Welding And Fabrication Section

Lathe Machines


Plasma Cutting And Welding Machines

Milling Machine

Drilling Machine



Profile Gas Cutting Machine

## Gas And Mechanical Fabrication Section

Scanning Electron Microscope Equipment


Universal Testing Equipment

X- Ray And Radiation Source Equipment

Rockwell Hardness Testing Machines

## Testing And Inspection Section

FLUIDISED SAND BATH

# Industrial Continuing Education

## Part-time (Weekend) Programme

## 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. Shuttling 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.


# 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 Liberian 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:

- Ü 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.)
- Ü 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:

- Ü Modern colour separation Printing Press, Type- setting, designs /printing jobs. etc.
- Ü 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.
- Ü 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.
- Ü 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.

- Ü Electrical Installation and Maintenance
- Ü Block laying and Concreting
- Ü Plumbing and Pipe fitting
- Ü Carpentry and joinery
- Ü Structural Welding
- Ü 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:**

- Ü Business Centre
- Ü Supermarket
- Ü 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:

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

**CANTEEN**

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

**RENTALS**


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 Worksop

Computer Centre

## CONFERENCE CENTRE COMPLEX

Conference Centre (Main Gate)

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 out door engagements such as wedding receptions, Cultural activities etc at affordable rates.

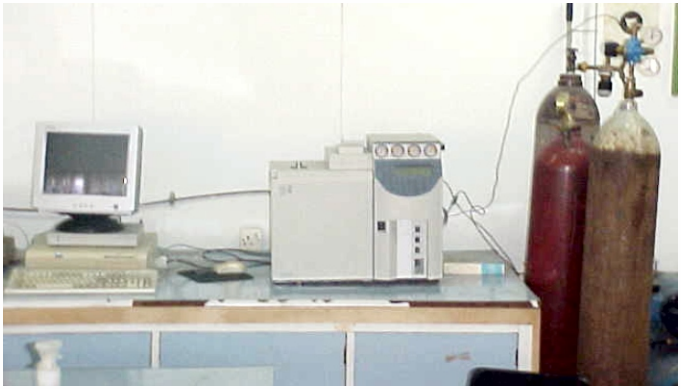
# PETROLEUM ANALYSIS LABORATORY

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 ATSM 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 ECMR MAKO 800 CTP (Computer To Plate Machine), SpeedMaster 105. The Printing Press undertakes printing jobs for corporate bodies and individuals, such as Calendars, Separation of Colours jobs from A5 to A1 sizes, Newsletters, Poster and labels, Brochure/ In House Journals,
Annual Reports, Book Binding, Official receipts, Certificates etc.

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;

- **Ü** ECMR MAKO 800 CTP (Computer To Plate Machine).

- Ü Colour proofing Machine of same dimension.
- Ü Lithographic section: This section handles all aspect of reproduction and plate making.
- Ü Machine section: With our Heildelberg SpeedMaster 105 offset printing machine and other offset 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


LIBRARY
TOYOTA

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

# Pti

PETROLEUM TRAINING INSTITUTE

# Admission prospectus

## 2019/2020

2017/2018

# Pti

PETROLEUM TRAINING INSTITUTE

# Admission Prospectus

2019/2020

*Abdullahi Jamilu Kyangakwai*

DPR Technical Assistance Course

12th March - 4thMay , 2018

* HSE & Regulatory Compliance
* Curde Oil Terminal Operations
* Depot & Jetty Operations
* Metering Systems / LACT Systems
* Lube Oil Plant / Lube Recycling Plant
* Retail Outlet Operations / LPG Add-On Operations
* Bio Fuel / Renewable Energy Resources
* Tank Calibration Methodology
* Gas Operations
* Refinery & Petrochemicals Operations
* Petroleum Laws & Regulations
* Oil Concession & Lease Management

*3323*

*Abdullahi Zakariyau Isah*

DPR Technical Assistance Course

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*3324*

*Amanze Ndidi Jane*

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*3325*

# *Ayilara Oowiyyat Titilope*

DPR Technical Assistance Course

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*3326*

# *Bekee Christopher*

DPR Technical Assistance Course

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*3327*

# *Bisong Mathew Opue*

DPR Technical Assistance Course

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*3328*

# *Busari Adekunle Oluwaseun*

DPR Technical Assistance Course

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*3329*

# *Danbaba Abdullahi*

## DPR Technical Assistance Course

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***3330***

# *Danhassan Abubakar Auyu*

DPR Technical Assistance Course

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*3331*

# *Edudje Anthony*

## DPR Technical Assistance Course

## 12th March - 4thMay , 2018

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* Oil Concession & Lease Management

***3332***

# *Egberomoh Ochuko Anthony*

DPR Technical Assistance Course

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* Oil Concession & Lease Management

*3333*

*Evbade Oyenmwen Nazarina*

DPR Technical Assistance Course

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*3334*

# *Ima Chukwuebuka Miracle*

## DPR Technical Assistance Course

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*3335*

*Ipaye Muiz Gbolahan*

DPR Technical Assistance Course

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* Oil Concession & Lease Management

*3336*

*Isaac Oghenero*

DPR Technical Assistance Course

12th March - 4thMay , 2018

* HSE & Regulatory Compliance
* Curde Oil Terminal Operations
* Depot & Jetty Operations
* Metering Systems / LACT Systems
* Lube Oil Plant / Lube Recycling Plant
* Retail Outlet Operations / LPG Add-On Operations
* Bio Fuel / Renewable Energy Resources
* Tank Calibration Methodology
* Gas Operations
* Refinery & Petrochemicals Operations
* Petroleum Laws & Regulations
* Oil Concession & Lease Management

*3337*

# *Mnadubuko Arinze Anthony*

DPR Technical Assistance Course

12th March - 4thMay , 2018

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*3338*

*Mubarak Ishaka Nazaure*

DPR Technical Assistance Course

12th March - 4thMay , 2018

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* Oil Concession & Lease Management

*3339*

# *Muhammad Zayyad Bello*

DPR Technical Assistance Course

12th March - 4thMay , 2018

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*3340*

# *Musa Adamu Sadisu*

## DPR Technical Assistance Course

## 12th March - 4thMay , 2018

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*3341*

# *Aibokien Wisdom Joseph*

DPR Technical Assistance Course

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*3342*

*Sa Unyime U.*

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*3343*

*Oguta Godwin Solomon*

DPR Technical Assistance Course

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*3344*

# *Ojo Olorunmeyan Joshua*

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*3345*

# *Okedairo Christopher Olumide*

DPR Technical Assistance Course

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*3346*

# *Oyeyemi-taiwo Isreal*

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*3347*

*Patrick Nnamdi Malachy*

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*3348*

# *Sample Tonye Charles*

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*3349*

*Samson Sunday*

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*3350*

*Sani Bello Muhammad*

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*3351*

*Sanusi Zaiyad*

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*3352*

*Shitu Ibrahim Imam*

DPR Technical Assistance Course

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*3353*

*Surajo Shuaibu*

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*3354*

*Umar Salmanu Nuhu*

DPR Technical Assistance Course

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*3355*

# *Usman Faisal*

## DPR Technical Assistance Course

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* Petroleum Laws & Regulations
* Oil Concession & Lease Management

*3356*

*Akinbosola Folajimi Lekan*

Fundamentals of Flow Assurance

5th - 9th November , 2018

* Introduction to Flow Assurance
* Reservoir Deliverability
* Petroleum System Analysis/Drive Mechanism
* Flow Assurance Issues
* Well Performance Evaluation
* Flowline Operations
* Flow Assurance Mitigations

*3453*

# Ekang Samuel Sunday

## Fundamentals of Flow Assurance

## 5th - 9th November , 2018

* Introduction to Flow Assurance
* Reservoir Deliverability
* Petroleum System Analysis/Drive Mechanism
* Flow Assurance Issues
* Well Performance Evaluation
* Flowline Operations
* Flow Assurance Mitigations

3454

# Unyime Asuquo Ekpenyong

## Fundamentals of Flow Assurance

## 5th - 9th November , 2018

* Introduction to Flow Assurance
* Reservoir Deliverability
* Petroleum System Analysis/Drive Mechanism
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* Flow Assurance Mitigations

3455

# Etia Justice Christopher

## Fundamentals of Flow Assurance

## 5th - 9th November , 2018

* Introduction to Flow Assurance
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3456

*Ilechukwu Abraham okenwa*

Fundamentals of Flow Assurance

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* Petroleum System Analysis/Drive Mechanism
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* Flow Assurance Mitigations

*3457*

*Etarigho Lucky*

Rotating Equipment Start-Up, Operation, Maintenance and Troubleshooting

26th - 30th November, 2018

* Introduction of Lubrication Engineering
* Compressors Classification and Maintenance
* Operating Problems and Solution to Compressors
* Bearing Maintenance and Installation
* Corrosion of Rotating Equipment
* Pump Principles and Classification
* Operating Problems and Solution to Pump
* Vibration and Condition Monitoring of Pump and Compressors

*3458*

*Uwhubetine Obukowho Thomas*

Rotating Equipment Start-Up, Operation, Maintenance and Troubleshooting

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* Operating Problems and Solution to Compressors
* Bearing Maintenance and Installation
* Corrosion of Rotating Equipment
* Pump Principles and Classification
* Operating Problems and Solution to Pump
* Vibration and Condition Monitoring of Pump and Compressors

*3459*

*Ememoh Avwoghoyeri*

Surface Production Facilities Operations

26th - 30th November, 2018

* Basic Reservoir Engineering
* Wellhead and Flowline Network and Choke Selection
* Emulsion Treatment
* Crude Oil Separators
* Laboratory Analysis
* Instrument Panel
* P.D. Meters
* Stage Separation
* Valves and Pumps
* Flowline/Pipeline Maintenance

*3460*

*Enemiku Judith*

Surface Production Facilities Operations

26th - 30th November, 2018

* Basic Reservoir Engineering
* Wellhead and Flowline Network and Choke Selection
* Emulsion Treatment
* Crude Oil Separators
* Laboratory Analysis
* Instrument Panel
* P.D. Meters
* Stage Separation
* Valves and Pumps
* Flowline/Pipeline Maintenance

*3461*

*Irogbo John Oghenefego*

Surface Production Facilities Operations

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* Laboratory Analysis
* Instrument Panel
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* Stage Separation
* Valves and Pumps
* Flowline/Pipeline Maintenance

*3462*

*Owhoruviowho Orevaoghene Agnes*

Surface Production Facilities Operations

26th - 30th November, 2018

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* Laboratory Analysis
* Instrument Panel
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* Stage Separation
* Valves and Pumps
* Flowline/Pipeline Maintenance

*3463*

*Samuel Patience*

Surface Production Facilities Operations

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* Emulsion Treatment
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* Laboratory Analysis
* Instrument Panel
* P.D. Meters
* Stage Separation
* Valves and Pumps
* Flowline/Pipeline Maintenance

*3464*

# PETROLEUM TRAINING INSTITUTE
# NIGERIA

## CERTIFICATE

## This is to certify that

**Egbo, Kienimovie Noble**

attended a course

Proficiency in Electrical Power Systems Technology

conducted by the Institute from

October to December, 2018

The Course covered the following Subjects:

* Electrical Installation
* Cable Joining and Termination
* Electrical Motor Controls
* Switch Gear Operation and Maintenance
* Health, Safety and Environment (HSE)
* Entrepreneurship Development
* Computer Appreciation and Application

REGISTRAR

HEAD OF DEPARTMENT

PRINCIPAL

Serial No. 3465

# *Abeki, Oviekpasime James*

Proficiency in Electrical Power Systems Technology

October to December, 2018

* Electrical Installation
* Cable Joining and Termination
* Electrical Motor Controls
* Switch Gear Operation and Maintenance
* Health, Safety and Environment (HSE)
* Entrepreneurship Development
* Computer Appreciation and Application

*3466*

# *Appah ,Tedieta Melford*

Proficiency in Electrical Power Systems Technology

October to December, 2018

* Electrical Installation
* Cable Joining and Termination
* Electrical Motor Controls
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* Entrepreneurship Development
* Computer Appreciation and Application

*3467*

*Agbasa, Dieovietor*

Proficiency in Electrical Power Systems Technology

October to December, 2018

* Electrical Installation
* Cable Joining and Termination
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* Health, Safety and Environment (HSE)
* Entrepreneurship Development
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*3468*

*Agbasa, Abraham Hill*

Proficiency in Electrical Power Systems Technology

October to December, 2018

* Electrical Installation
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* Electrical Motor Controls
* Switch Gear Operation and Maintenance
* Health, Safety and Environment (HSE)
* Entrepreneurship Development
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*3469*

*Benibo, Boma Levi*

Proficiency in Electrical Power Systems Technology

October to December, 2018

* Electrical Installation
* Cable Joining and Termination
* Electrical Motor Controls
* Switch Gear Operation and Maintenance
* Health, Safety and Environment (HSE)
* Entrepreneurship Development
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*3470*

*Bibi, Esene Dearson*

Proficiency in Electrical Power Systems Technology

October to December, 2018

* Electrical Installation
* Cable Joining and Termination
* Electrical Motor Controls
* Switch Gear Operation and Maintenance
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*3471*

*Egba, Naira Lambert*

Proficiency in Electrical Power Systems Technology

October to December, 2018

* Electrical Installation
* Cable Joining and Termination
* Electrical Motor Controls
* Switch Gear Operation and Maintenance
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* Entrepreneurship Development
* Computer Appreciation and Application

*3472*

# *Ekpokpo, Stephen Bokefeye*

Proficiency in Electrical Power Systems Technology

October to December, 2018

* Electrical Installation
* Cable Joining and Termination
* Electrical Motor Controls
* Switch Gear Operation and Maintenance
* Health, Safety and Environment (HSE)
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*3473*

*Emmanuel, Achese*

Proficiency in Electrical Power Systems Technology

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*3474*

*Egbo, Donald*

Proficiency in Electrical Power Systems Technology

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*3475*

*Egba, Precious Claudius*

Proficiency in Electrical Power Systems Technology

October to December, 2018

* Electrical Installation
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*3476*

*Egba , Tovie Mongu*

Proficiency in Electrical Power Systems Technology

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*3477*

# *Eketiomo, Suweze Abeze*

Proficiency in Electrical Power Systems Technology

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*3478*

# *Egemuze, Igwe Righteous*

Proficiency in Electrical Power Systems Technology

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* Cable Joining and Termination
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*3479*

*Godwin, Oro*

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*3480*

*George, Awolowo God'swill*

Proficiency in Electrical Power Systems Technology

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*3481*

# *Ikekwa, Izibenadu George*

Proficiency in Electrical Power Systems Technology

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*3482*

*Ikete, Yenesom Raphael*

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*3483*

# *Inie, Biobelemoye*

Proficiency in Electrical Power Systems Technology

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*3484*

*Ibani, Felix*

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*3485*

# *Meya , Chibogu Inesei*

Proficiency in Electrical Power Systems Technology

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*3486*

*Francis, Solomon*

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*3487*

# *Ikogori, Captain*

Proficiency in Electrical Power Systems Technology

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*3488*

*Jacob, Lucky*

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*3489*

*Jonathan, Isaac Uwulovie*

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* Electrical Installation
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*3490*

# *Johnbull, Columbus Ikiolamo*

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*3491*

*Kenigua, Seiyefa Elliot*

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*3492*

# *Michael, Christain Kpolovie*

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*3493*

*Mathew, Tosaminame Nelly*

Proficiency in Electrical Power Systems Technology

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*3494*

# *Osain, Kalizibe Charles*

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*3495*

*Odiga, Frank*

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*3496*

*Otobo, Kenneth*

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*3497*

# *Oyowei, Kpomtomze*

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*3498*

*Otobo, Robinson*

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*3499*

*Onana, Bekewei*

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*3500*

*Oruapere, Peremene Samson*

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*3501*

# *Pelesai, Canaan*

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*3502*

*Peter, Nickson*

Proficiency in Electrical Power Systems Technology

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*3503*

# *Rufus, Churchill Kingsway*

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*3504*

*Richard, Jacob Lawyer*

Proficiency in Electrical Power Systems Technology

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* Computer Appreciation and Application

*3505*

*Solomon, Raphael Elo*

Proficiency in Electrical Power Systems Technology

October to December, 2018

* Electrical Installation
* Cable Joining and Termination
* Electrical Motor Controls
* Switch Gear Operation and Maintenance
* Health, Safety and Environment (HSE)
* Entrepreneurship Development
* Computer Appreciation and Application

*3506*

*Samuel, Philemon George*

Proficiency in Electrical Power Systems Technology

October to December, 2018

* Electrical Installation
* Cable Joining and Termination
* Electrical Motor Controls
* Switch Gear Operation and Maintenance
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* Entrepreneurship Development
* Computer Appreciation and Application

*3507*

# *Sawyer Forson Woyengiemi*

Proficiency in Electrical Power Systems Technology

October to December, 2018

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* Electrical Motor Controls
* Switch Gear Operation and Maintenance
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*3508*

*Singiesi Tein-Ovie Peter*

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*3509*

*Uyadongha, Ebiarede Samuel*

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*3510*

*Wuradah, Godswill Duke*

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*3511*

*Yakie, Oviezibe Claudius*

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*3512*

# *Yelebe, Fammava Balius*

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*3513*

# *Ababigu, Eniniya*

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* Computer Appreciation and Application

*3514*

# *Enibelemini, Edwin Otom*

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* Entrepreneurship Development
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***3515***

*Gbenana, Yinzuo*

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*3516*

*Okhuba, Ebikebuna Kelvin*

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*3517*

*Oyaba, Castro Izibeya*

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*3518*

*Okotete, Doubra Collins*

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*3519*

# *Apuka, Doubra*

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*3520*

*Tangbe, Isaac Ayebi*

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*3521*

*Pondy, Ebi Titus*

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*3522*

# *Gorroh Uyaterimo Emmanuel*

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*3523*

*Okou, Joseph*

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*3524*

# Onome Okogu

Survey Methodology, Data Analysis And Report Writng

10th -14th December, 2018

*Report Writing

*Types, Attributes and Structure of Technical Report Writing

*Development of Research Question and Hypothesis

*Survey Methologies and Questionaire Design

*Data Collection and SPSS Basics

*Data Analysis Vsing SPSS and Excel

*Interpretation of Result and Drawing Conclusion

·*Business Intelligence & Predictive and Text Analysis

*Statistical Analysis Vsing Excel

3525

# Olanrewaju Zainab Ololade

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# *Isa-Sadiq Asmau*

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*3527*

# Sotunde Zeluwa Joy

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# Yahaya A. Sallau

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# Osondu Otisi Oko

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# Garba Maryam

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# Igbochi Mohammed

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# Ashimonye Jonathan Madu

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# Mohammed Nmaya

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# Mohammed Usman Koro

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# *Ajimijaye, Silas Omomehin*

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*3536*

# Salman Miftahu Olowo

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# Babagana Isah

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# Abdulahi Usman Halilu

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3539

# *Sanusi Umar*

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*3540*

# *Abdullahi Bala Panti*

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*Statistical Analysis Vsing Excel

*3541*

# *Patience Odiri Iyuke*

## Welding Appreciation

## Monday,10th -Friday 21st December, 2018

*Introduction to Welding

*Definition of Terms, Concepts & HSE

*Weld Symbols

*Welding Joint & Weld Types

*Gas Welding & Cutting Process

*Electric Arc Welding Processes

*Welding Procedures/Welder's Qualification

*3542*

# *Jesse Okiemute Iyuke*

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*Welding Joint & Weld Types

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*3543*

# *Silas Oghenochuko Iyuke*

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3544

# Hannah Oghenekevwe Iyuke

## Welding Appreciation

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3545

# Sunny Esayegbemu Iyuke

## Welding Appreciation

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*Welding Joint & Weld Types

*Gas Welding & Cutting Process

*Electric Arc Welding Processes

*Welding Procedures/Welder's Qualification

3546

# *Arukwe Mercy Udodinma*

## Introduction to Drilling Technology

## 21st-25th January, 2019

*Basic Geology

*Introduction to Petroleum Geology

*Exploration Methods and Well logging

*Basics of Casing and Cementing

*Drilling Pocesses and Drilling Mud

*Drilling Rig / Rig Move

*Well Pressure Control

*Pore Pressure Prediction

*Basic of Well Completion

*Drilling Practicals

*3547*

# Ativie Happiness Ikhianosen

## Introduction to Drilling Technology

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*Basic of Well Completion

*Drilling Practicals

3548

# Chidiogo Sharon Mbelede

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*Basic of Well Completion

*Drilling Practicals

3549

# *Egbetokun Victor*

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*Pore Pressure Prediction

*Basic of Well Completion

*Drilling Practicals

*3550*

*Okon, Aniekan E.*

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*Drilling Practicals

*3551*

# *Okonkwo Isioma Anne*

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*Pore Pressure Prediction

*Basic of Well Completion

*Drilling Practicals

*3552*

# Okpongete, Joseph

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*Well Pressure Control

*Pore Pressure Prediction

*Basic of Well Completion

*Drilling Practicals

3553

*Omiwi, Imoke Jacob*

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3554

# Omoseni Abioye

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3555

# Onajin Oluseyi

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*Drilling Practicals

3556

# *Emenoh Avwoghoyeri Princess*

## Well Test Design and Analysis

## 25th-29th March, 2019

*Fundamentals of Well Testing

*BHP Testing

*Basic Fluid Flow in Reservoir

*Reservoir Model

*Surface Well Testing Plan and Equipment

*Types of Well Test Analysis Plan

*Drill Stem Test (DST)

*Production Well Test

*Well Test Diagnostic and Derivative Analysis

*3557*

*Enemiku Judith*

# Well Test Design and Analysis

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*3558*

*Inana Prince Akpobome*

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3559

# Irogbo John Oghenefego

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3560

# Tarkah Victor Philip

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3561

*Umeh Chinedu Kingsley*

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*3562*

*Alekhojie Sunny Black Irhiobose*

Surface Facility Production Operations

1st - 5th April, 2019

* Basic Reservoir Engineering
* Wellhead And Flow Line Network And Choke Selection
* Emulsion Treatment
* Crude Oil Separators
* Laboratory Analysis
* Instrument Panel
* P. D. Meters
* Stage Separation
* Valves And Pumps
* Flowline/pipeline Maintenance

*3563*

*Daibo Jereoma Kessington*

Surface Facility Production Operations

1st - 5th April, 2019

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*3564*

*Elvis Joseph Anokwuru*

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*3565*

# Obilo Christopher Uche

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3566

*Nwabuzor Kingsley Desmond*

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* Flowline/pipeline Maintenance

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# DESTINY ENGINEERING

## About The Author

Evangelist Vincent Udume Odogbor, (JP) is the founder and senior pastor of Faith Ambassadors of Christ Church Int'l a.k.a. Grace Bowl. He is blessed with a beautiful wife Pastor Blessing Udume-Vincent and among other sons and daughters, David O'tega Wealth Udume-Vincent whom God used to defile and demystify medical reports of multiple fibroids which required a major surgery as the only option, became our first fruit without surgery or any complication. We are expecting the others.

Conversion: Evangelist Vincent, was supernaturally converted by the mighty hands of God and was delivered from 15 years of chronic addiction of drug use, alcohol, cigarettes and marijuana. He was also a known womanizer, but all of that is history.

The miraculous deliverance took place in a very dramatic but instantaneous way in less than an hour on the 16th of October 2011, and the whole addiction was gone. Ever since then, He has been on the go for the LORD, holding revivals, crusades and healing sessions all across Nigeria and by the mandate given to him by God to 182 nations of the earth in all the continents of the world winning souls for the LORD.

The Mandate: After his strange encounter with God, the Lord commissioned him with the "Restoration Mandate" revealed from Hebrews 11:6 to restore, build and establish Faith Ambassadors all over the world in 182 nations. His assignment is to mend broken destinies, homes, marriages, businesses, relationships, and to bring divine healing to the sick and oppressed and to turn them to have faith in God absolutely, again. The restoration mandate is Gods agenda for the end time as many have given up and have turned away to other gods.

Evangelist Vincent Udume, is a graduate of Political Science from Delta State University, Abraka. And also has other trainings in theology and leadership from Nazareth Israel. And has worked with different government and private establishment until 2015, when he resigned in obedience to a call into full time ministry. He has planted two flourishing churches and more to come.

Evangelist Vincent Udume Odogbor is a Jerusalem Pilgrim!

Shalom!

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THE BELIEVER'S CULTURE VINCENT O. UDUME

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