



INSTITUTE *for*
INDUSTRIAL TECHNOLOGY

A project of African Development Foundation

Transforming Lives...

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Transforming Lives

The Institute for Industrial Technology (IIT) is a social project set-up with the aim of addressing the problems of poverty and youth unemployment in Nigeria through technical vocational education and training.

For over 20 years we have continued to touch and transform lives of youths from poor families. Each year we admit a minimum of 48 school leavers (96 school leavers maximum) on scholarship for 3 years. We could do more if we have the necessary support. Our target is to integrate urban male youths from low-income families into the work-place so that they become productive and contribute to the economy.

Beneficiaries of IIT's school leavers programmes are usually between the age of 16 and 23. This target group tend to embrace lifestyles that may be anti-social if not attended to. By passing through IIT programmes, they become multi-skilled tradesmen easily employable in any engineering industry. In this way, IIT helps to break the cycle of poverty.

To ensure the sustainability of this project, we train other categories and offer technical services to industries. Through this we raise funds to support this project. We also try to get support from well-meaning companies, NGO's and

individuals through donations of funds for student scholarships, equipment, machinery, and training partnerships. Over the years, several individuals and organisations have contributed a great deal to the success of this project.

We would like to use this medium to ask for your generous support in order to continue this wonderful project.

We hope to hear from you as we eagerly await your assistance.

Basic Description

Institute for Industrial Technology (IIT) is a private sector, non-governmental and not-for-profit social initiative set up to provide technical vocational education and training with emphasis on education in values to youths from families with limited resources so that they develop, help their families and be of service to the industry and society. The Institute places special emphasis on urban male youth from low income families who are prone to social vice if not properly engaged due to the pressures of city life.

From the on-set, IIT has also catered for the needs of industry through provision of practical hands-on engineering skills training to currently employed workers of industries such as operators, technicians and engineers in selected technologies. Simply put, IIT is a technical training institution. It started operations on March 27, 2000.

IIT obtained its license to operate as a Technical Vocational Education and Training (TVET) institution from the Lagos State Ministry of Education on the 6th of May, 2006.

Ownership / Governance / Management:

IIT is a project of African Development Foundation (ADF), a not-for-profit educational and social welfare foundation established in 1994 by some well-meaning citizens of Nigeria. Through the IIT, ADF aims to address the widespread poverty and youth unemployment in the country using technical-vocational education and training programs.

IIT is managed through a Governing Council set-up by ADF. The IIT Governing Council is responsible for the overall governance of the school. The Governing Council appoints the Director and the Management team of IIT. This executive team is responsible for the management and running of the Institution.

Other specific characteristics of the school include:

- Within the institute an integrated method of teaching in which theory and practice go hand in hand is used. Practical content is high (70%).
- Training imparted has a two-fold dimension; technical capability and work values (encouraging participants to imbibe the right attitude to work and work ethics). These form the distinguishing features of our trainees and graduates.
- Continuous updating/retraining of teachers/instructors in relevant technology is also pursued.
- Emphasis is placed on continuous investment in standard and up-to-date training equipment/technology.

AFRICAN DEVELOPMENT FOUNDATION (ADF) BOARD OF TRUSTEES

- Mr. Tony Oputa (Chairman)
- Col. (Rtd.) Paul Obi
- Mr. Sam Obaze
- Mr. Godwin Osuji
- Arc. Jess Castollote
- Mr. Jide Ogunyemi
- Mr. Francis Onwumere
- Mr. Ikechukwu Onuoma (Esq)
(Secretary)

IIT GOVERNING COUNCIL MEMBERS

Mr. Victor Braimah (Chairman)

Sir. Tunji Makun

Mr. Peter Bankole

Mr. Kingsley Ekwem (Esq)

Mr. Ernest Ikeh

Prof. Chimezie Anyakora

Dr. Darlington Agholor

Dr. Norbert Edomah

Mr. David Okechukwu (Director, IIT)
(Secretary) d.okechukwu@iit.edu.ng /
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**REGULAR TRAINING
PROGRAMMES**

1,300

ADMITTED

955

GRADUATED

240

CURRENTLY ON TRAINING

**COMPANY TRAINING
PROGRAMMES**

1,234

ADMITTED

1,222

GRADUATED

2,134

SHORT COURSE PARTICIPATION



Alleviating Poverty. Empowering the Youths. Filling the Skills gap

SCHOOL LEAVERS PROGRAMMES

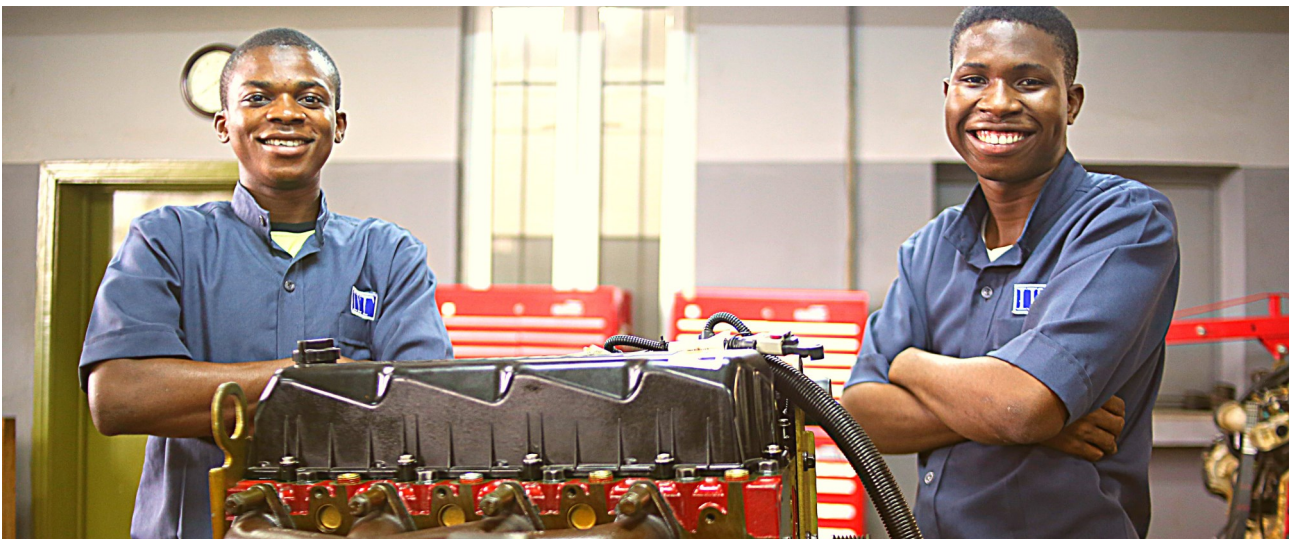
- ELECTROMECHANICS (28-month Competency Certification)
- ELECTROTECHNICS (28-month Competency Certification)

GRADUATE / WORKERS PROGRAMMES

- MECHATRONICS (6-month Competency Certification)
- SPECIALLY DESIGNED PROGRAMMES (Competency Certification)

COMPANY SERVICES

- SHORT COURSES
- SKILL MATRIX, MAN-POWER ASSESSMENT, NEEDS ANALYSIS AND CURRICULUM DEVELOPMENT
- INSTALLATION AND MAINTENANCE SERVICES
- RECRUITMENT SERVICES





EZEKIEL GODWIN

Ezekiel Godwin Onaigbaigha hails from an Ijaw tribe at Arogbogbo in Ondo state. Born and raised in a polygamous home in Lagos, his parents were only able to offer him a secondary education.

His mother, Mama Blessing, lives in a shanty along the road at the Isheri North hinterland about 500 meters to the Institute for Industrial Technology (IIT). A very resourceful Ijaw matriarch at the Isheri North Ijaw community. Apart from her petty business of farming, fishing and trade she also serves as an icon of justice for the peace for the Ijaw communities in the neighbourhood.

After his secondary education at Ikorodu, Godwin went to live with his mother, to support her and care for the family. He picked up his mother's trade and did it diligently. As years passed, Godwin's hope to further his education gradually diminished.

One of IIT's security officers was able to spot Godwin and advised him to apply for admission to IIT.

"I was delighted. I have seen many IIT students pass by my home and I have always nurtured the desire to be like them."

Godwin was offered admission to IIT but was unable to pay the fees. Three years later he completed his training at IIT thanks to the generous support of the "Friends of IIT"

Godwin finished his In-Company-training at Unilever Nig. Plc. Agbara. Graduated 2015 and now works at AP foods as an Electrical Maintenance Technician.

Godwin takes care of his mother and siblings. He rented a better apartment for them. Apart from his frequent visits, he sends them regular income for upkeep. Godwin also supports Friends of IIT.

SUPPORT

Friends of IIT:

A pool of donated funds, by individuals and corporate bodies who support and encourage the mission of IIT, to help specific students in need.

Regular Programme Type: ELECTROMECHANICS (Full-Time / 3 years)

Programme Description

This is 3-year dual training programme designed to convert secondary school and technical college school leavers into technicians capable of working in modern manufacturing and engineering support services sector. The programme is composed of a period of in-school training and in-plant/in-company training.

Programme Objectives

To multi-skill student-trainees as a way of developing maintenance personnel for modern integrated manufacturing systems for high - speed output. The program transforms the participants into multi-skilled technical professionals able to effectively troubleshoot and diagnose causes of line, machine or equipment failure and correct such faults quickly and so make for efficient line production. It makes participants more effective in preventive maintenance and so become more cost effective. The participants, because of their broad skills, are effective in installation work and can respond quickly to the changing technical needs of the company.

IIT 2023

33rd class	617 admitted	458 graduated
102 total students in training	45 on in-company-internship and awaiting graduation	57 within training facility



Electromechanics Curriculum

(this does not consist of all modules)

Programme Modules	
General	
1	Technical Mathematics
2	Computer Aided Communication
3	Technical Communication
4	Computer Aided Drafting
5	Work Ethics Programme
6	Engineering Drawing /Blueprints
7	Industrial Safety
Mechanical	
8	Mechanical Measurements & Fitting
9	Turning & Fitting
10	Milling & Fitting
11	Shaping & Fitting
12	Grinding & Fitting
13	Mechanical Drives and Lubrication
14	Welding (Electric Arc & Gas)
15	Pumps and Compressors
Electrical	
16	Fundamentals of Electricity and Electronics
17	Digital Techniques and Logic controls
18	Industrial Electronics
19	Building Wiring
20	Electrical Motor Controls & Maintenance
21	Variable Speed Drives
Automation	
22	Fundamentals of Pneumatics
23	Fundamentals of Hydraulics
24	Electropneumatic Controls
25	Fundamentals of Programmable Logic Control (PLC)
In - Company	
10 months in-company training/internship	

Partner companies and IIT jointly design and monitor the in-company training component.



UBONG EMMANUEL

Ubong Emmanuel Umoh is Efik from Nsit Atil Local Government Area in Akwa Ibom State. Although he was born in Lagos State, he spent most of his years growing up at Ifo Local Government Area, Ogun State.

Emmanuel's father, known as Papa Emma, is a commercial bus (danfo) driver. Although he spends most of his earnings on vehicle maintenance he has taken it upon himself to ensure his children receive secondary education. Emmanuel's mother, known as Mama Righteous, is a housewife. She spends her time taking care of each member of the family. Emmanuel is the first child of 5 children.

In order to support the family after my secondary education, I learnt how to cut hair and practiced for about a year at the home for whoever needed my services since I couldn't afford a shop or find a saloon owner to work for. Later, I decided to work as a clerk in a laundry outfit where I learnt how to iron all types of clothes.

I got to know about IIT from a customer at the laundry outfit. I took the IIT entrance examination and went through the rigorous screening process. I was successful and admitted with a partial scholarship to study Electromechanics but I couldn't afford the fees.

After some months, Emmanuel received a full tuition scholarship from Cummins West Africa and resumed immediately.

I find time to study every day. IIT gives me hope and every day I learn new things which I know will be beneficial to me in the future.



ELECTROTECHNICS PROGRAMME

Regular Programme Type: **ELECTROTECHNICS** **(Full-Time / 3 years)**

PROGRAMME DESCRIPTION

This is 3-year dual training programme designed to convert secondary school and technical college school leavers into technicians capable of working in the power supply systems and field services. The programme is composed of a period of in-school training and in-plant/in-company training.

PROGRAMME OBJECTIVES

Develop field service technicians capable of installation, commissioning and maintenance of components of power generation and distribution systems, electrical installations and building management systems.

IIT

12th class	202 admitted	100 graduated
77 total students in training	37 on in-company- internship and awaiting graduation	40 within training facility

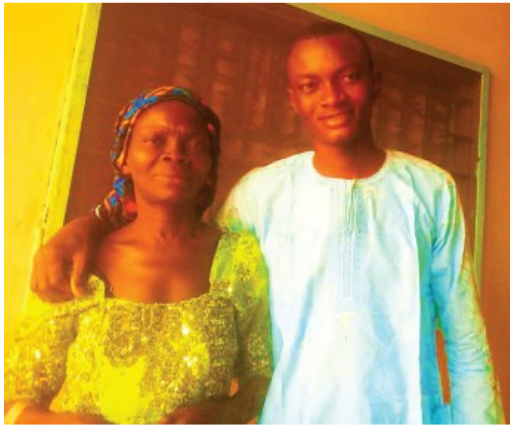


Electrotechnics Curriculum

(this does not consist of all modules)

Programme Modules	
General	
1	Technical Mathematics
2	Computer Aided Communication
3	Technical Communication
4	Computer Aided Drafting
5	Work Ethics Programme
6	Building/Engineering Drawing
7	Industrial Safety
Mechanical	
8	Mechanical Measurements & Fitting
9	Mechanical Transmission and Drives
10	Welding (Electric Arc & Gas)
Electrical	
11	Fundamentals of Electricity and Electronics
12	Fundamentals of Embedded Systems
13	Power Generation, Transmission and Distribution
14	Building Wiring
15	Industrial Electronics
16	Electrical Motor Controls & Maintenance
17	Variable Speed Drives
18	Solar Energy Systems
19	Building Management Systems
Automation	
20	Industrial Pneumatics and Controls
21	Data Acquisition and Controls
22	Fundamentals of Programmable Logic Control (PLC)
In - Company	
10 months in-company training/internship	

Partner companies and IIT jointly design and monitor the in-company training component.



SOLOMON OJARIGHO

Solomon Ojarigbo is a native of Orogun, Ugheli South Local Government area of Delta State. Although he grew up in Delta and Ondo State, he also spent some years in Lagos State.

After my secondary education, I spent some time taking care of my mum. My dad is late so I had to work in order to earn a living to support myself. I worked with so many individuals and small firms such as construction sites, water production companies, cement-block making factories and car wash outlets. I also hawked items on the street and spent some time farming.

I got to know about IIT through my elder brother's friend. I travelled down to Lagos to visit IIT and to enquire about the tuition. The tuition was impossible for me to pay. Luckily, at that moment, the Guinness—IIT scholarship was ongoing. I applied and went through the rigorous screening exercise and was successful. I was admitted into the Electromechanics programme and offered scholarship.

While in school, I also tried to earn a living in order to take care of my daily expenses most especially feeding. Sometimes in IIT some students receive free lunch (especially those who can't pro-

vide for themselves). This is made possible as a result of the generous contribution of some staff, students and alumni.

After the first phase of my intensive training within the IIT training facility, I began the second phase of my training at Chisco Transport Limited as an auto technician. I had a wonderful experience at the automobile industry. Even as an Intern, I was assigned huge responsibilities, but with the training I received from IIT, I was able to learn fast and contribute to the system.

I now work with Chisco Transport Limited in various capacities. I work as a maintenance officer, operations and workshop administrator, and part-time auto technician. Even though I am employed, I will be graduating this year and I would like to give my sincere thanks to IIT and Guinness Nigeria who have made this dream possible, giving me a brighter future and putting me on the right track. From both sponsors, I have received an education that is professional and with sound ethical values without having the necessary means to support myself. IIT is such a wonderful place to be, you always feel respected and everyone cares about you.

WAYS TO SUPPORT

SUPPORT A STUDENT (Scholarship Provision)

CONTRIBUTE TO IIT'S ENDOWMENT FUND

DONATE TOOLS / EQUIPMENT

School Leavers Programme: Tuition is N4,000,000 for 3 years (28 months).

Graduate/Workers Programme: Tuition is N1,500,000 for 6 months.



WHERE OUR GRADUATES WORK

A & P Foods
Adeco West Africa
Air Separation Nig Ltd
Amsel Ltd
Briscoe
British American Tobacco Nigeria
Cadbury Nigeria Plc
CFAO Group
Chi Ltd
Cliché
Conserveria Africana Ltd
Consolidated Breweries
Cummins West Africa
Daily-Need Group
Ekha Agro Processing Ltd
Emzor Pharmaceuticals
Ethylene Products and Lubricants Ltd
Facilities Limited
Fan Milk
Folawiyo Energy Ltd
Friesland Campina WAMCO Nigeria Plc
GlaxoSmithKline Nigeria
Golden Sugar
Guinness Nigeria Plc
Hayat Kimya Nig Ltd
Honeywell Superfine Foods
Haier Paterson Zochonis (Hpz) Limited

International Breweries
Krones LCS Center West Africa Ltd
Leventis Foods Ltd
Mitsulift Nigeria
Mouka Ltd
Nampak Nigeria
Nestle Foods
Nestle Nigeria Plc
New Age Beverages (NAB)
Nigerian Bottling Company Ltd
Nigerian Breweries Plc
Nigerite Ltd
Nutricima (PZ Cussons) Nigeria
Pan-Atlantic University
Procter & Gamble
Promasidor
PZ
Robert Johnson (Nig) Ltd
SunFlag
Tantalizer
Tetra Pak West Africa Ltd
Deli Foods
Toptech
Tropical Natural
UAC Dairies
UAC Foods
Unilever Nigeria Plc

The Institute for Industrial Technology (IIT) started operations on March 27, 2000 at Carnaud Metalbox Nig. Plc, now known as Nampak Nig. Plc. For 6 years it operated from Nampak's workshop.

IIT was approved by the Lagos State Ministry of Education in May 2006 and moved to its permanent site at Isheri North in December same year.

Its permanent site covers a total floor space is about 1500sqm. The building occupies 3 floors with the following spatial distribution:

Entrance lounge/Reception

Administrative offices.

Cloak/changing room.

Document room

Counseling room

Chapel room

Board room

Automation Laboratory.

Library/Study room

Electronics laboratory.

Electrical laboratory.

Mechanical workshop.

Welding workshop.

ICT laboratory.

Engineering drawing room.

Classrooms.

Cafeteria

Store

Our classrooms/laboratories are world class standard and can sit 24 students at a time. This ambience helps to recondition the minds of these young youths who are used to rough environments. The laboratories/workshops have furniture/training equipment obtained through donations. Some of these are:

Pneumatics & Electro-pneumatics trainers.

Process control trainers.

PLC trainers with computers.

Power electronics trainers.

Electrical installation simulators.

Other training media including multimedia projector, overhead projectors, magnetic white boards, etc.

Variable Speed Drives trainers.

Hydraulics trainers.

Mechatronics trainer -4 stations.

Digital electronics trainers.

Complete Mechanical workshop equipment.

Operating from permanent site



Alleviating Poverty. Empowering the Youths. Filling the Skills gap

