

Abbey, Gideon Folahan

Address: 17 Folarin Street, Magodo-Isheri, Lagos State.

Email: gideonabbey74@yahoo.com

Phone number: +2348130853142

EDUCATION

Federal University of Technology, Akure (FUTA)

Bachelor of Engineering in Agricultural Engineering

Second Class Upper Hons. (IETS: 7.0)

Akure, Nigeria

Oct. 2013 – Oct. 2018

RESEARCH EXPERIENCE

Centre for Research and Development (CERAD)

Research Intern

FUTA, Nigeria.

January 2018 – Aug. 2018

- Carried out field experimental procedure and soil sampling to determine hydraulic infiltration, water repellency and sorptivity.
- Determination of the water infiltration rate using a Minidisk Infiltrometer.
- Carried out the soil moisture test and determination using soil moisture meter.
- Determined the coordinates of the point using a global positioning system to calculate and elevation of each point on the field under study.
- The use of ARCGIS, QGIS and R-programming skills in collection and statistical information.

Agricultural and Environment Engineering Department

The Automation and Electronics Laboratory

Research Assistant

FUTA, Nigeria.

July 2016 – Aug. 2018

- The design of automatic seed counting system, feeding system for chickens, automatic incubator.
- Carried out research on smart and efficient irrigation by using IoT based systems.
- Carried out project on IoT based monitoring system for weather.
- Involved in image and colour sensing related project using python data analysis.
- Efficiency and Intelligent light control system design.
- Participated in the design of an automatic power supply system.

Soil and Water Research Laboratory

Undergraduate Research Intern

FUTA, Nigeria.

Jan. 2017 – Aug. 2018

- Involved in experimental soil samples collection.
 - Data acquisition, manipulation and interpretation relating to natural resources management.
 - Determined the moisture contents, nutrients, organic matter, pH, EC and CEC of different soil samples.
 - Carried out evaluation of spatial variability of unsaturated hydraulic conductivity.
 - Carried out in-class and on-field project in line with soil remediation.
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TECHNICAL SKILLS

- Electrical instrumentation and Industrial Automation
- Computer hardware maintenance, troubleshooting and repair
- Web/App Development
- Proficient in C, Solidity, Html/CSS, Javascript and Python programming language
- Microsoft Office (MS Word, Powerpoint, Excel, etc)

- Machine design with the use of 3D software

ACADEMIC SEMINARS AND PROJECTS

Prof. Fasinmirin J. T and Abbey G. F (October, 2018) - Determination and Evaluation of Spatial Variability of an Unsaturated Hydraulic Conductivity of Soil Using Geographical Information System (GIS).

Abbey G. F (July, 2018) – A Seminar Presentation on Digital Technology, Biosensors, and Automation; Game changer in Agriculture.

Abbey G. F (January, 2018) – A Seminar Presentation on Recent Development in the Drying Techniques of Food Products.

PROFESSIONAL EXPERIENCE

- Home automation installer engineer and programmer in Wave Electronics LTD. Lekki Lagos (March 2019-Till date)
- Automobile maintenance and servicing: 6 months internship at Napmantronix LTD, Lagos. (June 2017 – December 2017)
- Home electrification and installation: 3 months internship at Leviticus Audio and Acoustics (August 2016 – December 2016)

ACHIEVEMENTS/RESPONSIBILITIES

- Design of an android app (Trace) that can be used to trace devices or gadget using Google map API (FUTA)
- Design and building of an Automatic Seed Counting System incorporated on an already built solar powered seed planter (FUTA)
- Building of an Automatic Feeding System for chicken of different maturities (FUTA)
- Building of Automatic Incubator (FUTA)
- Initiator of BEAM initiative (An Initiative that trains students on the campus on how to harness the power of engineering to build the society)
- Initiator of FutaHub (A business platform or society that brings people together to solve an impending problem)
- Awarded as innovator of the year 2018 by Nigerian Students Entrepreneurship Award 2018 (NISEA2018)
- Awarded as the Entrepreneur of the year 2018 by Christ Apostolic Church Campus Fellowship Futa (CACCF FUTA 2018)
- Design and model of several instrumentation and automation systems in Security, Health, Social and Environmental

HOBBIES/INTEREST

- Documentaries and sci-fi movies
- Cosmology
- Research and New Findings
- Computer Programming

REFEREES

Engr. (Dr.) Habeeb A. Yusuf

M.Sc., Federal University of Technology, Akure.
Ph.D., University of British Columbia (UBC), Canada
Phone number: (+234) 8068685119
Email: hayusuf@futa.edu.ng

Professor Fasinmirin J. T

M.Sc., Federal University of Technology, Akure.
Ph.D., Federal University of Technology, Akure.
Phone number: (+234) 8057107176
Email: jtfasinmirin@futa.edu.ng