

## CURRICULUM VITAE



**Engr. Anthony Izirein Unuigbe, M.Eng, B.Eng(Benin), R.Eng, MNSE**

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**FACULTY:** Engineering and Technology

**DEPARTMENT:** Industrial and Production Engineering

### **BRIEF INTRODUCTION:**

Engr. Anthony Unuigbe is a registered Professional engineer with the Council for the Regulation of Engineering in Nigeria(COREN). A lecturer 1 in the Department of Industrial and Production Engineering, with over 18 years industrial experience in Manufacturing and Engineering Consulting, and over 7 years experience in collaborative and independent research works in different areas of interest. He is currently on his PhD degree programme.

### **Areas of Expertise:**

1. Mechanical Building Services Design
  - Piping, Plumbing and Drainage systems design,
  - Bulk/Domestic water supply and Pipeline distribution network design.
  - Design of Ventilation and Air-Conditioning Systems
  - Fire Prevention Design: Sprinkler system, Fire Hose Reel System, Selection of fire extinguishers.
  - Preparation of working drawings using AutoCAD.
  - Project Supervision/Management.
2. Fabrication of Process Engineering
3. Small and Medium Scale business enterprise development and growth

**Research Interests:**

1. Optimization and the development of effective and efficient systems that will enhance the timely delivery of goods and services in small and medium scale enterprises.
2. Development and utilization of locally sourced raw materials
3. Development and adoption of indigenous technology in process engineering
4. Alternative energy sources

**Research Grants:** Non yet

**Postgraduate Supervision:**

1. Workforce Scheduling in a Palm Plantation using SPSS: A Case Study of Aden River Estates. 2015.

**Publications:**

1. **Unuigbe, A.I., Unuigbe, H.A., Aigboje, E.O., Ehizibue, P.A.**  
**“Assembly Line Balancing Using Fuzzy Logic: A Case Study of a Tricycle Assembly Line”**  
*Open Journal of Optimization*, Vol. 5, No.2, June 2016, pp.59-70
2. **Unuigbe, A.I., Unuigbe, H.A., Ehebhamen, B., Ekharefo, C.**  
**“Assembly Line Balancing Using Artificial Neural Network: A Case Study Of Tricycle Assembly Line”.**  
*Industrial Engineering Letters*, May, 2016. Vol.6, No.5, pp. 60-81.
3. **Anyata, B. U, Airiofolo, I. R, Abhulimen I. U, Haruna I. A, Unuigbe A. I, Akpan, E. I & Osawe, E**  
**“Application of Dynamic Programming in Water Resources Management: A Case Study of University of Benin Water Supply System, Ugbowo, Edo State, Nigeria”.**  
*International Journal of Research in Engineering & Technology*, Vol.2, Issue 9, Sept.,2014, pp.123-134.
4. **Oladeinde, M.H., Unuigbe, A.I.**  
**“Optimization of Resource Constrained Project Scheduling Problem with Fuzzy Activity Durations”**  
*International Journal of Academic Research*, March, 2012, Vol. 4, Issue 2, pp.175- 180.
5. **Ighalo, B. S. O. , Akpan, E. I. , Effiong Comfort, Unuigbe, A. I., Enin, G. N.**  
**“Garcinia Kola Seed Extract As A Corrosion Inhibitor On Stainless Steel In Alkaline Medium”.**  
*Journal of Scientific and Industrial Studies*, Volume 10, Number 1, 2012.  
 ISSN:1117-1693.

6. **Oladeinde, M.H., Unuigbe, A.I.**  
“A Numerical Simulation of Temperature Distribution and Power Loss of Slider Bearings Lubricated with Fluids Having Constant Viscosity”.  
*Journal of the Nigerian Association of Mathematical Physics.*  
*Vol. 18, 2011, Pgs 531-536*
7. **Oladeinde, M.H. , Edokpia, R.O., Unuigbe, A.I**  
“A Study of Static Performance of Fixed Inclined Slider Bearings—A Power Law Model”  
*Nigerian Journal of Engineering Research and Development (NJERD)*  
*Vol. 10, No. 2, April-June, 2011, Pgs 21-27*
8. **Igboanugo, A.C., Unuigbe, A.I**  
“Application of Regression Model to Workforce Scheduling In An Oil-Palm Plantation”.  
*Nigerian Journal of Engineering Management*  
*Vol. 8, No. 1, 2007, Pgs 27-30.*
9. **Unuigbe, A.I., Unuigbe, H.A., Aigboje, E.O.,**  
“Design and Development of a Wood Planning Machine”  
*Journal of Engineering Science and Applications,*  
*Vol.9, No.2, September,2016, Pgs 110-128*
10. **Unuigbe, A.I., Unuigbe, H.A., Aigboje, E.O.**  
“Investigation of the Efficiency of Castor Seed and Rubber Seed Oils in the Production of Oil Based Paints”  
*Journal of Engineering Science and Applications.*  
*Vol.9, No.2, September,2016, Pgs 74-78*