UNIVERSITY OF IBADAN, IBADAN
CURRICULUM VITAE

I (a) Name: Inyeneobong Ekoi Edem
   (b) Date of Birth: 22 July, 1976
   (c) Department: Industrial and Production Engineering
   (d) Faculty: Technology

II (a) First Academic Appointment: Lecturer II (10 June, 2016)
    (b) Present Post (with date):   Lecturer I (01 October, 2019)
    (c) Date of Last Promotion: 01 October, 2019
    (d) Date last considered (in cases where: Not Applicable
        promotion was not through)

III University Education (with dates)

   (a) University of Uyo, Uyo   1999-2006

   (b) University of Ibadan, Ibadan   2009-2010
   (c) Ladoke Akintola University of Technology, Ogbomosho   2012-2019

IV Academic Qualifications (with dates and granting bodies):
   (a) B.Eng. Chemical Engineering (University of Uyo, Uyo)   2006
   (b) M.Sc. Industrial and Production Engineering (University of Ibadan, Ibadan)   2010
   (c) Ph.D. Mechanical Engineering [Industrial/Production Engineering] (Ladoke Akintola
       University of Technology, Ogbomosho)   2019

V Professional Qualifications and Diplomas (with dates):
   (a) Registered Engineer, Council for the Regulation of Engineering in Nigeria
       (COREN) (R.35896)   2016
   (b) Enterprise Systems Knowledge with SAP (Certified Trainer)   2016
        (Certificate ID: ES-ENG-201603-P022)
   (c) SAP Certified Application Associate – Business Foundation and Integration with
        SAP- ERP 6.07 (Certificate ID: 0017096011)   2017
   (c) Enterprise Systems Fundamentals with SAP S/4 HANA (Certified Trainer)   2021
        (Certificate ID: cert.diwala.io/verification/e0be012b3c)

VI Scholarships, Fellowships and Prizes (With Dates in Respect of Undergraduate and
    Postgraduate work only):
    Nigeria-Sao Tome and Principe Scholarship (M.Sc.)   2010-2011

VII Honours, Distinctions and Membership of Learned Societies:
   (a) Best Graduating MSc Student   2010/2011
       Department of Industrial and Production, Engineering, University of Ibadan
   (b) Corporate Member, Nigerian Institute of Mechanical Engineers (E00229)   2014
   (c) Corporate Member, the Nigerian Society of Engineers (35187) 2014
   (d) Member, SAP - University Alliances Network   2016
   (c) Corporate Member, the Nigerian Institute of Industrial Engineers   2018

VIII Details of Teaching /Work Experience

Lecturer- Department of Industrial and Production Engineering   1999 - date
Courses Taught

Course Code	Course Title	Units	Year
MLS 403	Biomedical Engineering	4	2018 to date
TIE 311	Engineering Probability Statistics	3	2022/2023
TIE 415	Industrial and Product Safety	2	2016-2019
TIE 512	Applied Stochastic Processes	3	2018/2019 - 2021/2022
TIE 516	Maintenance Engineering	3	2016/2017 - date
TIE 521	Computer Aided Design and Manufacturing	3	2017/2018 - date
TIE 526	Special Topics in Industrial Engineering	2	2016/2017 - date
TEM 701	Modelling And Simulation For Engineering Management	3	2018/2019, 2021/2022
TEM 737	New Product Development	3	2018/2019
TEM 742	Engineering Stores and Spare Parts Management	3	2017/2018, 2021/2022
TEM 743	Reliability Engineering	3	2017/2018
TEM 744	Machinery and Equipment Maintenance	3	2018/2019, 2021/2022
TEM 745	Electrical and Electronics System Maintenance	3	2017/2018 - 2021/2022
TEM 746	Building Services and Maintenance	3	2017/2018 - 2021/2022
TIE 711	Statistical Methods for Engineers	3	2022/2023
TIE 723	Applied Systems Analysis	3	2020/2021- date
TIE 734	Terotechnology		2018/2019 - 2020/2021
TIE 736	Industrial Safety Management	3	2020/2021-2021/2022
TIE 740	Robotics in Manufacturing	3	2020/2021
TIE 746	Advanced Manufacturing Technology	2	2017/2018 -202/2021

IX. Other academic duties, administrative duties and community service

(1) 200 Level Advisor   (2021/2022)
(2) Undergraduate Coordinator (2018/2019 -2021/2022)
(3) 500 Level Advisor (2018/2019 -2021/2022)
(4) 300 Level Advisor (2021/2022)
(5) Member, Faculty of Technology Wellness Committee (2017/2018 - date)
(6) Member, Faculty of Technology Water Monitoring Committee (2017/2018 - date)
(7) Member, Faculty Timetable and Curriculum Committee (2018/2019 - date)
(8) Member, Faculty of Technology NSE Induction Planning Committee (2018/2019 - date)
(9) Faculty Representative, Academic Staff Union of Universities (2020/2021 - date)
(10) Member, University of Ibadan Vocational Hub Committee   (2021/2022 - date)
(11) Sub dean (Undergraduate) (2022/2023)

X. Research

(1) Safety and Systems Engineering
(2) Sustainable Energy Management
(3) Soft Computing

Xi. Publications

(1) **Edem, I. E.**, & Adebimpe, O. A. (2020). Development of an Artificial Neural Network-Fuzzy Markov Model for Industrial Accidents Forecasting. In A. E. Oluleye, V. O. Oladokun, & O.G. Akanbi (Eds.), Advancing Industrial Engineering in Nigeria through Teaching, Research and Innovation: A Book of Reading (38-70pp). Department of Industrial and Production Engineering, University of Ibadan. (Nigeria)

(2) **Edem, I.E** and Charles-Owaba, O.E. (2017). Food Processing Safety Programme Performance Using System Dynamics Principles: A Case Study of a Cocoa Processing Firm. Engineering Entrepreneurship for National Development: Proceedings of Nigerian Institute of Industrial Engineers, Conference Centre, University of Ibadan, Ibadan, 8-9 December, 2017. Ibadan pp. 143 – 158, Ibadan (Nigeria)

(3) Adebimpe, O. A., Oladokun, V. O., and **Edem, I. E.** (2021). Towards the Application of Pumped-Hydro Storage in Nigeria. Paper presented at the International Conference on Industrial Engineering and Operations Management, March 7-11, 2021. IEOM Society International: 2528-2537pp, (Singapore)

(4) **Edem, I.E.**, Oke, S.A., Adebiyi, K.A. (2016). A Disjoint Pair-Point Exponential and Time-Weighted Average Fire Accident Forecasting Model for Partial Information Availability Situations. International Journal of Management Science and Engineering Management, Vol 11, No. 3, 155-166. (England)

(5) **Edem, I.E.**, Oke, S.A., Adebiyi, K.A. (2016). A Modified Grey-Markov Fire Accident Model based on Information Turbulence Indices and Restricted residuals. International Journal of Management Science and Engineering Management, Vol 11, No. 4, 231- 242. (England)

(6) **Edem, I.E.**, Oke, S.A., Adebiyi, K.A. (2018). A Novel Grey-Fuzzy-Markov Pattern Recognition Model for Industrial Accident Forecasting. Journal of Industrial Engineering International, Vol 14, No. 3, 455-489. (Germany)

(7) Adebimpe, O. A., **Edem, I. E.**, and Ayodele, O. L. (2020). Investigation of the effects of starting pH, mass and retention time on biogas production using poultry droppings as feedstock. Nigerian Journal of Technology. Vol. 39, No. 1, 203-211. (Nigeria)

(8) Ighravwe, D. E., and **Edem, I. E.** (2020). Municipal Waste Management Sustainability in Developing Countries: An Analysis of Research Directions. The Journal of Solid Waste Technology and Management. Vol. 46, Issue 3, 328-341. (USA)

(9) Odedairo, B. O., Alaba, E. H., and **Edem, I. E**. (2020). A system dynamics model to determine the value of inventory holding cost. Journal of Engineering Studies and Research. Vol. 26, Issue 3, 112-123. (USA)

(10) Alao, O.M., Oladokun, V.O., & **Edem, I.E.** (2020). Qualitative Performance Analysis of Queue System in a Supermarket: A case study. Technix International Journal for Engineering Research (TIJER), 10 (6) 2349-9249 https://www.tijer.org/papers/TIJER2306323

(11) **Edem, I. E.**, & Akinsola, B. (2021). An approach to assessing human factors related occupational safety using behavioural observation-based indicators: The case of a construction site in Nigeria. Engineering and Applied Science Research. Vol. 49, Issue 2, 133-145. (Thailand)

(12) **Edem, I. E.**, & Olugbade, Q. O. (May, 2022). Biogas Substrates Performance Ranking Based

on Sustainability Potential, Biodegradability, and Yield Characterization: The Case of an Area in Southwest Nigeria. Nigerian Journal of Technology. Vol. 41, Issue 3, 444-453. (Nigeria) (Contribution: 80%)

(13) **Edem, I.E.** (2015). A Report on Engineering Experience: A Technical Report on Post Graduate Work Experience Submitted in partial fulfilment of the requirements for registration by The Council for Regulation of Engineering in Nigeria. 24pp. (Nigeria)

Links:

Google Scholar: https://scholar.google.com/citations?user=rGrBzCcAAAAJ&hl=en

Orcid: https://orcid.org/my-orcid?orcid=0000-0001-9800-0575