

CURRICULUM VITAE

Bio Data:

Name in full: Adebessin Akeem Adekunle
Date and Place of birth: 25th October, 1972,
Place of Birth: Abeokuta
Gender: Male
State of Origin: Ogun State
Number & age of Children: 16, 14, 12 & 7
Nationality: Nigerian
Marital Status: Married
Contact Address: No 3, Auntie Kemi Model College Road,
Adeyemi Extension, Ilaro, Ogun State
E-mail address: akeem.adebesin@federalpolyilaro.edu.ng
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Mobile Telephone: +2348034805311
Present Position: Senior Lecturer / Ag. HOD

Institutions Attended with Dates

- | | |
|--|----------------|
| a) Lagos State University, Epe Campus | 2019 till date |
| b) Covenant University, Ota, Ogun State | 2014- 2016 |
| c) Federal University, Oye- Ekiti | 2020 - 2023 |
| d) Federal University of Technology, Akure | 2004-2006 |
| e) The Polytechnic, Ibadan | 1995-1997 |
| f) The Federal Polytechnic, Ilaro | 1992-1994 |
| g) Abeokuta Grammar School | 1984-1990 |
| h) Professional Qualifications | |
| a) PhD in Mechanical Engineering | In view |
| b) Master-Industrial/Manufacturing Engineering | 2016 |
| c) Bachelor of Engineering | 2023 |

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| d) Post Graduate Diploma in Mechanical Engineering | 2012 |
| e) Higher National Diploma in Mechanical Engineering | 1997 |
| f) National Diploma in Mechanical Engineering | 1994 |
| g) NYSC Certificate | 1998 |
| h) Senior Secondary Certificate of Education | 1990 |

Membership of Learned Societies & Professional Bodies

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|---|---------------------|
| i. Member- Council for the Regulation of Engineering in Nigeria | COREN Regd R45741 |
| ii. Member- The Nigerian Society of Engineers | (MNSE) 46994 |
| iii. Member- Nigerian Institution of Mechanical Engineers | (MNI MechE) A0141 |
| iv. Member- International Association of Engineers | (MIAENG) (MN190312) |
| v. Fellow – Institute of Policy Management Development | (FIPMD) (RC 749491) |
| vi. Member- Nigerian Institution of Engineering Management | (MNIEM) |
| vii. Associate Member- Nigerian Institute of Management | (AMNIM) R59547 |

Working Experience

- 1) General Motors,
17, Creek Road,
Apapa. Lagos

- 2) The Federal Polytechnic, Ilaro
Ogun State

Academic Experience

(a) Teaching Experience

- i. Conduction of Practical on Machine Tools Technology and Practice (MEC 123)
- ii. Conduction of Practical on Computer Numeric Control Machine (MEM 416)
- iii. Conduction of Practical on Welding and Fabrication technology and Practice (MEC 217)
- iv. Conduction of Practical on Engineering Measurement (MEC 212)
- v. Conduction of Practical on Mechanics of Machines (MEC 315)
- vi. Conduction of Practical on Metrology (MEM 415)

(b) Courses Taught (Past & Present)

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|---------------------------------|------------|--------|
| i. Press & Cutting Tools Design | (MEM 323) | HME 11 |
| ii. CAD/CAM | (MEM 411) | HME II |
| iii. Engineering Design | (MEC 312) | HME 1 |
| iv. Machine Element Design 1 | (MEC 316) | HME 1 |
| v. Renewable Energy System | (MEP 324) | HME II |
| vi. Operations Management | (MEC 413) | HME II |

vii.	Engineering Materials and Applications	(MEC 414)	HME II
viii.	Mechanical Equipment in Building	(MEP 412)	HME II
ix.	Maintenance Management	(MEP 422)	HME II
x.	Machine Assembly, Installation and Commissioning	(MEM 424)	HME II
xi.	Foundry Technology & Practice	(MEM 343)	HME 1
xii.	Jigs & Fixtures Design	(MEM 425)	HME 11
xiii.	Machine Tool Processes	(MEM 422)	HME 11
xiv.	Safety and Environmental Engineering	(MEC 324)	HME 1
xv.	Research Methodology	(MEC 410)	HME 1

(c) Research Interest

- Design/ Production
- War on Garbage- Incineration & Landfill

Academic leadership position

- Chairman- Departmental Student's Project Committee
- Head- Instrumentation Unit
- Member- Departmental Research Committee
- Class Adviser: HME II

Professional Training/Workshop

- Adebesin, A.A** (2022) TETFUND sponsored Training/ Capacity building on the use of Special Science, Engineering and Technology (set) “ SKILL G” Equipment @ Innovation Start- Up Hub Centre, Abuja, (6th – 12th Novembe, 2022)
- Adebesin, A.A** (2022) AUTODESK Training/ Capacity Building Workshop Organized by Autodesk Networks (29th September, 2022).
- Adebesin, A.A** (2020) Workshop on Cybersecurity organized by eCapture Networks, PAN Africa Cybersecurity (5th July, 2020)
- Adebesin, A.A** (2020); SOLAROOOF: Closed Controlled Ecological Environment; A Workshop organized by the Nigerian Institution of Mechanical Engineers (NIMechE), Kaduna Chapter on 29th July, 2020.

- e) **Adebesin, A.A** (2020); Introduction to IoT and Arduino, A 3- Day Workshop Organised by Institute of Technology, Computer Science and Engineering in collaboration with Skilltohire.
- f) **Adebesin, A.A.** (2021); A Day Staff Development Seminar organized by the School of Engineering for the Departmental Exam. Officers, Class Advisers and Counsellors in the School of Engineering, Federal Polytechnic, Ilaro.
- g) Embedded System- Workshop/ training conducted by Lenhz Technologies (Oct.2017)
- h) A- 3 Day Mandatory Workshop for Prospective Corporate Members (NSE) (8413)
- i) A 3- Day Workshop on Fire Hazards @ Covenant University, Ota (June 29th-July 1st, 2016)
- j) Mechatronic Equipment Seminar/ Workshop at Federal Polytechnic, Ilaro. Dec. 2016
- k) Automed Workshop on Autotronic Engineering at Lagos Television, Agidingbi, Ikeja
- l) Ilaro ASUP 4TH National Conference on TVET and Vision 20:2020
- m) Digital Bridge Institute Training on Information & Communication (NCC Sponsored)
- n) Management Workshop on Conduct of Examinations
- o) Train the Trainers Workshop on the TVET/Skill ‘G’ Equipment
- p) 1st National Conference of the School of Engineering
- q) 2nd National Conference of the School of Engineering

Journal Publications: (Latest Publications)-(6)

- i. **Adebesin, A. A.** and Adedeji, K. A (2020): Sustainable Industrial Design with Ergonomics for a Street Sweeping Machine; International Journal of Engineering Applied Sciences and Technology, **ISSN No:** 2455- 2143; 5(2); 119- 125.
- ii. **Adebesin, A. A.** and Adedeji, K. A. (2020): Corrosive Environments Assessment in a Semi Urban Industrial Cluster, Journal of Research and Innovations in Engineering, Faculty of Engineering, University of Uyo, Akwa Ibom State, Nigeria.
- iii. Amosun, S.T. and **Adebesin, A. A.** (2020: Performance Evaluation of a Run Flat- Tyre; International Journal of Modern Trends in Engineering and Research. ISSN (Online): 2349-9745 ISSN (Print):7(4); 2393-8161 DOI: 10. 21884/ IJMTER. 2020.7020.SDFE3

- iv. Olayinka O.O and **Adebesin, A.A.** (2021); Global Warming and Climate Change: Challenges, Causes and Solution; Journal of Energy Technology and Environment, Nipes: www.nipes.org.ng
- v. Adelokun, N. O. and **Adebesin, A.A.** (2020); Internship for Engineering Graduate: A Panacea for Technological Development- A Paper Presented at College of Engineering, Lagos State University Virtual Conference, Epe Campus.

Previous Publications: (3)

- vi. Amosun, S.T and **Adebesin, A.A (2017)**; Development and Performance Evaluation of a Box-Type Solar Cooker- International Journal of Advanced Scientific and Technical Research (IJAST; 7(3)
- vii. **Adebesin,A.A.** and Oyawale, F.A.(**2019**). Development and Performance Evaluation of a Street Sweeping Machine, International Journal of Scientific and Engineering Research (IJSER) 10(4) April 2019, ISSN 2229-5518
- viii. Odunlami, S.A & **Adebesin, A.A. (2019)**. Ergonomic Modelling of Urban Buses Pedals Placement, International Journal of Advancements in Research & Technology (IJOART). 8(4), ISSN 2278-7763.

Textbooks Authored & co- authored:

Adebesin, A.A: New Concept in Jigs and Fixtures Design,
Femlight Prints, Library Road, Ilaro (2018) (**All Chapters**)
ISBN: 978- 978- 971-026-3

Adebesin, A.A & Chapi, S.P; Safety: Methods and Techniques,
Olasprint Publishers, 35, Akeju street, Shomolu, Lagos (2019) (**Chapters 1- 12**)
ISBN: 978- 978- 971- 025-6

Conference Papers: Latest

- i. **Adebesin, A. A** and Ibrahim, G. W (2022) Accident Prevention: A Road Marking Approach, 3rd International Conference, The Federal Polytechnic, Ilaro, Ogun State; 16th- 17th August, 2022.

- ii. **Adebesin, A. A.** and Amosun, S. T. (2021) Utilization of Coal, Natural Gas and Hydro for Sustainable Power Generation: A Review; 2021 National Engineering Conference of the Nigerian Society of Engineers, Theme: Expansion of the Energy Mix for National Economic Growth held at International Conference Centre, Abuja between 6th- 10th Dec. 2021
- iii. **Adebesin, A. A** and Olayiwola O. O (2021); Sustainable Environment and Air Pollution in a Cement Manufacturing Environment- 5th School of Engineering National Conference, The Federal Polytechnic, Ilaro, Ogun State; 6th-10th Nov. 2021
- iv. **Adebesin, A.A** and Adelakun, N. O (2020) Technical and Vocational Education and Training (TVET); A Necessity rime Reduction and Economic Transformation. 2nd International Conference, The Federal Polytechnic, Ilaro, Ogun State.
- v. **Adebesin, A.A** and Adedeji, K.A (2020); Design and Construction of a Street Sweeping Machine: A paper presented at the Academic Staff Union of Polytechnic, Barkin- Ladi Chapter, Plateau State.
- vi. **Adebesin, A.A** and Olaiya, O.O (2020); E- Learning and the Covid-19: Issues, Challenged and Observations. A paper presented at the 1st National Conference of the Nigerian Society of Engineers, Ilaro Branch, 2nd- 3rd Nov., 2020.
- vii. **Adebesin, A.A** (2019); Growing the National Economy Through Technological Advancement, Engineering, Innovation and Application. 4th School of Engineering Conference: 25th- 28th Nov. 2019.

Previous Conference Papers

- viii. **Adebesin, A. A** and Pelemo, J (2018). Experimental Evaluation of Heat Loss Phenomenon in Flat Plate Solar Collector System, 1st International Conference and Exhibition on Technological Innovation and Global Competitiveness, The federal Polytechnic, Ilaro.
- ix. Inegbenebor, A, Ajayi, E, **Adebesin, A. A (2018)**: Reconnaissance Study of Smectite Ores of Lafarge- Ewekoro, Ogun State for Industrial Application: International Conference on Engineering for a Sustainable World (ICESW 2018), July 9- 13, 2018.

- x. **Adebesin, A.A** and Oyawale, F.A. (2017) Development and Performance Evaluation of a Street Sweeping Machine- International Conference on Engineering for a Sustainable World (ICESW,2017), Covenant University, Ota, Nigeria.
- xi. **Adebesin, A.A** and Oyawale, F.A.(2017): The Engineering Process Design for a Street Sweeping Machine- 6th National Conference of Environmental Studies, School of Environmental Studies, The Federal Polytechnic, Ilaro, Ogun State; May, 2017
- xii. **Adebesin, A.A** (2016): A 3- day International Conference & Workshop on Fire Hazard & Preparation of High Temperature Concrete/ Monolithic, organized by the Department of Chemistry, Covenant University, Ota, Nigeria; (July, 2016)
- xiii. **Adebesin, A.A** and Kehinde, O(2016): Design and Construction of Water Fountain: A Poster Paper Presented at the 3rd National Conference of the school of Engineering, The Federal Polytechnic, Ilaro; 7th- 10th March, 2016.
- xiv. Adenle, B.J, **Adebesin, A.A** & Ibrahim, Y.L (2014): Programmable logic controller: An overview in automation technology, **ISTEAMS** Conference on Science, Technology, Education, Arts, Management and Social Sciences, Auchi 2014.
- xv. Odunlami, S.A, **Adebesin, A.A**, Awolola, O.O.(2008) ‘ Degree Awarding Status: The Importance of Modern Teaching and Learning Aids in Nigerian Polytechnics Education, Book of reading of the 3rd Ilaro Asup National Conference, Pgs 112- 118

Major research undertaken

- (i) Development and Performance Evaluation of a Street Sweeping Machine (Campus Use)
- (ii) Design and Construction of a Tomato Washing Machine
- (iii) Thesis on the design and construction of Polythene Recycling Machine
- (iv) Thesis on the design and construction of mobile fish pond
- (v) Thesis on the design and construction of Poultry Feed milling Machine
- (vi) Thesis on the design and construction of Carport Shed

Community Service

- i. Designed and Fabricated a Street Sweeping Machine for Campus Use

- ii. Head- Experimentation Unit
- iii. Departmental Examination Officer (DEO)
- iv. Departmental Representative – National Education Innovations Exhibition, Abuja
- v. Member – Polytechnic Exhibition Committee
- vi. Member-Polytechnic Examinations Committee
- vii. Secretary – Students’ Project Committee
- viii. Departmental Exhibition Representative
- ix. Staff Adviser- 2008 – Date
Federation of Egba Students Association
Federal Polytechnic, Ilaro

Institutional Responsibilities/ Service to the Polytechnic:

- i. **Member-** Institutional Committee Investigating the use of Answer Scripts by a Vendor within Ilaro.
- ii. **Member-** Polytechnic Exhibition Committee
- iii. **Chairman-** Departmental Exhibition Committee
- iv. **Member-** Engineering Investment Bye- Law
- v. **Class Adviser-** National Diploma Student (NME II) students
- vi. **Chairman-** Departmental Guidance & Counselling Committee
- vii. Departmental Examination Officer

Service to Academic Staff Union of Polytechnics:

- i. **Vice- Chairman-** Academic Staff Union of Polytechnics, (Asup).
Federal Polytechnic, Ilaro Chapter (2010 – 2014)

Extra- Curricular Activities

Table Tennis, Footballing and reading Interesting Books

Referees

1. **Engr Dr. O.O. Awolola**
Head of Department
Mechatronics Engineering Technology
The Federal Polytechnic
Ilaro
(08027955316)

2. Prof. B.O. Bolaji

Dean, Faculty of Engineering
Federal University, Oye- Ekiti
(08109232572)

3. Pfof. S.O Fayomi

Senior Lecturer,
Dept. of Mechanical Engineering,
Bells University, Ota
(08036886783)