

**OLABISI ONABANJO UNIVERSITY
AGO-IWOYE, OGUN STATE, NIGERIA**

CURRICULUM VITAE

PART 1:

A. PERSONAL DATA

1. **Name:** **Dr. ADEYEMI**, Hezekiah Oluwole
2. **Department:** Mechanical Engineering
3. **College/Faculty:** College of Engineering & Environmental, Studies, Ibogun Campus.
4. **University Web Domain E-Mail Address:** adeyemi.hezekiah@oouagoiwoye.edu.ng
5. **Date and Place of Birth:** May 5, 1972, Modakeke, Osun State.
6. **Nationality:** Nigerian.
7. **Marital Status:** Married.
8. **No. of Children/Age:** Two / Eleven and Nine
9. **Name and Address of Spouse:** Mrs. Comfort A. Adeyemi, No. 34, Sojobi Street, Eleweran, Abeokuta, Ogun State.
10. **Name and Address of Next of Kin:** Mrs. Comfort A. Adeyemi, No. 34, Sojobi Street, Eleweran, Abeokuta, Ogun State.
11. **Date of First Appointment with the University:** November 27, 2014.
12. **Status of First Appointment and Salary:** Lecturer I, CONUSS 4(1)
13. **Present Position and Salary:** Lecturer I, CONUASS 4 STEP 1
14. **Date of Last Promotion/Re-grading:** N/A
15. **Date of Confirmation of Appointment:** December 20, 2016
16. **Total Number of Years of University Teaching and Research Experience:**
 - (a) **Polytechnic/College of Education:** Nil
 - (b) **University:** 5 years

B. EDUCATIONAL BACKGROUND

1. Academic Qualification/Institutions Attended (With Dates):

- Federal University of Technology, Akure, Ondo State.
B. Eng. Mechanical Engineering 1995-2000
- University of Ibadan, Ibadan, Oyo State.
MSc. Industrial and Production Engineering 2008-2010
- Federal University of Agriculture, Abeokuta, Ogun State
Ph.D – Production Engineering 2011-2014

2. Current Higher Degree Programme Registered for (if any) : Nil

3. Awards and Distinction:

- Best graduating student, Ordinary National Diploma, Mechanical Engineering Department, Ondo State Polytechnic, Owo, Ondo State, Nigeria. - 1994.

C. WORK EXPERIENCE

1. Previous Work Experience Outside the University system:

- Site Engineer at Solid Nigeria Limited, BB17, Ibrahim Taiwo Rd, Kaduna, Nigeria (2001-2002)
- Principal Mechanical Engineer at SOAD Engineering Consult Limited, Ansarudeen House, Quarry Road, Abeokuta (2004-2013)

2. Previous Work Experience in other University system: Nil

3. Details of Professional Experience at Olabisi Onabanjo University:

i. Teaching Function

Courses Taught in the Past Academic Session:

a. Harmattan Semester

Course Code	Course Title	Unit
MEG 311	Engineering Metallurgy	2
MEG 201	Workshop Practices I	2
MEG 413	Mechanical Control System	2
MEG 505	Industrial Engineering	2
MEG 509	Assigned Project	6
FEG 501	Engineering Economics	2
FEG 405	Research Method	1
Total		17

b. Rain Semester

Course Code	Course Title	Unit
MEG 304	Measurement and Instrumentation	2
MEG 202	Workshop Practices II	2
MEG 510	Assigned Project	6
MEG 312	Workshop Practice III	2
FEG 202	Engineering Mathematics II	2
MEG 506	Production Engineering	3
FEG 502	Law and Management	2
TOTAL		19

ii. Research (Completed/On-going)

1. Development of expert system (Artificial intelligence devices) for:
 - Home fire control
 - Women safety in domestic tasks
2. Development of Artificial intelligence devices for diagnosis of Typhoid Fever

iii. Administrative Functions & Contribution to the University

- Chairman, College Seminar Committee, CEES (October, 2017- 2018)
- Sub-Dean (undergraduate), faculty of engineering (August, 2017-August 2018)
- Courses coordinator, Faculty of Engineering. (2016-2017)
- Chairman, Faculty of Engineering Committee on Research and Development (2015-Till date)
- Chairman, Quality Control Committee, College of Engineering and Environmental Studies (CEES) (October, 2017- Till date)
- Student Adviser, 300 Level Mechanical Engineering (2017 Till date)
- College board faculty of engineering representative (2018- till date)

iv. Contribution to the Nation

- Participation in national youth service scheme in Kaduna State (2000-2001)

D. MEMBERSHIP OF AND REGISTRATION WITH PROFESSIONAL BODIES

- The Council for the Regulation of Engineering in Nigeria (COREN) (2009), R16, 457
- The Nigerian Society of Engineers (NSE) (2007), C19376
- The Nigerian Institution of Mechanical Engineers (NIMechE)

E. PUBLICATIONS

1. Thesis/ Dissertation

1. **Adeyemi, H.O.** (2000) Ergonomics Assessment of Mass Transit Vehicles in Ondo State. An unpublished B. Eng. Project Report submitted to the Department of Mechanical Engineering, Federal University of Technology, Akure, Ondo State (62 pages).
2. **Adeyemi H.O.** (2010) Work-Related Musculoskeletal Disorders Among Workers In Brick-Making Factory and Building Construction Site In Nigeria. An unpublished M.Sc thesis submitted to the Post-Graduate School, University of Ibadan, Ibadan (75 pages).
3. **Adeyemi, H.O.** (2014). Ergonomics Evaluation of Musculo-Skeletal Disorders for Construction Workers Using Fuzzy Knowledge Mechanism. An unpublished P.hD thesis submitted to the Post-Graduate School, Federal University of Agriculture, Abeokuta, Ogun State (356 pages).

ii. Books Nil

iii. Monographs/Research Reports Nil

iv. Published Journal Articles

1. *+ Akinyemi, O.O., Giwa, S. O., **Adeyemi, H.O.**, Akintan, A. L. and Mebude, O. (2015). Fault tree analysis of fly-outs in metal lathe machine operations. *Safety Engineering*, 5(1):9-19. Faculty of Occupational Safety, University of NIS Serbia. <http://dx.doi.org.10.7562/SE2015.5.01.02>
2. *+ **Adeyemi, H.O.**, Adejuyigbe, S.B., Ismaila, S.O. and Adekoya, A.F. (2015). Low back pain assessment application for construction workers. *Journal of Engineering, Design and Technology*, 13(3):419 – 434. <https://www.emeraldinsight.com/doi/abs/10.1108/JEDT-02-2013-0008>

3. *+ Akinyemi, O.O., **Adeyemi, H.O.** and Jinadu, O. (2016). Road transport accidents in Nigeria and the role of automotive active safety system. *Transactions of the VŠB – Technical University of Ostrava Safety Engineering Series*, 11(1):49-54. University of Ostrava, Safety, Engineering Series <http://dx.doi.org.10.1515/tvsbses-2016-0007>.
4. *+ **Adeyemi, H.O.**, Adefemi, A.A., Akinyemi, O.O. and Adefemi, O.A. (2016). A shoveling-related pain intensity prediction expert system for workers' manual movement of material. *International Journal of Technology*, 7(4):540-552. University of Indonesia, Indonesia, <http://dx.doi.org/10.4314/njt.v35i3.7>
5. *+ **Adeyemi, H.O.** and Udoh, I.E. (2016). Assessment of cumulative trauma disorders among workers in southwest Nigeria sawmilling industry. *The Mindanao Journal of Science and Technology (MJST)*, 14:1-17. Mindanao University, Philippines. <http://cdo.ustp.edu.ph/wp-content/uploads/2017/12/1.Assessment-of-Cumulative-Trauma-Disorders-among-Workers-in-Southwest-Nigeria-Sawmilling-Industry.pdf>
6. *+ **Adeyemi, H.O.**, Ismaila, S.O., Adefemi, A.A. and Akinyemi, O.O. (2016). Modeling sand-shoveling related pain risk with fuzzy logic. *The Mindanao Journal of Science and Technology (MJST)*, 14:36-56 Mindanao University, Philippines. <http://cdo.ustp.edu.ph/wp-content/uploads/2017/12/4.-Modeling-Sand-Shoveling-Related-Pain-Risks-with-Fuzzy-Logic.pdf>
7. *+**Adeyemi, H.O.**, Akinyemi, O.O., Musa, A. I. and Olorunfemi, B.F. (2016). Enhanced proactive planning approach: a crucial to an improved workers' safety in Western Nigeria small scale industry. *Transactions of the VŠB – Technical University of Ostrava Safety Engineering Series*, 11(2):29-35. <http://dx.doi.org/10.1515/tvsbses-2016-0014>.
8. *+ Yusuf, T.A., Sanusi, O.M. and **Adeyemi, H.O.** (2016). A model for determining the safety level of occupational work using accidents and injuries measurement parameters: a review. *Journal of Engineering Studies and Research*, 22(3):71-76. Engineering Faculty, Vasile Alecsandri University of Bacau, Bacău - Romania <http://pubs.ub.ro/?pg=revues&rev=jesr&num=201603&vol=22&aid=4631>
9. *^ Akinyemi, O. O., Nwaokocha, C. N., **Adeyemi, H.O.**, Layeni, A.T. and Adama, O.O. (2017). Investigation of corrosion behavior of dual phase steel reinforcement and structural steel reinforcement in concrete, *African Journal of Science & Nature*, 4:27-38 Olabisi Onabanjo

10. *+ **Adeyemi, H.O.**, Martins, O. O., Adejuyigbe, S. B. and Adekunle, A. A. (2017). Rate of ergonomics hazard control measures incorporation into small-scale industries in Southwest Nigeria. *Safety Engineering*, 7 (1):21-28. Faculty of Occupational Safety, University of NIS Serbia, Europe. 7(1): 21-28. DOI: 10.7562/SE2017.7.01.0
11. *^ **Adeyemi, H.O.**, Olatunji, O.A., Martins, O.O., Akinyemi, O. O., Adama, O.O. and. Alao, K. O. (2017). Job safety assessment of woodwork industry in the South-western Nigeria. *Arid Zone Journal of Engineering, Technology and Environment*, 13(6):817-830. <http://www.azojete.com.ng/index.php/azojete/article/view/296>>. Faculty of Engineering, University of Maiduguri, Maiduguri, Nigeria.
12. *^ Kuye, S. I., Abudu, A., Amechi, E., Adekunle, N. O., Adetunji, O. R., Adisa, A. F. and **Adeyemi, H.O.** (2018). Evaluation of inhibitive performance of acidic extract of eichornia crassipes on corrosion of low carbon steel in 1 m sulphuric acid solution. *FUOYE Journal of Engineering and Technology*, 3(1):52-56. <http://engineering.fuoye.edu.ng/journal/index.php/engineer/article/view/139/pdf>
13. *^ Kuye, S. I. Abudu, A., Adetunji, O. R., Adekunle, N. O. Adisa, A. F. and **Adeyemi, H. O.** (2018). Inhibitive action of water extract of spondias mombin on corrosion of low carbon steel in 0.5 m sulphuric acid. *FUOYE Journal of Engineering and Technology*, 3(1):42-47. <http://engineering.fuoye.edu.ng/journal>
14. *+ **Adeyemi, H.O.** (2018). Evaluating productivity target and ergonomics safeguard: a human factor study of bottle making industry. *Safety Engineering*, 8(1):7-14 University of NIS Serbia DOI: 10.7562/SE2018.8.01.02
15. *^ **Adeyemi, H.O.**, David, A.O., Akinyemi, O.O., Opafola, T.O. and Adeyemi, O.A. (2018). Enhancing occupational safety and health in construction manual load handling: team-lifting possibility and Impacts. *FULafia Journal of Science & Technology* 5(1):23-30 <http://www.fulafiajst.com/>
16. *+ **Adeyemi, H.O.**, Martins, O. O., Ade-Ikuesan, O. O. and Olaluwoye, O. O. (2018). Machinery maintenance viewpoint: one approach to an improved rural road traffic safety in

Southwest Nigeria. *International Journal of Engineering Technology and Sciences (IJETS)*, 5(1):58–69. University Malaysia Pahang, DOI: <http://dx.doi.org/10.15282/ijets.5.1.2018.6.1092>

17. *+ **Adeyemi, H.O.**, Yusuf, T.A. and Osifeko, M. O. (2018). Forecasting unsafe level of work stations with injuries frequency measurement criterion: a fuzzy logic approach. *International Journal of Engineering Technology and Sciences (IJETS)*, 5(1): 95 – 105 University Malaysia Pahang, DOI: <http://dx.doi.org/10.15282/ijets.5.1.2018.10.1096>
18. *^ **Adeyemi, H.O.** Akinyemi, O.O. Musa, I.A. and Ibikunle, B.Q. (2016). Assessment of work-space and work-method designs in Nigeria automobile service and repair industry *Nigerian Journal Of Technology (NIJOTECH)*, 35 (2): 321 – 328. University Of Nigeria, Nsuka <http://dx.doi.org/10.4314/njt.v35i2.12>
19. *^ **Adeyemi, H. O.** Jagun, Z.O.O., Giwa, S.O., Olayide, R.A and Owamoyo, R. (2016). Modelling room cooling capacity with fuzzy logic procedure *Nigerian Journal of Technology*, 35 (3):519–526, University Of Nigeria, Nsuka <https://www.ajol.info/index.php/njt/article/download/140646/130387>
20. *^ Musa, A.I., **Adeyemi, H. O.** and Odunlami, S.A. (2016). Modeling the peak expiratory flow rate of female bakers in Abeokuta, Nigeria. *FUTA Journal of Research in Sciences*, 12(1):46-54. Federal University of Technology, Akure https://www.futa.edu.ng/journal/home/downloadpdf/paper_2_1508319036
21. *+ **Adeyemi, H.O.**, Akinyemi, O.O., Jagun, Z.O.O., Kuye, S.I., Sulaiman, M.A., Lawal, N.S. and Adeyemi, C.A. (2017). Fuzzy logic algorithm for an improved assessment into lifting-related injury risks among Nigeria women *Journal of Engineering and Technology*, Vol. 8(1):1-13 Technical university Malaysia <http://journal.utm.edu.my/index.php/jet/article/view/1042>
22. *^ Sulaiman, M. A., **Adeyemi, H. O.**, Kuye, S. I., Adama, S. O. and Adesope, W. A. (2017). Assessment of heat stress illness and control measures among workers in Southwest Nigeria cement industry. *Nigerian Journal of Scientific Research*, 16(2). Ahmadu Bello University, Zaria, Nigeria. <https://njsr.abu.edu.ng/NJSR-16-2-2017/>

23. ^{*} **Adeyemi, H.O.**, Lawal, N.S. Alao, P.O. and Alao, Q.O. (2018). A tree model to spot the principal risk factors for minor automobile penal damages. *Nigerian Research Journal of Engineering and Environmental Sciences (RJEES)*, 3(1):388-397 University of Benin,

v. Papers Accepted for Publications (with Letter of Acceptance)

24. ^{*} **Adeyemi, H.O.**, Babalola, A. O., Olatunji, A. O., Akinyemi, O. O. and Akinosho, R.T. (2018). Review of method study approach to productivity gain: a multi-case study of portable water producing factory. *FUOYE Journal of Engineering and Technology*
25. ^{*} Martins, O.O., Bolaji, B.O., **Adeyemi, H. O.** and Sanusi, O.M. (2018). The design and construction of a motorized citrus juice extractor, *FUOYE Journal of Engineering and Technology (FUOYEJET)*, Federal University Oye Ekiti
26. ⁺ Osifeko, M., Okubanjo, A., Oyetola, O. and **Adeyemi, H.O.** (2018). An empirical study on the effect of temperature and irradiance on the power output of a mini pv plant in Ogun State, Nigeria. *International Journal of Applied Science and Technology*, King Mongkut's University of Technology North Bangkok Thailand
27. **Adeyemi, H.O.**, Akinyemi, O.O., Lawal, N.S., Ade-Ikuesan, O. O., Makinde, A. A., Adenuga, A. and Ojo, O. (2018). A multi-site case study of human factor considerations and machinery utilization in food producing industry. *African Journal of Science and Nature*, Olabisi Onabanjo University, Ago Iwoye,
28. ^{*} **Adeyemi, H.O.**, Abolade, O.R., Ade-Ikuesan, O.O. and Jagun, Z.O.O. (2018). Enhancing domestic material handling ergonomics for women using artificial intelligence technique. *Ekiti-State University Journal Of Science And Technology*,
29. ^{*} **Adeyemi, H. O.**, Olorunfemi, B.J. and Akinyemi, O.O. (2018). Appraisal of related risks with locally made block making machine: a multi-site case study of Nigeria block making industry. *Journal Engineering and Engineering Technology (FUTAJEET)*, Federal University Of Technology, Akure.
30. ⁺ **Adeyemi, H.O.** and Akinyemi, O.O. (2018). Stressor-related pain among outdoor manual workers: assessment of causal factors with decision tree. *Amity Journal of Engineering and Technology* Amity University, Dubai

vi. Contribution to books

Nil

vii. Published Conference Proceedings

31. *^ Olorunfemi, B.J., Adejuyigbe, S.B., Adekunle, A.A. and **Adeyemi, H.O.** (2016). Computer aided maintenance of grain storage equipment. *Proceedings of the 2016 Annual Conference of the School of Engineering & Engineering Technology (SEET, 2016)*, August 16-18, (2016). Page 806 – 818. The Federal University of Technology, Akure, Nigeria.
32. *^ **Adeyemi, H.O.** (2017). Maximizing industrial machinery usage and the human factor viewpoint. *Proceedings of the Obafemi Awolowo University, Faculty of Technology Conference* September 24-27, (2017) pages 12 -16, Obafemi Awolowo University. Nigeria.
33. *+ **Adeyemi, H.O.**, Akinyemi, O. O., Makinde, A., Adenuga, A. and Ojo, O.P. (2017). Ergonomics Effects of Maximizing Industrial Machinery usage on the Handlers: A case study of some food producing industry in Southwest Nigeria. *Proceedings of the 5th International Conference on Disaster Risk Management for Sustainable Development (DRMSD 2017)*, August 23- 25, (2017) pages 192-198 Rochester Institute of Technology, Dubai, UAE
34. *+ Olorunfemi, B. J., Adejuyigbe, S. B., **Adeyemi, H. O.**, Adekunle, A. A. and Kayode, S. E. (2017). Development of computer-aided management for grain storage in Nigeria. *Proceedings of the 5th International Conference on Disaster Risk Management for Sustainable Development (DRMSD 2017)*, August 23- 25, (2017) pages 208-220 Rochester Institute of Technology, Dubai
35. *^ **Adeyemi, H.O.** (2018). Classifying the risk factors for car panel bruises: a multiple linear regression model approach. *Proceedings of the 2018 International Conference on STEM: A driving force for sustainable development (COLENG 2018)*, May 14-17, Pages 1-8. (2018) Federal University of Agriculture, Abeokuta, Nigeria.
36. **Adeyemi, H.O.** (2017). Development of a Multiple Linear Regression Model to Predict Occupational Safety Risk among Menial Construction Workers (2017). *Proceedings of the Nigerian Institute of Industrial Engineers (NIIE) 2017 International Conference*, December 8-9, Pages 1-6. (2017). University of Ibadan, Nigeria,
37. *^ **Adeyemi, H.O.**, Olorunfemi, B.J. and Adekunle, A.A. (2016). Implementing ergonomics techniques of lifting among truck loading workers in nigeria block making industry. *Proceedings of the 2016 International Conference on SET: A driving force for sustainable*

development (COLENG 2016), March 7-11, Pages 190-194. (2016) Federal University of Agriculture, Abeokuta, Nigeria. [University Based] [The collected data was analyzed by me. I also participate in the final correction based on the reviewers' comments. Contribution 60%]

[*Articles published after the last promotion, +International publications, ^Local publications]

F. CONFERENCES ATTENDED WITH DATES WITH PAPER READ

1. International Conference on SET: A driving force for sustainable development (COLENG 2016), Federal university of Agriculture, Abeokuta, Nigeria.

Paper presented: Implementing ergonomics techniques of lifting among truck loading workers in Nigeria block making industry.

2. The 2016 International Conference on SET: A driving force for sustainable development (COLENG 2016), March 7-11, (2016), Federal University of Agriculture, Abeokuta, Nigeria.

Paper presented: Implementing ergonomics techniques of lifting among truck loading workers in Nigeria block making industry

3. Obafemi Awolowo University, Faculty of Technology Conference September 24-27, (2017), Obafemi Awolowo University. Nigeria.

Paper presented: Maximizing industrial machinery usage and the human factor viewpoint.

4. Nigerian Institute of Industrial Engineers (NIIE) 2017 International Conference, December 8-9, (2017), University of Ibadan, Nigeria,

Paper presented: Development of a Multiple Linear Regression Model to Predict Occupational Safety Risk among Menial Construction Workers.

5. The 2nd International Conference of Engineering for a Sustainable World ICESW 2017, July 3-7, (2017), Covenant University, Ota, Nigeria.

Paper presented: Improving Domestic Ergonomics: A Fuzzy-Based Model Approach.

6. International Conference on STEM: A driving force for sustainable development (COLENG 2018), Federal university of Agriculture, Abeokuta, Nigeria,

Paper presented: Classifying the risk factors for car panel bruises: a multiple linear regression model approach.

7. The 2018 Annual Conference of the School of Engineering & Engineering Technology (SEET), July 17-19 (2018), Federal University of Technology, Akure, Nigeria,

Paper presented: Influencing factors of stressor-related disorder among unskilled workers in outdoor casual jobs.

G. CONTRIBUTION TO NATIONAL AND INTERNATIONAL LIFE

i. Within the University

1. Teaching and impacting knowledge of Mechanical Engineering courses into undergraduate and postgraduate diploma students as well as assisting students' projects for technological development.
2. Member, Committee for the Induction Ceremony into Graduate Membership of Graduating Students of Engineering Faculty
3. Member of the College of Engineering and Environmental Studies Board
4. Member, College of Engineering and Environmental Studies Time-Table Committee.

ii. Outside the University: Nil

H. NAMES AND ADDRESSES OF REFEREES

1. **Name:-** Professor S.B Adejuyigbe

Address:- Mechatronics Department, Federal University, Oye Ekiti, Ekiti state.

E-mail:- samuel.adejuyigbe@fuoye.edu.ng,

Phone:- +2348034740386

2. **Name:- Professor S.O. Ismaila**

Address:- Mechanical Engineering Dept., Federal University of Agriculture, Abeokuta.

E-mail:- ismailasalami@yahoo.com

Phone:- +234832852655

3. **Name:-** Engineer T. S. Sogbaike Address:- SOAD Engineering Consult (and Engineering Training College), Ansarudeen House, Quarry Road, Abeokuta.

E-mail:- soadconsult09@yahoo.com

Phone:- +2348033297615



11-02-2019

Signature

Date

PART II

DR. ADEYEMI, Hezekiah Oluwole

SENIOR LECTURER

Staff

Position Desired

(To be completed by the Head of Department and Provost of College/ Dean of Faculty)

1. Overall Evaluation by the Head of Department

Professional	Outstanding	Very Good	Good	Average	Poor
Teaching/ Professional Competence					
Research Activity					
Contribution to Curriculum Development					
Overall Contribution to the University/ Nation					

2. Comments by Head of Department, Including Special Recommendation For:

(a) **Promotion (Stating rank to be promoted) or:**

(b) **Special recommendation/ reprimand:**

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Head of Department

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Date

3. Comments by Provost of College/ Dean of Faculty

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Provost/Dean

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Date