

- I. Brief biography: Mrs. Durodola obtained her Bachelor of Science (B.Sc) in Computer Engineering from the prestigious Obafemi Awolowo University, Ile-Ife in 2009. She also has a Masters degree in Intelligent Systems Engineering from Obafemi Awolowo University (2018) where she majored in Natural Language Processing System. She joined the Federal University of Agriculture as assistant Lecturer in September 2019.
- II. Passport size photograph:

III. Personal information:

Full name: ENGR. DURODOLA Folasade Olayinka

Sex: Female

Marital status: Married

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IV. Department: Mechatronics Engineering

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VII. Rank: Lecturer 1

VIII. Designation: Lecturer 1

IX. Researchgate Address: <https://www.researchgate.net/profile/Folasade-Durodola/research>

X. LinkedIn Address: <https://www.linkedin.com/in/folasade-durodola-18a65b1b7/>

XI. Google Scholar Profile: <https://scholar.google.com/citations?user=eP9pN0oAAAAJ&hl=en>

XII. Orcid Number: 0000000205936153

XIII. Qualification: B.Sc Computer Engineering.
M.Sc Intelligent Systems

XIV. Membership of Professional Bodies:

Member, National Society of Black Engineers	2012
Council of Registered Engineers in Nigeria	2023

XV. Award Received

XVI. Research Conducted

- a. Design and Development of Hand Gesture Controlled Trolley
- b. Fire Extinguishing Robot.
- c. Smart Stick with IoT for Blind People.
- d. Development of an automated fish feeding system.
- e. Design and development of a robotic vacuum cleaner
- f. Bird species identification using deep learning convolutional neural network

XVII Conferences Attended:

Third COLENG International Conference organized by the College of Engineering, Federal University of Agriculture, Abeokuta

Theme: STEM- A driving force for sustainable development
(Held at the COLENG Auditorium, Federal University of Agriculture, Abeokuta. 24th - 26th May 2021)

Paper Presented: Development of a Fire Extinguishing Robot with SMS Alert Feature.

XVII. Publication

(i) Articles in Learned Journals

(1) **Durodola Folasade Olayinka** and Eludiora Safiriyu Ijiyemi. (2019): Development of a Machine Translation System for Date Referencing in Yoruba Language. *International Journal of Computer Applications* 177(20):32-38.

(2) **Durodola Folasade** and Owoeye Samuel. (2022): The Gregorian Calendar Dates in Yoruba: A Machine Translation Approach, *Journal of Engineering Research*. (Acceptance Letter)

(ii) Articles in Edited Conference Proceedings

(3) Samuel Oluoyemi OWOEYE, Abdul-Afiz ISHOLA, **Folasade DURODOLA**, and Jethro ODEYEMI. Development of an Ultrasonic Smart Blind Stick with Video and Remote Tracking. *Proceedings of the 3rd International Conference of the College of Engineering, Federal University of Agriculture, Abeokuta. May 24 -26, 2021*, S.O Ismaila and O.U. Dairo (Eds), 190-197. Published by College of Engineering, Federal University of Agriculture, Abeokuta.

(4) Samuel Oluoyemi OWOEYE, **Folasade DURODOLA**, Olaitan OLAONIKEKUN, Benedict ANYANWU, Adedayo AKINADE, and Jethro ODEYEMI. Development of A Fire Extinguishing Robot with SMS Alert Feature. *Proceedings of the 3rd International Conference of the College of Engineering, Federal University of Agriculture, Abeokuta. May 24 -26, 2021*, S.O Ismaila and O.U. Dairo (Eds), 198-205. Published by College of Engineering, Federal University of Agriculture, Abeokuta.

(5) Yusuf S. K., Aborisade D. O., Ishola A. A. and **Durodola F. O.** Optimal Model Design of an Auto-Tuned PID-Controlled Temperature-Regulated Fruits and Vegetable Preservation System. *Proceedings of the 3rd International Conference of the College of Engineering, Federal University of Agriculture, Abeokuta. May 24 -26, 2021*, S.O

Ismaila and O.U. Dairo (Eds), 224-234. Published by College of Engineering, Federal University of Agriculture, Abeokuta.

(iii) Chapters in Books

(6) S.O. Owoeye, O.J. Odeyemi, **F.O. Durodola**, K.I. Adenuga, (2022): Deep data analysis for COVID-19 outbreak. **In *Healthcare Monitoring and Data Analysis using IoT: Technologies and applications***. 23pp, Published by IET Print.

(7) S.O. Owoeye, A. S. Akinade, K.I. Adenuga, **F.O. Durodola**, (2022): Healthcare monitoring through IoT: security challenges and privacy issues. **In *Healthcare Monitoring and Data Analysis using IoT: Technologies and applications***. 13pp, Published by IET Print.

(8) S.O. Owoeye, **F.O. Durodola**, O.J. Odeyemi, (2022): **Object Detection and Tracking: Exploring a Deep Learning Approach and Other Techniques**. In ***Object Detection and Tracking: Exploring a Deep Learning Approach and Other Techniques***. 20pp, Published by Betham Publisher.