**CURRICULUM VITAE**

**PERSONAL DATA**

**LAST NAME:** ADENIRAN

**First Name:** ADETUNJI BABATUNDE

**Address:** Flat 36 Cedar Court, Ashgrove Road, Aberdeen Scotland, U.K.

**Telephone Mobile:** +44(0)7770093639

**Email** : [tunji4physics@gmail.com](mailto:tunji4physics@gmail.com), [r01aba17@abdn.ac.uk](mailto:r01aba17@abdn.ac.uk)

**Marital Status:** Married

**Date of Birth**: 16/June/1979

**Gender:** Male

**Country of Origin**: Nigeria

**Present Nationality**: Nigeria

**RESEARCH INTEREST**

I am currently a 3rd-year PhD student of Computing Science, University of Aberdeen. I am researching to i*nvestigate a real-time computational mechanism that can scaffold collaboration within online learning groups*. I have explored literature to identify indicators of group collaboration from their joint problem-solving (JPS) discourse, and how existing work have quantified it. We studied face-to-face group JPS to establish findings from our review and conceived a metric model for group collaboration.

We formalized our collaboration-metric model and extrapolate to study online groups; we investigate to quantified collaboration using text-based discourse of virtual group learners, measure of collaboration from our model was validated by comparing with the qualitative assessment of the discourse transcript. Findings shows that our collaboration-metric model could stand in-proxy to evaluate collaboration within text-based online JPS.

To support and scaffold collaboration in real-time during online JPS, main goal of my PhD, we propose, *a real-time mirroring of participation level*. This approach was conceive to stimulate participation and improve group collaboration, findings from current study shows that collaborative behavior could be triggerd with *mirror of relative self-efficacy within* groups, in-line with our conjecture.

In further studies, we aim to investigating *knowledge level and propensity to participate*; how does these affects interaction during JPS? We hypothesize that these features can inform *group formation algorithm* that will automatically select learners to groups, where individuals will participate optimally and thus facilitate maximum collaboration. We will experiment to determine interventions that work best , with evidence of improving collaboration, and develop support mechanism(s), real-time and automatic, to scaffold collaboration within online groups. We envisiage application of the inferences and addition to knowledge from our work in *Mass open online course* (MOOCs) and distant learning programs.

**EDUCATION**

**MSc (Computer Systems) |** AVGA 60.3 **|***University of Ibadan, Nigeria.* |**01/2011 to 10/2012.**

**B.Sc (Computer Science) |** 2:1 **|** *Achievers University Owo, Nigeria.* | **01/2013 to 12/2016.**

**P.gD (Physics with Electronics)** **|** CGPA 3.0/5.0**|**  *Federal University of Technology Akure, Nigeria.* | **09/2010 to 08/2010.**

**HND (Physics with Electronics)** | CGPA 2.65/5.0 | *The Polytechnic, Ibadan, Nigeria.* |

**04/2002 to 03/2004.**

**ND (Science Laboratory Technology) |** CGPA 2.56/5.0| *The Polytechnic Ibadan, Nigeria.*

**04/1997 to 05/2000.**

**WORK HISTORY:**

**Job Title,** Instructor, Physics Department, The Polytechnic, Ibadan, **01/10/2006 and 31/01/2017**.

* Teaching courses in computing and electronics.
* Designing practical lecture modules, conducting and demonstrating in practical classes.
* Accessing and making assignments, examination scripts and grading students.
* Supervising design and implementation of students’ technical projects.

**TRAINING AND PROFESSIONAL DEVELOPMENT**

* **Summer School on Computation Interaction,** Cambridge University, August 2018.
* **Young Researcher Track and Team Tutoring workshop,** Artificial Intelligence in Education AIED 2018 Conference.
* User Modelling, Adaptation and Personalization Conference, 2017.
* **Programming Skills**: Web Development with PHP, HTML, Javascript, Bootstrapping, SQL database, Python programing for data extraction and analysis.
* **Getting going with your doctorate (Year 1- 6 months),** University of Aberdeen, 25, May 2017.

**PROFESSIONAL MEMBERSHIP**

* Member Association of Computing Machinery (ACM).

Membership Number: 8978220

**PUBLICATIONS**

* Adetunji A., Akande A, (2014). *A proposed Architectural model for an Automatic adaptive E-learning system Based on users Learning Style*. (IJACSA) international journal of advanced computer science and application, 5(4)
* Adetunji A., Fantola O., Akande A., Adesina, F., Kolawole, T., & Ashim O., (2015). *Fuzzy inference system model for evaluation Computer- Supported Collaborative Learning (CSCL) system*. Proceedings of International Conference In Modelling, Identification and Control (ICMIC), (1-6) IEEE.
* Adetunji, A. (2017, July). *Adaptive support for group formation in computer supported collaborative learning*. In Adjunct Publication of the 25th Conference on User Modeling, Adaptation and Personalization (pp. 109-110). ACM.
* Adeniran, A. (2018, June). *Investigating Feedback Support to Enhance Collaboration Within Groups in Computer Supported Collaborative Learning*. In International Conference on Artificial Intelligence in Education (pp. 487-492). Springer, Cham.
* Adetunji, A., Masthoff, J., & Beacham, N. (2018, January). Analyzing Groups’ Problem-solving Process to Characterize Collaboration within Groups. In CEUR Workshop Proceedings (Vol. 2153, pp. 5-16).
* Adeniran, A., Masthoff, J., & Beacham, N. (2019, June). Model-Based Characterization of Text Discourse Content to Evaluate Online Group Collaboration. In International Conference on Artificial Intelligence in Education (pp. 3-8). Springer, Cham.
* Adetunji Adeniran, Judith Masthoff and Nigel Beacham (2019) draft: *An Appraisal of a Collaborative-Metric Model based on Text Discourse*. Aceepted for presentation at AIED Team Tutorin Workshop 2019, to be published@[ceur-ws.org](http://ceur-ws.org/).

**REFEREES**

* **Prof. Judith Masthoff**

Computer Science Department,

Utrech University.

Domplein 29,

3512 JE Utrecht,

Netherlands

Telephone: [+31 30 253 3619](tel:+31302533619)

Email: [j.f.m.masthoff@uu.nl](mailto:j.f.m.masthoff@uu.nl)

* **Dr. Nigel Beacham**

Computer Science

University of Aberdeen.

AB24 3FX

Telephone: +44(0) 1224 273878

Email: n.beacham@abdn.ac.uk

* **Prof. Adebola Ekanola**

Deputy Vice Chancellor (Academics),

University of Ibadan, Nigeria.

Telephone: +2348023469904

Email: debekanl@gmail.com