

Curriculum Vitae of Johan Mvelase

Physical Address: Unit 1618, 120 End Street, 55 Davies Street, Doornfontein, 2094 | **Postal Address:** Office 7158, John Orr Building, University of Johannesburg, P. O. Box 17011, Doornfontein, 2094 | **Highest Qualification:** Master of Science | **Gender:** Male | **Date of Birth:** 04 March 1983 | **Nationality:** South African | **Full-names:** Mashinga Johannes Mvelase | **Driver's License:** Code B (8) | **Mobile Number:** 0790382054 | **Email Addresses:** emjay.mvelase@gmail.com & mjmvelase@uj.ac.za |

Academic

2017-Present: **University of Johannesburg**
Studying towards a PhD (Physics)

2009-2010: **University of the Western Cape**
MSc (Physics)

Area of Specialisation: Applied Nuclear Physics

2008-2008: **University of the Western Cape**
BSc (Hons)

2003-2007: **University of KwaZulu-Natal**
BSc (Applied Physics and Mathematics)

1997-2001: **Bhekintuthuko Secondary, KwaZulu-Natal**
Grade 8-12

Subjects: English, IsiZulu, Afrikaans, Biology, Mathematics and Physical Science

Technical Skills

Laboratory Skills

- ☐ Radiation Measurements
- ☐ Gamma Spectroscopy
- ☐ Radiation Protection and Monitoring

Computer Skills

- ☐ Programming – Visual Basics for Applications (VBA)
- ☐ Programming – MATHEMATICA and MATLAB
- ☐ Proficiency in Microsoft Excel, Word and PowerPoint

Work Experience

Feb 2015-Present: University of Johannesburg

Radiation Protection Officer (RPO)

Feb 2015-Nov 2017: University of Johannesburg

Physics tutor co-ordinator

Feb 2014-Present: University of Johannesburg

Physics lecturer for Electrical Engineering 1st year (2014 - Present).
Taught 2nd year Radiography Physics (2014 - 2017). Somatology
2nd year Physics (2014 - 2016)

Feb 2011-Jan 2014: KZN Department of Education

High School Educator (Natural Science, Mathematics, and
Physical Science).

Feb 2008-Oct 2010: University of Western Cape

Assistant Lecturer, preparing and marking the tutorials and
test scripts then giving feedback to the lecturer. This role
greatly enhanced my presentation/teaching/lecturing skills.

Aug 2007-Nov 2007 University of KwaZulu-Natal

Research assistant at the Renewable Energy Laboratory at
the Physics Department. Technically worked with a solar
track machine, removed rust on it and protected it against
oxidation.

Feb 2005-May 2007 University of KwaZulu-Natal

Experiment Demonstrator for both first and Foundation
Physics students. My work involved preparing and ensuring
that the components for experiments were in order and
working before the laboratory session.

Feb 2005-Sep 2007 University of KwaZulu-Natal

I was a peer educator in the Faculty of Science and
promoted to be a principal mentor in 2006.

Extramural Activities & Achievements

South African Institute of Physics Conference held by University of Venda

Student Prize (2019)

Division: Nuclear particle and Radiation Physics
Category: PhD Low Energy Poster Presentation

Certificate awarded by Quantum Research Centre (UKZN)

Introduction to Computer Programming and Analysis

Certificate awarded by Student Mentorship Programme (UKZN)

Certificate of Excellence

Certificate awarded by Edge Training

Leadership Development

Bursary awarded by Dept of Labour through Scarce Skills Programme

From 2008 until I finished a masters degree

Interpersonal Skills

I am a hands-on result driven person who can work under pressure and meet deadlines. Student mentorship programme taught me teamwork, to motivate and support other people. Laboratory experience taught me to cooperate better with other members.

References

Prof. S. Halidintwali

Department: Physics [UWC]

Position: Lecturer

E-mail: shalindintwali@uwc.ac.za

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Prof. R. Lindsay

Department: Physics [UWC]

Position: Programme Coordinator

E-mail: rlindsay@uwc.ac.za

Contact: +27 21 959 2326

Mr. E. Zhandire

Department: Physics [UKZN]

Position: Lecturer

E-mail: zhamdiree@ukzn.ac.za

Contact: +27 72 382 6515

Mr. M. Ndaba

Department: Student Development

Position: Programme Coordinator

E-mail: ndabap@ukzn.ac.za

Contact: +27 31 260 7804