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Research Interests

My current research interest centres on resource allocation practices and ensuing productivity in educational institutions.

Other professional interests include the design, development and implementation of Competency Based Learning and Training programmes in higher education.

Research Engagements

July 2017: Attended a workshop on Pedagogical Skills in Higher Education at Machakos University.

September 2016: Attended a conference on research and innovation at Machakos University

August 2016: Participated and presented a research paper during the 3rd annual conference for the Society for the Evaluation of Research in Kenya (SEREK).

2016 to date:

I have participated in developing and writing numerous research and project proposals. Among them, is a proposal to review the curricula used by the Schools of Education, Business and Agriculture in Machakos University, Kenya, Kyambogo University in Uganda, and University of Dar es Salam, Tanzania funded by the SPHEIR. The proposal is under review.

Others include:

- Community and professional synergy empowerment in improving the quality of secondary education in Kenya. Project proposal submitted to Partnership to Strengthen Innovation and Practice in Secondary Education (PSIPSE). Currently under review.
- Intervention Model towards Community and Bureaucratic Accountability for Teacher Time on Task in Raising Learning Outcomes in Public Primary Schools in Kenya. Project proposal submitted to the National Research Fund, currently under review.

Professional Engagements

February/March 2017: Offered technical assistance to Mr. Per Jensen, the lead facilitator, of the Kenya CAD/CAM training of lecturers in three Technical Training Institutes. My main role was to facilitate training in 3D modelling using Solidworks and 3D prototyping using Felix 3D printers. Other roles were to assist in writing the final report of the training and coordinating the training and other incidental tasks.

Education

2014 to date: PhD Candidate in Economics of Education and Educational Planning, Kenyatta University

I enrolled for the program in September 2014. I have so far completed my course work and taken the oral and comprehensive examinations.. I have already selected a topic for my PhD thesis and developed the proposal which is under review. My supervisor's are Prof. Mse and Dr. Ruger. My thesis focuses on Internal Resource Allocation Practices of Public Universities in Kenya. I aim at developing a methodology for assessing the relative returns to the universities from different resource allocations at the departmental level using Data Envelopment Analysis. This should enhance internal resource allocations and ultimately higher productivity in universities.

2013-2014 Masters of Education, University of Madras

First Class with Distinction

M. Ed Dissertation: A Study of Managerial Competencies of Government, Government Aided and Private High and Higher Secondary School Administrators in Chennai and Tiruvallur Districts, Tamil Nadu, India.

Principal subjects: Education Management, Planning and Economics of Education.

2003 -2007 Bachelor of Education, Moi University

Second Upper with Honours

Principal Subjects: Professional Education Courses, Mechanical Technology, Mathematics and Sciences

Continuing Education

28th February 2011—25th March 2011: Attended training on Technical Education curriculum development and implementation, Machining, 3D modelling and design using Solidworks at ROC Eindhoven, The Netherlands.

2005: Obtained a Certificate of Competency in Computer Use and Microsoft Office Computer packages from Wing Computer Systems.

December 2001—March 2003: Obtained a City & Guilds Information Technology Module One Diploma in Computer Maintenance and Networking and MS Dos at Compuera Computer College.

Work

August 2014—to date

Graduate Assistant/Tutor, Machakos University

I have been working as a lecturer in the Department of Educational Management and Curriculum Studies, School of Education. I have been teaching, setting examinations and developing curricula in economics of education and education planning, education management and sociology of education. I have also been teaching mathematics to diploma students in the Schools of Education and Engineering. Other responsibilities have included supervising students in their teaching practice.

I have also worked as an examination and time tabling coordinator for the School of Education. My responsibilities have included setting teaching and examination timetables, coordinating the setting and moderation of examinations, processing and maintaining records of marks and ensuring that examination regulations are adhered to.

I have also been involved in the development of multi-disciplinary research proposals in the School of Education.

Other skills

Computing skills: Microsoft Office Suite, LaTeX.

Statistical software: SPSS

Knowledge of research methodologies

Data and information collection

Writing and presenting reports