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PEER REVIEWED JOURNAL PAPERS


PROFESSIONAL JOURNALS


READ CONFERENCE PAPERS


31. Maringa M., “Raising The Value Of Human Resources In Africa As A Catalyst For The Emergence And Sustenance Of A Culture For Developing Solutions To Perceived And Projected Needs”, Africa Brain Gain Conference, 19th – 22nd December 2005, Nairobi, KENYA.


SEMINAR AND WORKSHOP PAPER PRESENTATIONS


42. Maringa M., “Characterisation of the Mechanical Properties of Natural material – a Case Study of Different Types of Limestone”, Seminar delivered in the Department of Geology of the University of Nairobi on the 4th of February 2003.

TERTIARY AND UNIVERSITY LEVEL BOOKS WRITTEN


44. “Complex Loading systems”, a 150 page detailed open learning teaching book, for the Open learning HNC program, Mechanical principles module, run by the Department of Mechanical Engineering at the Manchester College of Arts and Technology (MANCAT), Openshaw Campus, Manchester, UK. Accepted for publication in April 2002.

BOOK CHAPTERS


46. Material Science - 1 Chapters, ongoing unpublised

47. Engineering Mechanics - 7 Chapter, ongoing unpublised

SELECTED TECHNICAL AND CONSULTANCY PROJECT REPORTS – OF 59 ODD SOME

48. June 2012 – February 2013, feasibility study for the disposal of solid waste and effluence in Kirinyaga County and conversion of the former into electricity, process steam and pavement blocks

50. March – June 2011, prepared a 50-page document entitled, “Kírínyaga County, where do we go and how do we get there?”, as a baseline report to guide preparation of practical development plans in anticipation of the establishment of a County Government in Kírínyaga County.

51. 27th January 2011, proposal to the Ministry of Higher Education Science and Technology (MoHEST) arising from the below mentioned seminar entitled, “Proposals for Intervention in Kenyan TIVET”, that addressed issues of Competence-Based and Demand-Led curriculum development, setting up of a coordinating authority for TIVET in the country, preparation of Standard Training Equipment Lists (STELs) for all TIVET institutions in the country, and creation of linkages with recently industrialised nations for Industry Based Training (IBL), amongst other issues.

52. 6th January 2011, a half day presentation together with one other TVET consultant to 34 MoHEST, TIVET policy developers on ways of improving TIVET in Kenya, in respect of; governing structures, Standard Training Equipment Lists (STELs), DACUM and SCID based curriculum development, and Labour Market Information Systems (LMIS).


54. April 2010, proposal to the Ministry of Higher Education Science and Technology (MoHEST) entitled, “Proposal to The Ministry of Higher Education Science and Technology of The Government of Kenya, on Interventions for the Technical Industrial and Vocational Enterprise Training (TIVET) Sector of The Country”. The proposal addressed issues of Competence-Based and Demand-Led curriculum development, setting up of a coordinating authority for TIVET in the country, preparation of Standard Training Equipment Lists (STELs) for all TIVET institutions in the country, and creation of linkages with recently industrialised nations for Industry Based Training (IBL), amongst other issues.

55. 19th – 20th of September 2008 – preparation and submission to the Rwandan Ministry of Education (MINEDUC), together with 6 other colleagues, of a quick start strategy for the implementation of the integrated TVET system, focusing on the six cost centres of, initial establishment of the Workforce Development Authority (WDA), Kicukiro integrated Polytechnic Regional Campus (IPRC), Gacururo ETO, Vocational Training Centres at Remera, Kavumu and Nyanza, based on the available resources.

56. 4th - 8th June 2008 - Development of an Integrated Technical and Vocational Education Training System for Rwanda, together with 8 other colleagues, leading to the preparation and submission of a concept paper to the Rwandan Ministry of Education (MINEDUC) entitled, “An Integrated Technical and Vocational Education Training (TVET) System – Kicukiro Polytechnic Of Technology (KPT) Pilot Project”, Obumwe Hotel, Gisenyi, RWANDA.

57. 11th November 2007 – preparation and submission to the Rwandan Ministry of Education (MINEDUC), together with two colleagues, of a project report entitled, “Implementation Strategy for Setting up 1st Year Courses at the Proposed Kicukiro College of Technology (KCOT), in the Year 2008”, Kigali, RWANDA.

58. 23rd October 2007 - submission to the Rwandan Ministry of Education (MINEDUC), together with two colleagues, of a project report entitled, “Converting Former ETO Kicukiro into a College of Technology (COT)” , Kigali, RWANDA.

59. 7th of September 2007 – preparation and submission to the Rwandan Ministry of Education (MINEDUC), together with two colleagues, of a 5-year Project Report entitled, “A Short Term Project for the Improvement of Technical Education in Technical Secondary Schools (ETOs) and Colleges of Technology (COTs), in Rwanda”, Kigali, RWANDA.

60. 3rd September 2007 – preparation and submission to the Rwandan Ministry of Education (MINEDUC), together with to colleague, of a project report on a 3-year strategy that is part of a 5-
year strategy entitled, “A Short Term Project for the Improvement of Technical Education in Technical Secondary Schools (ETOs) and Colleges of Technology, in Rwanda”, Kigali, RWANDA.

61. 2006 - Assessment of serviceability of all mechanical plant and equipment in Africana Sea Lodge, Jadini Beach Hotel and Safari Beach Hotel, all parts of the Alliance Group of Hotels in Kenya, and drawing up proposal of service, maintenance, as well as replacement schedule and equipment list. The total budget proposal of Kshs 75,625,000/00 (US$ 1,112,132.35) was submitted to and accepted by the client for use in sourcing for funds prior to commissioning. The project was however, overtaken by a foreign takeover of the company.

62. 1985 - Prepared schedules to be met for the design of the mechanical plant and its operations together with controls for the Turkwell Gorge Hydro electric power project, to be submitted to the appointed consulting engineering company, for the client the Kerio Valley Development Authority (KVDA) of the Kenya Government, as an employee of the Kenya Power and Lighting Company Ltd.

63. 1985 – Assessment and vetting of all proposed mechanical plant and controls for Kiambere Power Station after design by the appointed consultant, on behalf of the client, the Tana and Athi River Development Authority (TARDA) of the Kenya Government, as an employee of the Kenya Power and Lighting Company Ltd.

JOURNAL AND CONFERENCE EDITORIAL AND REFEREEING SERVICES

2. Editor-in-Chief, the Don, a quarterly newsletter of the Jomo Kenyatta University of Agriculture and Technology (JKUAT) Chapter of the University Academic Staff Union (UASU).
4. Editor for the Africa Brain Gain Conference book of abstracts, background papers and conference proceedings, 19th – 22nd December 2004, Nairobi, KENYA.
5. Plenary chair for the Africa Brain Gain Conference, 19th – 22nd December 2004, Nairobi, KENYA.
6. Member of the editorial committee of the Journal of Mechanical Engineering Research (JMER), www.academicjournals.org/JMER.
7. Member of the editorial committee of the Journal of Wood Engineering (JWE), www.academicjournals.org/JMER.
8. Referee for the Journal of Agriculture Science and Technology of the Jomo Kenyatta University of Science and Technology (ISSN 1561-7645), KENYA, since 1997.
9. Referee for the online International Journal for Service Learning in Engineering (IJSLE) of the Pennsylvania State University, USA., whose details are available of the website: http://www.engr.psu.edu/IJSLE/index.htm
11. Referee for the Zimbabwean Academic Journal, of the Midlands State University Zimbabwe, chiromoa@msu.ac.zw.
12. Referee for the Journal of Civil Engineering Construction Technology (JCECT), www.academicjournals.org/JCECT.