

CURRICULUM VITAE



Personal Details

Names	Moses Gichana Nyang'au
Contacts	Tel: 0717158666/0736074350. Email: onkwanitech@gmail.com P o Box 28822 – 00200 Nairobi
Professional Memberships	<ol style="list-style-type: none">1) Registered Graduate Engineer: Engineers Board of Kenya (EBK) Reg. no B87252) Professional Engineering Technologist: Kenya Engineering Technology Registration Board (KETRB).3) Member, Institute of Engineering Technologists and Technicians Kenya. (MIET)4) Accredited Competence based education and training (CBET) curriculum developer in Mechanical Technology and Maintenance: CDACC5) Accredited Competence based education and training (CBET) assessor/verifier in Mechanical Engineering Technology and Maintenance: CDACC

Publications

Year	January 2019
Title	Production of Particle Boards from Sugarcane Bagasse and Euphorbia Sap
Journal	International Journal of Composite Materials
Publisher	Scientific and Academic Publishing

Conferences

Year	26 TH to 28 TH March 2019
Title	9 th Learning Factory Conference
Host country	Germany
Institution	Technical University of Braunschweig

Education Background

Year	2015 – 2018
Qualification	Master of Technology In Mechanical Engineering
Institution	Technical University of Kenya

Year	2011 – 2013
Qualification	Bachelor of Science In Mechanical Engineering.
Institution	Jomo Kenyatta University of Agriculture and Technology

Year	2006 – 2008
Qualification	Higher Diploma in Mechanical engineering (plant option)
Institution	Kenya Polytechnic University College

Year	1999-2001
Qualification	Diploma In mechanical engineering (plant option)
Institution	Kisumu Polytechnic

Year	1993 -1996
Qualification	Kenya certificate of secondary education (KCSE)
Institution	Kisii High School

Core Skills / Strengths

Skill / Strength	Last used	Skill level
1) Mechanical Engineering technology & Maintenance	Current	Expert
2) Technical Education planning and Training	Current	Expert
3) Mechanical Engineering technology and maintenance curriculum development	Current	Expert

Work Experience

Period	October 2015 to Present
Company Name	Technical University of Kenya
Position	Assistant Lecturer - Mechanical Engineering
Responsibilities	<ul style="list-style-type: none">• Training of learners and examining them in areas of Mechanical and Mechatronics field as well as other administrative tasks assigned to me by

	<p>Head of Department.</p> <ul style="list-style-type: none"> • Coordination of TVET learning programme sponsored by African Development Bank in the department. • Coordination of pilot project in Competence Based Education and Training (CBET) courses in the University. • A master trainer of trainers in Mechanical Technology using competency based education and training approach.
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Period	April 2004 to May 2012 (8 Years)
Company Name	Sang`anyi Tea Factory Co. Ltd
Position	Mechanical Technician (Head of Engineering section)
Responsibilities	<ol style="list-style-type: none"> 1) Implementation of the energy utilization and conservation program, ensuring that the set targets are achieved, assessment of various sections for further improvement in consultation with management in Sanganyi Tea Factory Co. Ltd. 2) Planning of preventive maintenance of machinery, allocating the maintenance team, supervising the team and assisting them in areas of weakness in Sanganyi Tea Factory Co. Ltd. 3) Ensuring that the statutory inspections of the plant equipment i.e. the pressure vessels, lifting equipment, annual shutdown maintenance of boilers, and calibration of test and measuring equipment program is followed as scheduled in Sanganyi Tea Factory Co. Ltd. 4) Implementation of the breakdown maintenance program with the maintenance team ensuring minimum downtime during operations in Sanganyi Tea Factory Co. Ltd. 5) Installation and maintenance of steam system fittings, maintenance and regular inspections of the system in Sanganyi tea factory co. ltd. 6) Preparation of daily, weekly, monthly, semi-annually and annual machinery maintenance and performance reports in line with the requirements of ISO 9001:2008 in Sanganyi Tea Factory Co. Ltd. 7) Successfully installed and commissioned new machines both high speed like CTC (cutting, tearing and curling) machines and slow speed like continuous fermenting machine respectively in Sanganyi

	<p>Tea Factory Co. Ltd.</p> <p>8) The team leader of the maintenance team of 21 members comprising of ;3 fundi-mates, 3 lathe operators, 2 electricians, 3 boiler operators, two water pump operators, 2 motor vehicle mechanics, one carpenter, one mason, one plumber, one senior electrician, one senior motor vehicle mechanic, one senior factory mechanic in Sanganyi Tea Factory Co. Ltd.</p> <p>9) The assistant quality management representative of the factory in implementing of ISO9001:2008 and the deputy food safety team leader in ISO22000:2005 in Sanganyi Tea Factory Co. Ltd.</p> <p>10) The secretary of the occupational health safety and environment team made up of nine members in the factory ensuring a safe working environment to workers, machinery, product and customers i.e. provision of adequate ventilation, lighting gangways, wholesome drinking water, and personal protective equipment, regular training on safe working practice in Sanganyi Tea Factory Co. Ltd.</p> <p>11) In-charge of water treatment, supply and distribution system apparatus maintenance, liquid and solid waste management in the factory in Sanganyi Tea Factory Co. Ltd.</p>
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Academic Projects done	<p>1) Design of a hydro-powered grain milling machine at Diploma level</p> <p>2) Modification of Sanganyi tea factory Co. ltd steam plant to incorporate electrical power generation at Higher Diploma level</p> <p>3) Design and fabrication of an ice-cube maker at Bachelors level</p> <p>4) Design and fabrication of bagasse-euphorbia boards at Master of Technology level</p>
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Referees

Name	Prof. Alex Muumbo
Position	Executive Dean, Faculty of Engineering, Sciences and Technology
Company	Technical University of Kenya
Contact	muumboalexis@gmail.com , 0721677083

Name	Mr. Julius Kirui
Position	Lecturer and Acting Chairman, Mechanical and Mechatronics Engineering
Company	Technical University of Kenya
Contact	jkikibet@yahoo.co.uk , 0720565835

Name	Prof. Bernard Odera
Position	Associate Professor, Mechanical Engineering
Company	The Technical University of Kenya
Contact	Bodera2010@gmail.com , 0722443461