

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Keya Moses
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Nationality: Kenyan **ID. No.** 23479882

CAREER OBJECTIVE

To be able to apply broad based knowledge to the solution of dynamic engineering and management problems, and thus expand my professional horizons beyond the university curriculum

BEHAVIOURAL ATTRIBUTES & JOB SKILLS

I exhibit high level of integrity, professionalism, keenness to details, good interpersonal relations with excellent communication and organizational skills.

EDUCATIONAL BACKGROUND

Year	Institution	Award
2014 to date:	Masinde Muliro Univ, KAKAMEGA	MBA (Operations Management)
2003 – 2008:	Egerton University, NJORO- Kenya	Bsc. (Instrumentation & Control Eng.)
1998 – 2001:	Friends School Kamusinga, KIMILILI	O- Levels (K.C.S.E) Mean grade B+ (Plus)
1990- 1997:	St. Joseph's R.C. Primary Sch. WEBUYE	K.C.P.E (Mean grade, B+ (Plus))

EMPLOYMENT PROFILE

Feb. 2015 to date:

Nzoia Sugar Company Ltd, BUNGOMA

Instruments Engineer

Duties and Responsibilities

- To ensure accurate maintenance & proper operation of all instrumentation/control systems in the factory.
- To timely initiate the procurement/replenishment of relevant spares for the instrumentation and control systems, and maintain an updated equipment inventory.
- To ensure timely calibration and standardization of all weighbridges and scales in line with statutory/government regulations
- To ensure availability (proper maintenance and functioning) of packaging/bagging plant equipment, weighbridges and other weighing/measuring instruments.
- To ensure timely calibration and standardization of all calibration equipment by accredited external agencies in line with Quality Management System requirements.

- To ensure correct configuration, programming, calibration and installation of new instrumentation and mechatronic equipment in the factory, in liaison with relevant authorities
- To ensure proper adjustment and setting of the safety shutdown systems of plant instrumentation equipment
- To prepare section budget & ensure cost effectiveness in the utilization of financial & non-financial resources
- To carryout suitable modifications aimed at improving and/or sustaining plant operations
- To liaise with other departments to ensure standardization of all instrumentation equipment

Dec. 2013 to Jan. 2015:

Nzoia Sugar Company Ltd, BUNGOMA
Instrumentation Engineering Superintendent
Duties and Responsibilities

- Planning and execution of all instrumentation projects in liaison with the Instruments Engineer to improve factory efficiency
- Diagnosis of instrumentation faults & breakdowns and overseeing timely repairs
- Preparation & Implementation of PPM for instrumentation/mechatronic systems and equipment in the plant
- Ensuring measurement/weighing equipment are well maintained, calibrated and duly stamped by relevant authorities
- Monitoring various control parameters for various engineering measurement systems and carrying out necessary corrective action to address deviation from the expected values
- Ensuring proper setting & operation of safety shutdown systems in the plant
- Directing, instructing and supervising the instrumentation personnel while carrying out assigned duties
- Monitoring stock levels for instrumentation spares in the factory store and advise the Instruments Engineer to initiate procurement process as required
- Inspection and testing of new instrumentation equipment to ensure they match the required technical specification
- Ensure the section adheres to all the requirements of ISO 9001:2008 to ensure continuous improvement.

Feb 2011 to Nov. 2013:

Nzoia Sugar Company Ltd, BUNGOMA
Management Trainee (Instrumentation Engineering)
Areas exposed:

- Calibration, Repair and Maintenance of a wide range of instrumentation and control systems in the factory
- Configuration/programming of PID based industrial process controllers to suit various control functions aimed at improving and sustaining operations
- Preventive maintenance of weighbridges, check scales, bagging & packaging machines, and related measuring equipment.
- Preparation of technical specifications and carrying out technical evaluations for relevant instrumentation and process control spares.
- Development of timely PPM plans and subsequent reviews to assess performance
- People management and supervisory skills
- Implementation of ISO 9001:2008 standard in the section's QMS

June 2008 to Jan. 2011:

Nzoia Sugar Company Limited

Electrical/Instrumentation technician (on temporary terms)

Duties and Responsibilities

- Performing maintenance tasks e.g. electrical preventative maintenance on switchgears, Variable speed drives, alarms and related control systems, motors etc.
- Troubleshooting/repair of electrical and instrument equipment.
- Daily and routine inspection of the working conditions of various electrical installations and instrumentation equipment to determine maintenance requirements and procedures.
- Maintain records of maintenance and repair work, prepare reports, documentation and correspondence.
- Take part in condition monitoring of various plant equipment using sophisticated instrumentation such as vibration meters, phase rotation meters etc.

PROFESSIONAL MEMBERSHIPS

Graduate Engineer, Engineers Board of Kenya (EBK)

Member (IET) Institution of Engineering Technologists and Technicians - Kenya

Member, Kenya Engineering Technology Registration Board

OTHER ROLES AND RESPONSIBILITIES

Acted as Engineering Manager (Electrical & Instrumentation) for 6months

Secretary, Energy Management Committee (NSC)

Internal QMS Auditor (ISO 9001:2008) and (ISO 9001:2015)
Member, Quality Cycle team, Factory Department
Member, Monitoring and Evaluation Committee (NSC)

PROJECT MANAGEMENT EXPERIENCE:

1. Installation and Commissioning of SCADA/PLC based monitoring and control system for the 4MW and 3MW turbo-alternators (FY: 2016/2017). Budget: KES 19M
2. Installation and commissioning of 3rd sugar packaging line -Bosch SVE 2520 (FY: 2015/16). Budget: KES 50M
3. Design, installation and commissioning of all monitoring & control instrumentation for the 2nd line Multiple Effect : Evaporation & Condensate stations (FY: 2015/16): Budget: KES 8M
4. Upgrade of two Cane weighbridges from 50T,18m/L225 Pit type to 80T, 21m BMS/E1205 surface type (FY: 2014/15)
5. Installation & commissioning of Radar sensors for various tank level measurements FY: 2014/15
6. Design, installation and commissioning of automatic relief system for exhaust steam to the process house, so as to minimize overloads on powerhouse turbine FY: 2013/14

SEMINARS/WORKSHOPS AND SHORT COURSES

21 st – 25 th May 2018:	ISO 9001:2015 Internal Auditor Course, Facilitated by the Kenya Bureau of Standards
8 th – 10 th Feb. 2017:	ISO 9001:2015 Transition Course, Facilitated by the Kenya Bureau of Standards, at Kisumu Hotel
7 th – 9 th Nov. 2016:	Training on Vertical Form Fill and Seal Machines at Robert Bosch Packaging Technology, B.V. Weert, NETHERLANDS
3 rd - 5 th Dec. 2014:	Regional Metrological Conference facilitated by KEBS at Nyali Beach and SPA Hotels, Mombasa
22 nd – 26 th Sept 2014:	PLC & SCADA Systems course at the African Center for Corporate Studies, Nairobi
15 th – 16 th April 2013:	KHI Training Limited Course on Finance for Non-Financial Managers
30 th -31 st July 2012:	SKF's Reliability Engineering Training Course in General Condition Monitoring
2 nd July 2012	Management Skills Development Course facilitated by Eliud and Associates Management Consultants
22 nd – 23 rd Feb. 2012:	Industrial Relations Training Course facilitated by FKE
11 th – 17 th Feb. 2012:	ISO 9001:2008 Implementation and Internal Audit Courses, being part of the Quality Management Systems, facilitated by Competitive Options Ltd
23 rd – 27 th January 2012:	Workshop on Public Procurement and Disposal ACT 2005, and Regulations 2006, facilitated by the Kenya Institute of Supplies Management (KISM)
9 th -13 th June 2008:	Telecommunications courses at the Kenya College of Communications Technology (Multimedia University), Nairobi
24 th – 25 th June 2006:	Basic Course in Conflict Resolution, facilitated by the Centre for Conflicts Resolution- Nakuru, Kenya

REFEREES**1. Mr. Remmy W. Wanyonyi**

Engineering Manager (Electrical and Instrumentation)

Nzoia Sugar Company, Ltd

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BUNGOMA

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2. Mr. Bernard Ochieng Osungu

Instruments Engineer

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3. Mr. Kennedy Wesonga

Technical Manager

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