**WINNIE ATIENO ONYANGO**

**CURRICULUM VITAE**

PERSONAL DETAILS

**Name:**  Winnie Atieno Onyango

**Date of Birth**: 28th November, 1992

**District of Birth:** Nyando

**I.D. No.** 29517686

**Marital Status:** Single

**Gender**: female

**Address:**  P.O. Box 41191- 00100, Nairobi.

**Tel:** +254702340523

**E-mail:** winnieatieno@gmail.com

**CAREER OBJECTIVE**

* Using my training, interest and management potential to create a positive change in the Engineering field.
* To exercise professionalism and ethical conduct in this field.

# PERSONAL ATTRIBUTES

* Honest, reliable, self-motivated and self-disciplined.
* Team player, goal oriented and committed to excellence.
* Willing to learn and work.

### WORKING EXPERIENCE

**June 2018 to date:** Ministry of Transport, Infrastructure, Public Works, Housing & Urban Development

State Department of Public Works

Position: Engineer I (Mechanical) Building Services

**2016-May 2018: Industrial Attachment.** South Nyanza Sugar Company Ltd.)

**Duties:**

Developing working designs for the provision of Mechanical Building Services as:

* Air- conditioning and ventilation systems as in theatres, offices and boardrooms.

- Determination of cooling loads

* Duct layout designs
* Determination of pressure losses and air velocity requirements for comfort.
* Machine selection.
* Refrigeration and general cold room systems such as in mortuaries and kitchens.

- Determination of cooling loads

* Duct layout designs
* Determination of pressure losses and velocity requirements.
* Machine selection.
* Plumbing and drainage:
* Pipe sizing and layout
* Pump selection
* Determination of water storage capacities in government buildings.
* Water heating systems

- Internal drainage systems.

**Others.**

* Sanitary Fittings Installations in Buildings.
* Fire Fighting Installations (hose reels, sprinklers systems and portable extinguishers).
* Kitchen Equipment and L.P. Gas Supply Systems
* Laundry Equipment

**Other duties.**

* Developing detailed working drawings for the installation of above services.
* Cost estimation and tendering of the mechanical works.
* Carrying out regular inspections and analysis of progress of contracted works.
* Preparing monthly progress reports.

**Some specific projects handled among others are:**

1. N.H.I.F Headquarters -Mechanical Ventilation and Air conditioning
2. Mama Lucy Kibaki Hospital
3. Family Health Building at Kenyatta National Hospital

**January 2011-September 2011**: Aluor girls Secondary School.

Position: Science Teacher

Duties:

* Teaching science subjects i.e. Physics. Maths & Chemistry.

**May – August 2014**: Industrial Attachment.

South Nyanza Sugar Company Ltd.

Duties:

* Installation, operation and maintenance of pumps
* Safety, Health and elementary first aid. Types of fire,causes ,firefifhting methods and types of fire extinguishers
* Machine fitting floor and fabrication
* Boiler operation and steam generation,distribution,boiler fittings and accessories
* Filling system ,management of drawing office library,drawing work processs.
* Cane processing and associated mechanical maintanaces.

**May-August 2015**: Homa Lime Company Ltd.

Position: Industrial Attachment.

Duties:

* Operating machines such as lathes, milling, drilling, shaping, grinding, boring and capstan.
* Forging, soldering, brazing, welding and sheet metal fabrication and fitting.
* Lime production process

2000 May – August: Kenyatta University Workshops and Laboratories.

Position: Workshop practice.

Duties:

* Workshop training in machining, sheet metal fabrication, welding, casting and motor vehicle maintenance in the University workshops.
* Production planning and control
* Quality management
* Kaizen philosophy in workplace
* Manufacturing resource management
* Plant facility design and manufacturing systems design

# COMPUTER SKILLS

Computing skills from Instrumentation and Computer Services Center - Moi University and Winners Computers.

* Introduction to computer software and hardware.
* Operating systems: - Ms-Dos, Windows 95/98/2000/Win ME/Win XP.
* Engineering applications: - AutoCAD, Revit, Solid Works,Inventor,TVR Selection Software,Blender,LMMS,
* Microsoft office: - MS-word, Ms-Excel, Ms-Access, Ms-PowerPoint,
* Internet and E-mail Technology.

**ACADEMIC AND PROFFESSIONAL QUALIFICATIONS**

November 2016: Registered as a Graduate Engineer by Engineers Board of Kenya (EBK), Serial

No.B11429

**2011-2016**: BSc. Mechanical Engineering Kenyatta University (KU)

Grade attained: Second Class Honors, Upper Division.

**September2015-Aprill 2016:** Certificate in leadership and mentorship Kenyatta University

Grade attained: Distinction

**2007-2010:** Kenya Certificate of Secondary Education (K.C.S.E.)

St. Stephens Menara Secondary School.

Grade attained: A- (minus).

**2004- 2006:** Kenya Certificate of Primary Education (K.C.P.E.).

St. Johns primary school

Marks attained: 363 marks

**1999-2003:** Legetet hill school.

**MEMBERSHIP**

Graduate member of the Engineers Board of Kenya (EBK)

# HOBBIES AND OTHER INTERESTS

* Reading technical articles, listening to music, travelling and computers.

**REFEREES**

Eng. B. N. Karobia,

Senior Principal Superintending Engineer,

Ministry of Public Works,

P.O. Box 41191 - 00100, Nairobi.

Tel: 0722-483294

QS. A.K. Okweto, EBS

Works Secretary

Ministry of Public Works,

P.O. Box 41191-00100, Nairobi.

Tel: 0725-138322

Eng. Cheptinga

Principal Superintending Engineer,

Ministry of Public works,

P.O. Box 41191-00100, Nairobi.

Tel: 0722-339085