

## CURRICULUM VITAE

### 1. PERSONAL DETAILS

**First Name** : SAMSONI  
**Middle Name** : ZAKARIA  
**Surname** : ERASTO  
**Place of birth** : ILEMELA-MWANZA  
**Date of Birth** : 22<sup>ND</sup> FEB 1997  
**Sex** : MALE  
**Languages** : ENGLISH AND SWAHILI  
**Nationality** : TANZANIAN  
**Marital status**: SINGLE  
**Disability** : NONE

### 2. CONTACT DETAILS

**Postal Address**: P.O.BOX 4057  
**Email Address**: [samsonerasto07@gmail.com](mailto:samsonerasto07@gmail.com)  
**Mobile Phone**: +255755869051  
**Place of domicile**: Nyegezi, Mwanza - Tanzania

### 3. PROFILE:

I am a recent graduate of Saint Augustine University of Tanzania for the academic year 2022-2023, holding a degree in electrical engineering. My skill set includes strong communication, leadership, and relationship management abilities. I am highly motivated, capable of working independently in various environments, and proficient at following instructions and regulations. My expertise lies in switchgear protection, Measurement and Instrumentation, electrical design, electrical machine design, control, and transmission and distribution systems, reflecting my creative and well-organized approach to tasks under pressure with minimum supervision.

#### 4. CARRIER OBJECTIVES:

To be a competent Engineer and talented employee through experimental, applied learning opportunities and professional qualification to give total support to the organization with the experience, skills and capabilities that I have, I will work hard in order to achieve and fulfill Organization goals as a professional considering safety while developing skills which will increase my potential.

#### 5. ACADEMIC PROFILE:

INSTITUTE	DURATION	AWARDS
Saint Augustine University of Tanzania	2019-2023	Bachelor of Science in Electrical Engineering
Mwanza Secondary School	2017-2019	Advanced Certificate of Secondary Education Examination(M)
Ihungo Secondary School	2015-2017	Advanced Certificate of Secondary Education Examination(PCM)
Nyamagana Secondary School	2011-2014	Certificate of Secondary Education Examination
Iseni B Primary School	2004-2010	Certificate of Primary Education

#### 6. WORKING/TRAINING EXPERIENCE:

##### January 2024 to Present

Working as Estate Officer (Trainee Engineer) at TANZANIA CIVIL AVIATION AUTHORITY, (TCAA-HQ, DAR-ES-SALAAM).

##### TASK PERFORMED

- To monitor the progress of the rehabilitation of registry offices at the fifth floor at the Aviation house
- To perform underground cable megger test and cable short circuit maintenance
- Supervising the rehabilitation of the registry office project at Aviation house
- Supervising the installation of the Air conditioners at the control tower ACC buildings at Julius Nyerere International Airport (JNIA).
- Daily inspection and monitoring the parameter of the standby generators
- Participating in Generator maintenance winding megger test to trace the issue of short circuit and replacement of Diode kit.
- Participating in design and installation of electrical systems at new Receiver site, Emergency tower at JNIA.
- Designing of electrical systems and participating in electrical work installation for TCAA Fitness Center (GYM) at aviation house

## **September 2023 to January 2024**

Working as Graduate Electrical Engineer at Uhai Pure Drinking Water, (BAKHRESA GROUP, DAR-ES-SALAAM).

### **TASK PERFORMED**

- To change nitrogen level sensor with a new one, also changed the cable for solenoid dosing valve
- To perform maintenances in all production lines including cleaning sensors and its respectively refractors.
- To replace the defected servo amplifier signals a malfunction rotary plate belt drive with ACOPOS 1090 for Filler unit in line 2.
- Troubleshooting of AS-interface analog module in Blow molder module (BM) and replacement of the faulty one in line 2.
- To replace all 25000W and 3000W the defected Halogen Infrared Heater with the new one in the Blow molder in line 2 (BM).
- To remove the perform holder that dropped inside the heater box and cause the 12 pieces of heaters to break on line 5.
- To solve the problem of Malfunction profibus due to excessive weight by adjusting the parameters on the screen.
- To replace the defected and faulty thyristor (heating controller) on line 5 Blow moulder (BM), with the serviced one.
- To troubleshoot the line 4 filler-blow moulder-transfer starwheel synchronization error.
- To change Servo amplifier drive (ACOPOS 1090) for transfer star-wheel for filling unit (Filler) for line 4.
- Replacement of the defected Nitrogen gas tank from the Line 3 by one from the Line 1
- Troubleshooting the nitrogen dosing high speed driver faulty for line 3, burnt controller.
- Replacement of the high speed dosing valve driver for line 3 (VBC P/N: C - 51092).
- Replacement of guard door sensor at variopac pro machine on line 2.
- Replacement of defective one case conveyor power supply 40A, 24VDC with a new one.
- Replacement of defected SMI Oven power supply with the new one.
- Installation of portable UPS supplying the Single phase AC/DC 24V SITOP power supply in filler unit on line 1.
- Replacement of defected CPU due to partial failure, thus replaced with the new one in filler unit on line 1.
- Replacing the defected modulating valve with the new one on line 1.

**August 2022 to October 2022**

Working as Electrical Engineer Trainee at Tanzania Civil Aviation Authority, (TCAA-HQ, DAR-ES-SALAAM).

**TASK PERFORMED**

- Assist in preparation and implement preventive and corrective maintenance schedules
- Compiling budget and cost estimation
- Inspection and Schedule maintenance of Air conditioners
- Installation of motorized ATS
- Daily inspection of water pumping machines
- Installation of Air conditioners
- Schedule Inspection of fire fighting system and fire control system
- Replacement of fluorescent lamp
- Schedule maintenance of lifts
- Replacement of dead cylinder
- Daily inspection and monitoring the parameter of the standby generators
- Inspection and maintenance of plumbing system
- Performing tender evaluation
- Preparing Specification of requirements and Bill of Quantity
- Participating in drawing-up short and long-term maintenance programme

**August 2021 to October 2021**

Working as Electrical Engineer Trainee at Tanzania Electrical Supply Company Limited, (TANESCO – MWANZA).

**TASK PERFORMED**

- Construction of MV and LV lines
- Maintenance of MV and LV lines
- Connection of service lines and Attending Tbs
- Planning for the new distribution lines
- Surveying

## **August 2020 to October 2020**

Working as Electrical Engineer Trainee at Tanzania Electrical, Mechanical and Electronic Services Agency, (TEMESA-MWANZA).

### **TASK PERFORMED**

- Electrical wiring installations
- Preparation of bills of quantity (BOQ)
- Installation of street light
- Maintenance of fluorescent lamps
- Installation of Manual and Automatic changeover switch

### **7. COMPUTER SKILLS:**

- Proficient user of Microsoft word, Microsoft excel and Microsoft power point. I am also competent in using software's like SCADA, Matlab, PLC skills, Programming skills, AutoCAD and HOMER software.

### **8. LANGUAGE PROFICIENCY:**

- Fluent in reading and writing English and Swahili

### **9. SKILLS AND ABILITIES:**

- Compiling budget and cost estimation
- Tendering evaluation
- Report writing, presentation and analysis skills
- Electrical design
- Solar PV design and installation skills
- Automation and Troubleshooting skills
- Switchgear protection

### **10. WORKSHOP SEMINARS ATTENDED:**

**6<sup>th</sup> July 2023:** Study tour at Nyakato Substation which was organized by the Department of Electrical Engineering & Information System (SAUT-MWANZA).

**8<sup>th</sup> October 2022:** Estate Management Capacity building training which was prepared by Tanzania Civil Aviation Authority (TCAA-HQ).

**6<sup>th</sup> – 10<sup>th</sup> June 2022:** Participating in Child Online Protection Training (COPT) that was prepared by African Advanced Level Telecommunication Institutes (AFRALTI) in partnership with Tanzania Communication Regulatory Authority (TCRA).

## **11. PROJECT AND PUBLICATIONS:**

SAMSONI ERASTO (2023): DESIGN OF ELECTRONIC ROAD TRAFFIC SAFETY SYSTEM AT SHARP BENDS ALONG SANGA-KILOLELI ROAD SECTION. Best project for academic year 2022-2023, in Department of Electrical Engineering & Information System (SAUT- MWANZA).

### **SUB ACTIVITIES:**

- To study the existing traffic safety measures
- To develop the control algorithm
- To design solar Pv and Monitoring system
- To test the performance of the developed system

## **12. HOBBIES AND INTERESTS:**

- Reading books
- Learning new invention/technique/technology

### 13. REFEREES:

**Eng. Mpelwa Ahmed Mwinge**

ATM/Aerodrome Inspector,  
Tanzania Civil Aviation Authority (TCAA-HQ),  
P.O. BOX 2819, Dar-es-Salaam  
Mobile: +255 786153214  
Email: [mpelwa.mwinge2@tcaa.go.tz](mailto:mpelwa.mwinge2@tcaa.go.tz)

**Eng. Swalehe Nyenye**

Estate Manager  
Tanzania Civil Aviation Authority (TCAA-HQ)  
P.O. BOX 2819, Dar-es-Salaam  
Mobile: +255 754624670  
Email: [swalehe.nyenye2@tcaa.go.tz](mailto:swalehe.nyenye2@tcaa.go.tz)

**Dr. Bonny Mgawe**

Lecturer  
Nelson Mandela African Institute of Science and Technology (NM-AIST)  
P.O. BOX 447, Arusha  
Mobile: +255 658123797  
Email: [bonny.mgawe@nm-aist.ac.tz](mailto:bonny.mgawe@nm-aist.ac.tz)

**Eng. Mwanaisha H. Salum**

ATM/Aerodrome Inspector,  
Tanzania Civil Aviation Authority (TCAA-HQ),  
P.O. BOX 2819, Dar-es-Salaam  
Mobile: +255 684325755  
Email: [mwanaishasalum@yahoo.co.uk](mailto:mwanaishasalum@yahoo.co.uk)

### 14. CERTIFICATION

I, **SAMSONI ZAKARIA ERASTO** do hereby certify that the statements made by me in my personal profile are true, complete and correctly describes my qualifications and my experiences. I also certify that any documents provided in support of my application are authentic and accurate.



Samsoni Zakaria Erasto