



# CALVIN KINYANJUI

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[CALVIN PROFILE](#)

## BRIEF PROFILE

Calvin Kinyanjui is a young and aspiring Electrical and Electronics Engineering student. His open-mindedness and ability to acclimatize in different environments provide him the impetus to yearn to learn, grow and up-skill his repertoire.

Driving change, creating solutions, collaboration in teams, endearing to be resourceful and leadership skills would constitute the tenets by which Calvin stands by as he journeys through his career that transcends himself into the society at large.

## WORK EXPERIENCE

**VICE SECRETARY • IET STRATHMORE UNIVERSITY CHAPTER • MAY 2023 - PRESENT (6 MONTHS)**

**ENERGY MODELLER • STRATHMORE ENERGY RESEARCH CENTRE • MARCH 2023 - PRESENT (8 MONTHS)**

Involved in projecting energy consumption in far flung mini grids by use of atmospheric elements and better advise CBA (Cost Benefit Analysis).

**iTEAMS 2023 MARKET RESEARCH LEAD • STRATHMORE ENERGY RESEARCH CENTRE • FEBRUARY 2023 - APRIL 2023 (3 MONTHS)**

Researched on a project titled, "Ecovative Solution", an E-recycle bin aimed at aiding the sorting of waste material into three departments of plastic, metal and glass by use of capacitive and inductive sensors.

**PROJECT DEVELOPER. • IEEE YESIST12 • MAY 2023 - JULY 2023 (3 MONTHS)**

Participated in the IEEE YESIST12 edition this year under the project titled, "Smart Lighting System," that aims to incorporate the characteristics of sensors in optimizing the usage of energy resources to by generating cost effectiveness.

**IDEAS FEST PROJECT PROPOSER. • STRATHMORE UNIVERSITY • NOVEMBER 2022 - DECEMBER 2022 (2 MONTHS)**

Pitched the project on "Smart Lighting System" in the inaugural and annual Ideas Festival 2022 which looked to revolutionize the university's lavatory lighting system towards smart whilst addressing the aspect of CBA (Cost Benefit Analysis).

**MAKERSPACE STUDENT FELLOW • STRATHMORE UNIVERSITY • AUGUST 2023 - PRESENT (3 MONTHS)**

Work as a student fellow at the Strathmore University Makerspace. My roles include coordination of makerspace activities, maintenance of equipment, onboarding of IoT projects.

## DIGITAL SKILLS

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Python Programming.

Leadership.

Market Research.

VHDL (Verilog).

Arduino computing.

C++ programming.

Proteus.

AUTOCAD.

MS Word.

## CERTIFICATIONS

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IEEE YESIST12 ( [credential](#) )

ITEAMS 2023 ( [credential](#) )

IDEAS FEST 2022 ( [credential](#) )

TME Education Arduino  
([credential](#))

## LANGUAGES

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English – Full Proficiency

Kiswahili – Full Proficiency

Spanish – Limited Proficiency

## EDUCATION AND TRAINING

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**BSc. ELECTRICAL AND ELECTRONICS ENGINEERING •  
STRATHMORE UNIVERSITY • JUNE 2021 – DECEMBER 2025**

Class Representative, Member of School of Computing and Engineering  
Students' Association, Member of Institute of Engineering and Technology.

**STRATHMORE HIGH SCHOOL • JANUARY 2017 – MARCH 2021**

Football Team, Volleyball Team, Research club, Science club.

**RIARA ROAD PRIMARY SCHOOL • JANUARY 2009 –  
NOVEMBER 2016**

Football Team

## CURRENT PROJECT

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**SMART STIMA ENERGY MANAGEMENT DEVICE (JULY 2023 –  
PRESENT)**

Involved in the development of a cost efficient project that aims to  
incorporate the characteristics of IR sensor and motion sensor in  
optimizing the usage of energy resources by generating cost effectiveness  
especially in the lavatories.

## HONOURS & AWARDS

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1<sup>st</sup> runners up in inaugural IDEAS FEST 2022 in Strathmore University  
Most Improved student in Form 4.  
Best student in Geography Form 3.

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## ORGANIZATIONS

IEEE (Institute of Electrical and Electronics Engineers)

IET (Institute of Engineering and Technology)

IEK de-facto member

## HOBBIES & INTERESTS

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Playing football.

Watching science documentaries.

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## ADDITIONAL INFORMATION

**KUNEFood INFLUENCER • KUNE FOOD • MAY 2022 – JULY 2022 (3 MONTHS)**

Worked in conjunction with the Sales and Marketing department in the influencer campaign period. Customers were offered discounted prices of ksh200 off and free delivery within Nairobi upon the utilization of my code (KUNEGLOVO0W0JPUH) at the time, through the online website. Customers could only utilize my code once.

## VOLUNTEERING

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**STUDENT VOLUNTEER • CHRISTIAN MINISTRIES IN AFRICA • JAN 2023 – FEBRUARY 2023**

Rendered my services to the school primarily in the kitchen department.

**STUDENT VOLUNTEER • APDK • APRIL 2019**

Provide real-time scheduling support by booking appointments, scheduling meetings and preventing conflicts.

## REFEREES

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DR. JULIUS BUTIME

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