

## PROFESSIONAL SUMMARY

Aspiring Telecommunication Engineer with hands-on experience in electrical systems, networking, and ICT support. Proven ability to lead technical installations, manage cyber services, and collaborate in cross-functional engineering teams. Strong foundation in IoT and machine learning applications. Eager to contribute to innovative tech-driven environments

## WORK EXPERIENCE

### **Calmape Engineering Ltd- Nakuru Internship**

**Jan 2025– To Date**

- Actively involved in business development, including tender documentation and bid preparation.
- Managed front office operations, including welcoming visitors, handling inquiries, managing correspondence, and organizing office records.
- Provided ICT support by troubleshooting hardware and software issues, performing basic maintenance in the ICT department, and managing wireless Safaricom fiber Wi-Fi.
- Coordinated with Safaricom's technical team to resolve network issues.
- Led cybersecurity initiatives by implementing security measures, monitoring system vulnerabilities, and ensuring data protection protocols were adhered to in Calmape Engineering Ltd.
- Joined the technical team for engineering projects, including electrical installation, CCTV installation, and generator maintenance.
- Participated in site visits, tender submission, and tender opening on behalf of Calmape Engineering Ltd.

### **DeKUT Catholic Chaplaincy Media Center**

**Sep 2023 – Jan 2025**

### **Cyber Services Volunteer**

- Set up and maintained **network infrastructure** and ensured connectivity across chaplaincy computers.
- Actively managed operations of the chaplaincy's **cyber center** during free hours outside academic commitments
- Delivered essential services including **printing, scanning, photocopying, and document editing**.
- Assisted students with **online services** such as **KRA PIN applications, tax returns, HELB applications, and government portal registrations**.
- Troubleshoot hardware and software issues to maintain smooth daily operations.
- Provided basic digital literacy support to fellow students unfamiliar with online forms and submissions.
- Operated in a **completely voluntary capacity**, supporting over **900+ students** throughout the academic year.

## **Savotech Venture-Bondo External Attachment**

May 2023 – August 2023

- Actively participated in the installation, repair, and maintenance of:
    - CCTV systems
    - Electrical systems
    - Wi-Fi networks
    - Solar systems
    - Generators
    - Alarm security systems
  - Gained hands-on experience in troubleshooting and maintaining these systems to ensure efficiency and security.
  - Time management and working extra hours in technical projects

Dadan Kimathi University of Technology -Nyeri May 2022 – August 2022

## **Internal Attachment**

- Computer networking & troubleshooting
  - Practical application of electrical machines (motors & transformers)
  - Hands-on experience with engineering software (MATLAB, ArchiCAD)
  - Arduino microcontroller applications
  - PCB layout and design fundamentals

Siger Mixed Secondary School – Kenya

Jan 2020 – Mar 2020

## **Volunteer Tutor & Sports Assistant**

- Volunteered to support students with remedial revision before COVID-19 school closures.
  - Conducted practical science sessions in **Physics**, **Chemistry**, and **Biology**, strengthening lab skills.
  - Provided targeted tutoring in **Mathematics** and **Science** subjects upon students request on different topics.
  - Assisted teachers by simplifying complex concepts and supporting classroom instruction.
  - Oversaw and coached students in field events, including **hammer throw**, **shot put**, and **discus**, contributing to improved performance in school athletics.
  - Promoted teamwork, discipline, and physical fitness through regular training sessions and sports mentorship.

EDUCATION

Bachelor of Science in Telecommunication and Information Engineering, Dedan Kimathi University of Technology	Second upper	2020 – 2025
Kenya Certificate of Secondary Education, Siger Mixed Secondary School	B(Plain)	2016 – 2019
Kenya Certificate of Primary Education, Siger Primary School	308	2007-2015

## SKILLS

### TECHNICAL:

- Computer-Networking (LAN/WAN setup)
- Wi-Fi networks)
- Generator Installation Solar installation)
- Electrical Installation & Maintenance

- CCTV installation
- MATLAB

### SOFT SKILLS:

- Time Management
- Teamwork & Collaboration
- Technical Documentation
- Problem Solving

## PROJECTS

### **IoT-Based Cattle Health Monitoring System**

Final year project 2024(May-December)

- Designed and deployed ESP32-based nodes with acceleration and temperature sensors – Implemented machine learning for real-time anomaly detection – Developed a gateway for sensor data collection and analysis

### **Comprehensive Security & Power Solutions2023**

#### **Deployment at Savotech Venture – Savotech Venture**

- Led the installation, maintenance, and troubleshooting of integrated security and power solutions, including CCTV, alarm systems, and solar power setups. – Conducted generator installation and maintenance to guarantee an uninterrupted power supply.

## Interests

- Hiking & Mountain Climbing
- Cycling
- Researching-Emerging Technologies
- Traveling & Networking with Professionals

## REFEREES

### **Dr. Joseph Muguro (PhD)**

Lecturer, Electrical Department, Dedan Kimathi University of Technology

Phone: +254 724 429600

### **Mr. Geoffry Mula-**

Project Manager Calmap Engineering Ltd

Phone: 0711652835

### **Mr Benard Asewe**

Director Savotech Venture Bondo

Phone: 0717413024





DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY  
P.O. BOX 657, 10100 - NYERI, KENYA  
TELEPHONE: 061-2050000, 0708801853, 0736456391, FAX: +254 (020) 2417997  
e-mail: [vc@dkut.ac.ke](mailto:vc@dkut.ac.ke); website: [www.dkut.ac.ke](http://www.dkut.ac.ke)  
*Office of the Vice Chancellor*

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DeKUT/VC/GRAD.18/2025

16<sup>th</sup> May 2025

Pascal Ochieng  
E020-01-0926/2020

Dear Pascal,

**RE: CONGRATULATIONS ON YOUR GRADUATION**

On behalf of Dedan Kimathi University of Technology Community, I take this opportunity to congratulate you for this great achievement. As DeKUT community, we recognize that you worked hard to get to the finishing line that today we proudly describe as **Class of May 2025**.

Once more, congratulations and best wishes. I look forward to your participating with us as a member of Dedan Kimathi University Alumni Association.

Yours sincerely,

*P. N. M*  
Prof. Eng. Peter N. Muchiri, EBS  
Vice Chancellor, DeKUT





**DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY  
P.O. BOX 657 – 10100 NYERI KENYA  
ELECTRICAL & ELECTRONIC ENGINEERING DEPARTMENT**

Website: <http://www.dkut.ac.ke>

**Tel 061-2301048**

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Date: May 19, 2025

To Whom It May Concern

Dear Sir/Madam

**RE: RECOMMENDATION LETTER FOR MR. PASCAL OCHIENG OF ID No. 36435455**

I am writing to provide a strong recommendation for Mr. Pascal Ochieng at your organization. Mr. Ochieng recently graduated from Dedan Kimathi University of Technology (DKUT) with a Bachelor's degree in Telecommunication and Information Engineering.

During his student life at DKUT, Mr. Ochieng displayed remarkable dedication and academic prowess in the field of Telecommunication and Information Engineering, particularly in Machine Learning and Artificial Intelligence. As his instructor for several courses, including artificial intelligence and final year projects, I had the opportunity to witness firsthand his exceptional abilities and commitment to excellence.

Mr. Ochieng has consistently demonstrated a keen interest in exploring and mastering complex concepts, going above and beyond to deepen his understanding of the subject matter. This curiosity, coupled with his strong work ethic, enabled him to excel academically and produce high-quality work consistently.

Given his exceptional academic performance, leadership abilities, and practical experience, I have no doubt that Mr. Ochieng will excel in any role. His enthusiasm for learning, coupled with his technical expertise, makes him an ideal candidate for this position.

I strongly recommend Mr. Pascal Ochieng for a position in your institution, and I am confident that he will make significant contributions to your esteemed organization. Should you require any further information or clarification, please do not hesitate to contact me.

Yours Faithfully

Dr. Joseph K. Muguro



Lecturer,

Electrical and Electronic Engineering Department,

Dedan Kimathi University of Technology

Cell phone: +254724429600

Email: joseph.muguro@dkut.ac.ke



# SAVOTECH VENTURES

Tell: +254 717 413 024  
+254 739 327 660

Email: [savotech1@gmail.com](mailto:savotech1@gmail.com)  
Box : 169 - 40601 BONDO

05/08/2023

OUR REF: 05/08/2023

YOUR REF:

TO WHOM IT MAY CONCERN

Dear Sir /Madam,

**RE: PASCAL OCHIENG, ID NO. 36435455.**

This is to confirm and recommend the above-mentioned person who has been in attachment with us as an electrical engineer (Telecommunication) for three months and later worked as an intern for a month.

While on duty he did a commendable job and proved to be hard working, reliable, honest and dynamic in all his undertaking. He gained knowledge in the following areas;

- Electrical installation and maintenance
- CCTV surveillance system installation and maintenance
- Solar installation and maintenance
- Generator installation and maintenance (single phase)
- Home alarm system installation
- Networking

I am confident that **PASCAL OCHIENG** would be a great fit for your company because he possesses great skills and competency needed to make a company grow.

Yours faithfully,

**05 AUG 2023**

TEL: 0717413024

**BENARD MARK ASEWE**  
**CHIEF ENGINEER & DIRECTOR**  
**SAVOTECH VENTURES.**





# CERTIFICATE

OF ACHIEVEMENT

In partnership with



This is to certify that

Pascal Ochieng

Has successfully completed and passed Soft Skills Training on 7th May 2025

- Effective Communication.
- Personal Effectiveness
- Emotional Intelligence
- Employability Skills
- Creativity and Problem Solving

  
Country Programs Lead,  
BrighterMonday Kenya





# DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

## PROVISIONAL UNDERGRADUATE ACADEMIC TRANSCRIPT

Name: Pascal Ochieng OROT

Registration No: E020-01-0926/2020

School: SCHOOL OF ENGINEERING

Degree: BACHELOR OF SCIENCE IN TELECOMMUNICATION AND INFORMATION ENGINEERING

Academic Year: 2020/2021

Year of Study: FIRST

Unit Code	Unit Title	Unit(s)	Grade
ETI 1101	Introduction to Engineering and Computing	1	A
SMA 1117	Calculus I	1	B
HNS 1100	Gender, HIV AIDS and Substance abuse	1	A
IGS 1104	Introduction to Philosophy and Critical Thinking	1	A
SMA 1108	Algebra	1	B
SPH 1120	Physics I	1	A
SPH 1222	Physics II	1	B
SMA 1109	Geometry and Linear Algebra	1	B
SMA 1218	Calculus II	1	B
EME 1101	Workshop Practice I	1	A
EME 1202	Fundamentals of Mechanical Engineering	1	B
EME 2102	Engineering Drawing and Design	1	C
ETI 1202	Circuit and Network Theory I	1	C
ETI 2102	Electrical Measurements and Instrumentation	1	C
IGS 1201	Communication skills: An introduction to General Studies and African Civilization	1	A

Mean Grade: B

RECOMMENDATION: PASS

NB:

1 unit consists of 35 lecture hours or equivalent (3 Practical hours of two tutorial hours are equivalent to 1 lecture hour)

**KEY TO THE GRADING SYSTEM**

A = 70 – 100%	Excellent
B = 60 – 69%	Good
C = 50 – 59%	Satisfactory
D = 40 – 49%	Pass
E = 0 – 39%	Fail
INC	Incomplete

CHAIRMAN  
De.K.U.T.  
DEPARTMENT OF ELECTRICAL  
Signed: LAWRENCE MUTHONI  
CoD, Electrical & Electronic Engineering  
Date: 24/9/21



# DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

## PROVISIONAL UNDERGRADUATE ACADEMIC TRANSCRIPT

Name: Pascal Ochieng OROT

Registration No: E020-01-0926/2020

School: SCHOOL OF ENGINEERING

Degree: BACHELOR OF SCIENCE IN TELECOMMUNICATION AND INFORMATION ENGINEERING

Academic Year: 2021/2022

Year of Study: SECOND

Unit Code	Unit Title	Unit(s)	Grade
ETI 2101	Physical Electronics	1	C
ETI 1204	Material Science	1	C
ETI 2103	Introduction to Networks	1	B
CCS 2101	Computer Programming	1	C
SMA 2119	Calculus III	1	C
ETI 1203	Workshop Practice II	1	B
IGS 2101	Communication Skills: Understanding Africa's Mathematics and Film	1	A
CCS 2202	Data Structures and Algorithms	1	B
ETI 2204	Circuit and Network Theory II	1	D
ETI 2205	Electromagnetics I	1	A
ETI 2206	Network Design and Management	1	A
SMA 2220	Calculus IV	1	B
SMA 2232	Ordinary Differential Equations	1	B
BCM 2240	Principles of Entrepreneurship and Marketing	1	B
IGS 2102	Communication Skills: African Technology and Literature	1	A

Mean Score: 62.93

Mean Grade: B

RECOMMENDATION: PASS

### KEY TO THE GRADING SYSTEM

A = 70 – 100%	Excellent
B = 60 – 69%	Good
C = 50 – 59%	Satisfactory
D = 40 – 49%	Pass
E = 0 – 39%	Fail
INC	Incomplete

### NB:

A unit is defined as the equivalent of 39 lecture hours spread over one semester. For this purpose, two hours of tutorial or three hours of practicals are equivalent to one hour of lecture.

Signed: \_\_\_\_\_  
CoD, Electrical & Electronic Engineering  
Date: 29/6/22





## DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

### PROVISIONAL UNDERGRADUATE ACADEMIC TRANSCRIPT

Name: Pascal Ochieng OROT

Registration No: E020-01-0926/2020

School: SCHOOL OF ENGINEERING

Degree: BACHELOR OF SCIENCE IN TELECOMMUNICATION AND INFORMATION ENGINEERING

Academic Year: 2022/2023

Year of Study: THIRD

Unit Code	Unit Title	Unit(s)	Grade
ETI 3101	Analogue Electronics I	1	B
ETI 3102	Distributed Computing and Applications	1	B
ETI 3103	Electromagnetics II	1	C
ETI 3104	Digital Electronics I	1	D
ETI 3105	Electrical Machines I	1	B
CCS 2101	Database Systems	1	A
ETI 3206	Digital Electronics II	1	B
ETI 3207	Internet of Things and Data Science applications	1	B
ETI 3208	Electromagnetics III	1	C
ETI 3209	Analogue Electronics II	1	B
ETI 3210	Introduction to Software Engineering	1	A
SMA 2272	Statistics	1	C
IGS 3101	Communication Skills	1	A
IGS 3102	Communication skills: The arts of Africa	1	B

Mean Grade: B

RECOMMENDATION:PASS

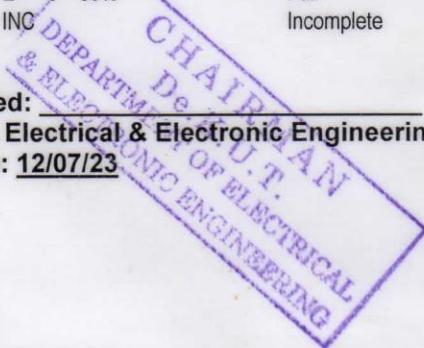
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C = 50 – 59%	Satisfactory
D = 40 – 49%	Pass
E = 0 – 39%	Fail
INC	Incomplete

#### NB:

A unit is defined as the equivalent of 39 lecture hours spread over one semester. For this purpose, two hours of tutorial or three hours of practicals are equivalent to one hour of lecture.

Signed: \_\_\_\_\_  
CoD, Electrical & Electronic Engineering  
Date: 12/07/23





## DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

### PROVISIONAL UNDERGRADUATE ACADEMIC TRANSCRIPT

Name: Pascal Ochieng OROT

Registration No: E020-01-0926/2020

School: SCHOOL OF ENGINEERING

Degree: BACHELOR OF SCIENCE IN TELECOMMUNICATION AND INFORMATION ENGINEERING

Academic Year: 2023/2024

Year of Study: Fourth

Unit Code	Unit Title	Unit(s)	Grade
ETI 4101	Control Engineering I	1	C
ETI 4102	Power Systems I	1	C
ETI 4103	Mobile and Internet Applications Development	1	B
ETI 4104	Transmission Lines and Waveguide Theory	1	B
ETI 4105	Power Electronics	1	B
ETI 4106	Signals and Communication I	1	B
ETI 4207	Radio Frequency Circuits	1	A
ETI 4208	Digital Communication	1	B
ETI 4209	Research Methodology	1	A
ETI 4210	Machine Learning	1	C
ETI 4211	Microprocessors and Embedded Systems	1	C
ETI 4212	Signals and Communication II	1	B

Mean Grade: B

RECOMMENDATION: PASS

#### KEY TO THE GRADING SYSTEM

A = 70 – 100%	Excellent
B = 60 – 69%	Good
C = 50 – 59%	Satisfactory
D = 40 – 49%	Pass
E = 0 – 39%	Fail
INC	Incomplete

#### NB:

A unit is defined as the equivalent of 39 lecture hours spread over one semester. For this purpose, two hours of tutorial or three hours of practicals are equivalent to one hour of lecture.

Signed:  
CoD, Electrical & Electronic Engineering  
Date: 1/7/2024



# The Kenya National Examinations Council

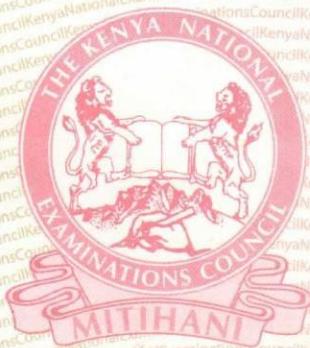


## KENYA CERTIFICATE OF SECONDARY EDUCATION

This is to certify that the candidate named below sat for the Kenya Certificate of Secondary Education examination in the subjects shown and attained the grades indicated.



42721207/001



NAME: PASCAL OCHIENG  
SCHOOL: SIGER SECONDARY SCHOOL \*M1\*AT 42721207/001

**SUBJECT**

101 ENGLISH  
102 KISWAHILI  
121 MATHEMATICS  
231 BIOLOGY  
232 PHYSICS  
233 CHEMISTRY  
313 CHRISTIAN RELIGIOUS EDUCATION  
565 BUSINESS STUDIES

**GRADE**

C+ (PLUS)  
C (PLAIN)  
B+ (PLUS)  
B (PLAIN)  
A- (MINUS)  
B+ (PLUS)  
A- (MINUS)  
B- (MINUS)



SUBJECTS NAMED EIGHT - MEAN GRADE B (PLAIN)

EXAMINATIONS OF YEAR 2019

PRINTED: 200601:133652



Chief Executive Officer  
Kenya National Examinations Council

Chairman  
Kenya National Examinations Council

This is a secure document printed using special paper and inks.  
Please hold it up to the UV light to verify that the word BARAZA LA MITIHANI and the "AUTHENTIC" embedded thread can be seen through the paper.  
Not valid without a hologram.

(See overleaf for conditions of issue)

KCSE / 19 4442903



# DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY



## Certificate of Training

This is to certify that

*Pascal Ochieng'*

Participated as a trainee in a five days Peer Counsellors Training in:

- Introduction to Peer Counselling in the University
- Basic Counselling skills
- Basic Theories in Counselling
- Self Awareness, Personal Growth and Behaviour Change
- Financial Literacy
- Professional Ethics in Counselling
- Contemporary Issues: Youth Criminology, Sexual Reproductive Health, Gender, Disability & Addictions
- Behaviour Change Communication Groups
- Stress & Stress Management
- Mental Health

Prof. Esther Magiri

DVC Administration & Finance

Fr. Dr. Vincent Wambugu



Better Life Through Technology

Head of Chaplaincy Services



# Certificate of Course Completion

*pascal ochieng*

has successfully achieved student level credential for completing the *Networking Basics* course.

The student was able to proficiently:

- Explain important concepts in network communication, network types, components, and connections.
- Explain the importance of standards and protocols in network communications.
- Explain how communication occurs on Ethernet networks.
- Explain the features of an IP address and IPv4 addresses are used in network communication.
- Explain features of IPv6 addressing.
- Explain how routers connect networks together.
- Use various tools to test and troubleshoot network connectivity.
- Configure an integrated wireless router and wireless client to connect securely to the internet.



Scan to Verify

*Lynn Bloomer*

Lynn Bloomer  
Director, Cisco Networking Academy

Issued on: Feb 09, 2025

KSCF

Acts 2:32

KSCF

KSCF

# KENYA STUDENT CHRISTIAN FELLOWSHIP

## CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT

PASCAL OCHIENG

OF

SIGER SECONDARY SCHOOL

*Attended and successfully completed peer to peer counselors training of Christian Union leaders held on 28th January 2018 at*

*Ramba boys high school*

CHAIRMAN

SIAYA COUNTY

KSCF

KSCF

SECRETARY

SIAYA COUNTY

KSCF



DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY ALUMNI ASSOCIATION

# CERTIFICATE OF

  
*Leadership*

This Certificate is proudly awarded to

## PASCAL OCHIENG

In recognition of your exceptional leadership, unwavering commitment, and the positive impact you've made as a Class Representative. Your dedication has been instrumental in fostering unity, promoting academic excellence, and enhancing the overall student experience.

15<sup>th</sup> MAY 2025

DATE OF ISSUE

A purple ink signature of a person's name.

CHAIRPERSON,  
ALUMNI ASSOCIATION.

BLESSED IRENE STEFANI DEKUT CATHOLIC COMMUNITY

CHAPLAINCY

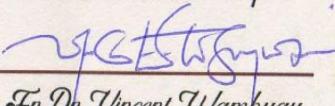
# CERTIFICATE OF APPRECIATION



Proudly Presented To

*Pascal Ochieng'*

*For having served in the 2024/2025 Electoral  
commission of DeKUT Catholic students as  
The Chairperson*  
*Thank you for your unwavering dedication and faithful  
service to God and His People*

  
Rev. Fr. Dr. Vincent Wambugu,  
Chaplain



BLESSED IRENE STEFANI DEKUT CATHOLIC COMMUNITY

CHAPLAINCY

# CERTIFICATE OF APPRECIATION

Proudly Presented To

*Pascal Ochieng'*

For having served in the 2023/2024 Leadership as the  
COORDINATOR ST. JOSEPH ASSOCIATION  
SCHOOL OF ENGINEERING CATHOLIC STUDENTS  
Thank you for your unwavering dedication and faithful  
service to God and His People

*Vincent Wambu*  
Rev. Fr. Dr. Vincent Wambu  
Chaplain

BLESSED IRENE STEFANI DEDAN KIMATHI  
UNIVERSITY OF TECHNOLOGY CATHOLIC CHAPLAINCY



# Certificate of Leadership

THIS CERTIFICATE IS AWARDED TO:

**Pascal Ochieng'**

For having served as St. Joseph Small Christian Community Treasurer

2021/2022.

We appreciate you for your excellent and outstanding service for the Chaplaincy.

*[Signature]*  
Mr. Richard Gatembo

**PATRON**

*[Signature]*  
Rev., Fr., Dr. Vincent Wambugu

**CHAPLAIN**

*[Signature]*  
Prof. Jennifer W. Khamasi

**MATRON**

Date: 24<sup>th</sup> July, 2022

JAMHURI YA KENYA

REPUBLIC OF KENYA

SERIAL NUMBER : 703512773

ID NUMBER : 36435455

FULL NAMES

PASCAL OCHIENG



DATE OF BIRTH  
19. 03. 1999

SEX  
MALE

DISTRICT OF BIRTH  
RARIEDA

PLACE OF ISSUE

HDM NYERI

DATE OF ISSUE

11. 03. 2022

HOLDER'S SIGN.



DISTRICT

RARIEDA

DIVISION

RARIEDA

LOCATION

WEST ASEMO

SUB-LOCATION

SIGER



PRINCIPAL REGISTRAR'S SIGN.

T0351841094

IDKYA7035127735<<4161<<<<1912  
9903193M2203115<B036435455J<<9  
PASCAL<OCHIENG<<<<<<<<<<