

-----Personal Information:

Name : Benard Kamau Ng'ang'a
Date of Birth : 23rd Oct 1994
Nationality : Kenyan
Gender : Male
Telephone Number : +254 705674666
Address : 37682-00100, Kenya
E-mail Address : bnganga2016@gmail.com

Personal Objective:

To utilize the skills, knowledge and experience that I have gained and I will gain during my working period to enhance more value to relaying and promotion of business organization and at the same time employing the peak professional standards, integrity and expertise while undertaking my duties and responsibilities.

Profile summary

I am a recent Chemical Engineering graduate from the Technical University of Kenya, class of 2019. I am remarkably well organized, dynamic and resourceful individual with a concrete academic background in;

- **Water and waste treatment-** Handling of wastewater to make it suitable to either be recycled into water system or to be disposed off in an environmental conscious manner.
- **Environmental resources and energy management-** Devising manufacturing processes that requires less energy which are environmentally safe and eliminate as much as possible any energy loss and environmental pollution.
- **Material handling-** Material movement, protection, storage and control of the materials and products throughout manufacturing.
- **Process design and analysis-** Breaking down of product into parts making it further helpful in the actual manufacturing process.
- **Plant design and operations-** Design and troubleshoot processes for the production of chemicals, fuels, foods, pharmaceuticals and biological.
- **Chemical reaction engineering and process economics-** In the large scale manufacturing plants to maximize productivity and product quality while minimizing cost.

Professional Skills.

- Maths and science skills.
- Good problem-solving and analytical skills.
- Communications skills, team working and self-learning.
- Basic skills in computer application packages namely; Microsoft word, excel, power point access and internet.
- Planning and organizational ability.
- Ability to manage projects, budgets and people.

Working Experience

Institution : Norwegian Refugee Council (NRC)
Duration : August 2020
Position : Casual Data Enumerator

- I. Seeking out respondents who fits suggested profile in the assigned locations and collect data based on questionnaire developed and supplied by NRC program.

Institution : Kenya National Bureau of Statistics (KNBS)
Duration : August 2019
Position : Enumerator

Roles & Responsibilities

- i. Enumeration during the national 2019 census.
- ii. Enumerate the houseless population on the designated days.
- iii. Serial number of household is to be assigned for each newly found household.
- iv. Visit each and every house without exception and have the information entered in the handheld Device correctly and completely.

Company : Kenya Pipeline Company Limited, Nakuru (KPC)
Duration : January –April 2019
Position : Attaché Quality Control department

Roles & Responsibilities

- i. MSP-Tests like distillation, density and colour.
- ii. AGO&IK-Tests like, distillation density and flashpoints.
- iii. Raising certificates for each product.
- iv. Retaining sample for each product.
- v. Release pumps over for each product.
- vi. Contamination check-ups for each product.
- vii. Incoming product testing-interface handling (advice, monitoring and analysis of data).
- viii. Slop handling and re-injection.
- ix. End month stock-taking densities.
- x. Record keeping.
- xi. Housekeeping

Institution : Independent Electoral and Boundaries Commission (IEBC)

Duration : August 2017- October 2017
Position : Clerk

Roles & Responsibilities

- I. Checking in and processing voters.
- II. Distributing ballots to registered voters.
- III. Providing instructions and assistance to voters.
- IV. Answering voters' questions.
- V. Explaining the use of the voting equipment (kiems kit)
- VI. Obtaining results after the polls are closed and closing the polling place.

Educational Background

School : The Technical University of Kenya
Course : Bachelor of Engineering, Chemical Engineering.
Second Class Honors (Upper Division)
Duration : 2013-2019

School : Elburgon Secondary School
Course : Kenya Certificate Of Secondary Education (KCSE)
B+, 73/84 Points
Duration : 2008-2012

School : St Peters Boys Primary School
Course : Kenya Certificate of Primary Education
314/500 Marks
Duration : 2000-2007

Hobbies

- Reading newspapers & news blogs
- Reading novels and creative blogs
- Travelling and adventure
- Charity and social work.

Referees:

DR. BILHA NKALA

HEAD OF DEPARTMENT

CHEMICAL & PETROLEUM ENGINEERING

THE TECHNICAL UNIVERSITY OF KENYA

E-mail: bilhankala@yahoo.com

Cell: 0718615724.

MR. JOSPHAT MACHARIA,

LOGISTICS ASSISTANT,

DEPARTMENT OF PROCUREMENT AND LOGISTICS.

NORWEGIAN REFUGEE COUNCIL.

E-mail: ngechu72@gmail.com.

Cell: 0723903089.

MR KENNETH KIPSANG,

ASSISTANT CHEMIST,

DEPARTMENT OF QUALITY CONTROL

KENYA PIPELINE COMPANY LIMITED, NAKURU DEPOT.

E-mail: Kenneth.kipsang@kpc.co.ke

Cell: 0721212759.



2020

CURRICULUM VITAE



THE TECHNICAL UNIVERSITY OF KENYA

This is to certify that

NG'ANG'A K BENARD

having satisfied the requirements for the
award of the degree of

BACHELOR OF ENGINEERING

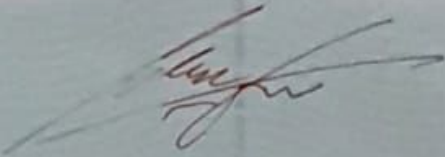
IN

CHEMICAL ENGINEERING

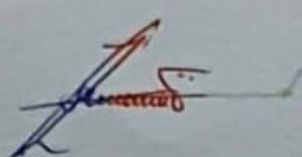
— B.Eng. —

SECOND CLASS HONOURS (UPPER DIVISION)

was admitted to the degree at a Congregation
held in NAIROBI,
on the twentieth day of December, in the year
2019


Vice-Chancellor




Deputy Vice-Chancellor
(Academics and Students Affairs)

BECHE 0003385



THE TECHNICAL UNIVERSITY OF KENYA

ACADEMIC TRANSCRIPT

Student Name: NG'ANG'A K BENARD

Faculty: ENGINEERING SCIENCES AND TECHNOLOGY

Year of Admission: 2013

Reg. Number: SSCQ/05124/2013S

Programme: BACHELOR OF ENGINEERING
CHEMICAL ENGINEERING

Academic Record for Year: ONE

COURSE CODE	COURSE DESCRIPTION	CONTACT HOURS	MARKS	GRADE
EEPQ1101	MATHEMATICS 1A	96		C
EEPQ1121	PHYSICS 1A	60		D
EEPQ1122	GENERAL CHEMISTRY	48		B
EEPQ1123	BIOLOGICAL SCIENCE	48		B
EEPQ1131	COMPUTER SCIENCE A	60		B
EEPQ1141	INTRODUCTION TO ENGINEERING	48		B
EEPQ1142	ENGINEERING DRAWING A	60		D
EEPQ1201	MATHEMATICS 1B	96		D
EEPQ1221	PHYSICS B	60		D
EEPQ1222	INORGANIC CHEMISTRY	48		C
EEPQ1223	EARTH SCIENCE	60		C
EEPQ1231B	COMPUTER SCIENCE	48		C
EEPQ1241	INTRODUCTION TO CHEMICAL ENGINEERING	48		A
EEPQ1242	ENGINEERING DRAWING	60		C
UCCC 1101	COMMUNICATION SKILLS	48		B
UCCC 1102	CRITICAL & CREATIVE THINKING	48		C
UCCC 1201	HEALTH EDUCATION	48		B
UCCC1202	SOCIETY AND CULTURE	48		B

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Recommendation(s) **PASS: PROCEED TO YEAR 2**
 Issued without smudges on behalf of the Academic Registrar

Date: **30/01/2020**

Signature:

Classification of Certificate / Diploma

Distinction: 70% to 100%
 Credit (Upper Division): 60% to 69%
 Credit (Lower Division): 50% to 59%
 Pass: 40% to 49%

Classification of Degree

First Class Honours: 70% to 100%
 Second Class Honours (Upper Division): 60% to 69%
 Second Class Honours (Lower Division): 50% to 59%
 Pass: 40% to 49%

Grading of Marks

70% to 100% A
 60% to 69% B
 50% to 59% C
 40% to 49% D
 39% and below FAIL
 * Supplementary
 ** Retake



Academic Record for Year: TWO

SENIOR ASSISTANT REGISTRAR
(EXAMINATION & CERTIFICATION)
THE TECHNICAL UNIVERSITY OF KENYA

Issued without smudges on behalf of the Academic Registrar

Signature:

- Retake



THE TECHNICAL UNIVERSITY OF KENYA

ACADEMIC TRANSCRIPT

Student Name: NG'ANG'A K BENARD

Faculty: ENGINEERING AND THE BUILT ENVIRONMENT

Year of Admission: 2013

Reg. Number: SSCQ/05124/2013S

Programme: BACHELOR OF ENGINEERING
CHEMICAL ENGINEERING

Academic Record for Year: THREE

COURSE CODE	COURSE DESCRIPTION	CONTACT HOURS	MARKS	GRADE
*EEPQ3142	CHEMICAL ENGINEERING THERMODYNAMICS I	48		D
EEPQ3101	PARTIAL DIFFERENTIAL EQUATIONS	48		D
EEPQ3121	PHYSICAL CHEMISTRY	48		B
EEPQ3141	CHEMICAL PROCESS REACTOR ENGINEERING I	48		C
EEPQ3143	FLUID MECHANICS II	48		D
EEPQ3144	HEAT TRANSFER	48		B
EEPQ3145	ENGINEERING MATERIALS AND METALLURGY	48		C
EEPQ3146	INDUSTRIAL CHEMICAL PROCESSES IA	48		B
EEPQ3147	ENGINEERING THERMODYNAMICS II	48		D
EEPQ3201	PROBABILITY AND STATISTICS	48		C
EEPQ3221	SURFACE AND COLLOID CHEMISTRY	48		B
EEPQ3222	MICROBIOLOGY	48		D
EEPQ3241	CHEMICAL PROCESS REACTOR ENGINEERING II	48		C
EEPQ3242	ELECTRONIC ENGINEERING PRINCIPLES	96		C
EEPQ3243	FLUID MECHANICS III	48		C
EEPQ3244	MASS SEPARATION PROCESSES I	48		B
EEPQ3245	INDUSTRIAL CHEMICAL PROCESSES IB	48		B
EEPQ3246	CHEMICAL ENGINEERING THERMODYNAMICS II	48		D
EEPQ3341	INDUSTRY BASED LEARNING I	384		B

SENIOR ASSISTANT REGISTRAR
(EXAMINATION & CERTIFICATION)
THE TECHNICAL UNIVERSITY OF KENYA

Recommendation(s) **PASS: PROCEED TO YEAR 4**

Issued without smudges on behalf of the Academic Registrar

Date: 10/09/2020

Signature:

Classification of Certificate / Diploma

Distinction:	70% to 100%
Credit (Upper Division):	60% to 69%
Credit (Lower Division):	50% to 59%
Pass:	40% to 49%

Classification of Degree

First Class Honours:	70% to 100%
Second Class Honours (Upper Division):	60% to 69%
Second Class Honours (Lower Division):	50% to 59%
Pass:	40% to 49%

Grading of Marks

70% to 100%	A
60% to 69%	B
50% to 59%	C
40% to 49%	D
39% and below	FAIL
* Supplementary	
** Retake	



THE TECHNICAL UNIVERSITY OF KENYA

ACADEMIC TRANSCRIPT

Student Name: NG'ANG'A K BENARD

Faculty: ENGINEERING SCIENCES AND TECHNOLOGY

Year of Admission: 2013

Reg. Number: SSCQ/05124/2013S

Programme: BACHELOR OF ENGINEERING
CHEMICAL ENGINEERING

Academic Record for Year: FOUR

COURSE CODE	COURSE DESCRIPTION	CONTACT HOURS	MARKS	GRADE
EEPQ4101	LINEAR ALGEBRA	48		A
EEPQ4140	MASS SEPARATION PROCESSES II	48		D
EEPQ4141	PROCESS CONTROL SYSTEMS ENGINEERING I	48		D
EEPQ4142	INDUSTRIAL CHEMICAL PROCESSES IIA	48		B
EEPQ4143	CHEMICAL ENGINEERING DESIGN I	48		B
EEPQ4144	SAFETY AND RISK ENGINEERING	48		C
EEPQ4145	CHEMICAL PROCESS SIMULATION	48		B
EEPQ4146	ENGINEERING ECONOMICS I	48		C
EEPQ4201	NUMERICAL METHODS	48		B
EEPQ4240	PROCESS CONTROL SYSTEMS ENGINEERING II	48		C
EEPQ4241	PROCESS MEASUREMENT AND INSTRUMENTATION	48		D
EEPQ4242	CHEMICAL ENGINEERING DESIGN II	48		D
EEPQ4243	INDUSTRIAL CHEMICAL PROCESSES IIB	48		B
EEPQ4244	CHEMICAL PROCESS OPTIMIZATION	48		D
EEPQ4245	ENGINEERING ECONOMICS II	48		B
EEPQ4281	RESEARCH METHODS	48		B
EEPQ4341	INDUSTRY BASED LEARNING II	384		B

SENIOR ASSISTANT REGISTRAR
(EXAMINATION & CERTIFICATION)
THE TECHNICAL UNIVERSITY OF KENYA

Recommendation(s) **PASS: PROCEED TO YEAR 5**
Issued without smudges on behalf of the Academic Registrar

Date: 30/01/2020

Signature:

Classification of Certificate / Diploma

Distinction	70% to 100%
Credit (Upper Division)	60% to 69%
Credit (Lower Division)	50% to 59%
Pass	40% to 49%

Classification of Degree

First Class Honours	70% to 100%
Second Class Honours (Upper Division)	60% to 69%
Second Class Honours (Lower Division)	50% to 59%
Pass	40% to 49%

Grading of Marks

70% to 100%	A
60% to 69%	B
50% to 59%	C
40% to 49%	D
39% and below	Fail

* Supplementary

** Retake



Year of Admission:2013

Academic Record for Year: FOUR

SENIOR ASSISTANT REGISTRAR
(EXAMINATION & CERTIFICATION)
THE TECHNICAL UNIVERSITY OF KENYA

70% to 100%	A
60% to 69%	B
50% to 59%	C
40% to 49%	D
39% and below	FAIL
* Supplementary	
** Retake	



THE TECHNICAL UNIVERSITY OF KENYA

ACADEMIC TRANSCRIPT

Student Name: NG'ANG'A K BENARD

Faculty: ENGINEERING SCIENCES AND TECHNOLOGY

Year of Admission: 2013

Reg. Number: SSCQ/05124/2013S

Programme: BACHELOR OF ENGINEERING
CHEMICAL ENGINEERING
(ENERGY AND ENVIRONMENT)

Academic Record for Year: Five(Final)

COURSE CODE	COURSE DESCRIPTION	CONTACT HOURS	MARKS	GRADE
EEPQS141	CHEMICAL ENGINEERING DESIGN PROJECT I	96		D
EEPQS142	INDUSTRIAL ORGANIZATION AND MANAGEMENT I	48		A
EEPQS143	INDUSTRIAL POLLUTION AND CONTROL I	48		B
EEPQS144	CLEANER PRODUCTION	48		A
EEPQS145	QUALITY MANAGEMENT	48		A
EEPQS161	BIOENERGY TECHNOLOGIES	48		B
EEPQS162	ENERGY MANAGEMENT	48		D
EEPQS241	CHEMICAL ENGINEERING DESIGN PROJECT II	96		A
EEPQS242	INDUSTRIAL ORGANIZATION AND MANAGEMENT II	48		B
EEPQS243	INDUSTRIAL POLLUTION AND CONTROL II	48		B
EEPQS244	LAW FOR ENGINEERS	48		B
EEPQS245	ENVIRONMENTAL IMPACT ASSESSMENT AND AUDIT	48		B
EEPQS261	COAL CONVERSION TECHNOLOGIES	48		A
EEPQS262	PETROLEUM TECHNOLOGY	48		D
EEPQS341	INDUSTRY BASED LEARNING III	384		A

SENIOR ASSISTANT REGISTRAR
(EXAMINATION & CERTIFICATION)
THE TECHNICAL UNIVERSITY OF KENYA

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 named below.



(SUPPLEMENTARY)

THE CANDIDATE ATTAINED THE GRADE SHOWN IN THE SUBJECTS NAMED

NAME NG'ANG'A K BENARD
SCHOOL ELBURGON SECONDARY SCHOOL

M2 27538102/134

GRADE

101	ENGLISH	B+ (PLUS)
102	KISWAHILI	B+ (PLUS)
121	MATHEMATICS	A (PLAIN)
232	PHYSICS	B (PLAIN)
233	CHEMISTRY	B+ (PLUS)
311	HISTORY AND GOVERNMENT	A- (MINUS)
313	CHRISTIAN RELIGIOUS EDUCATION	B (PLAIN)
565	BUSINESS STUDIES	A- (MINUS)

SUBJECTS NAMED EIGHT

MEAN GRADE B+ (PLUS)

EXAMINATION OF NOVEMBER/DECEMBER 2012

PRINTED : 130924 : 051220

Secretary

Kenya National Examinations Council

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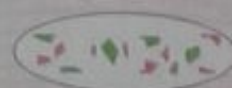
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Chairman

Kenya National Examinations Council

KCSE /12 0229763



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