

201613187



# UNIVERSITY OF NAMIBIA

It is hereby certified that

**JURGEN TJIRATJIZA VIAKONDO**  
(Identity Number 97100100399)

having complied with the requirements of the University of Namibia Act and Statutes, and having completed a four-year degree training programme, was awarded the

## DEGREE

of

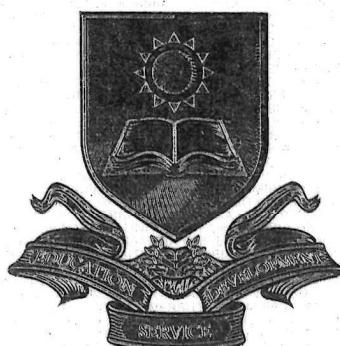
**BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING HONOURS**  
(Lower Second)

at a congregation of the University on 31st May 2022.

  
Vice-Chancellor



Ongwediva

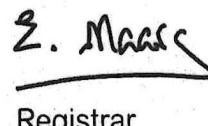


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been previously issued.

Signature: 

  
Executive Dean  
Faculty of Agriculture,  
Engineering & Natural Sciences

  
Z. Maass  
Registrar

The qualifications awarded by UNAM are classified as follows:

| <b>Grade</b> | <b>Interpretation</b> | <b>Mean % Score</b> | <b>Degree Classification</b> |
|--------------|-----------------------|---------------------|------------------------------|
| A            | Distinction           | 80 and above        | First Class                  |
| B            | Very Good             | 70 - 79             | Upper Second                 |
| C            | Good                  | 60 - 69             | Lower Second                 |
| D            | Satisfactory          | 50 - 59             | Pass                         |

This is a secure document using special paper and ink. Hold up to the light to verify the  watermark and "GENUINE" thread.



Inspiring minds & shaping the future

ACADEMIC RECORD/TRANSCRIPT

Surname & Name : VIAKONDO JURGEN TJIRATJIZA  
Student Number : 201613187  
Identity Number : 97100100399  
Date of Birth : 01-OCT-1997

Academic Year : 2016  
Qualification : PRE-ENGINEERING

CHM3511 CHEMISTRY 1A  
EGT3521 FUNDAMENTALS OF ENGINEERING  
LCE3419 ENGLISH COMMUNICATION & STUDY SKILLS  
PHY3511 PHYSICS FOR PHYSICAL SCIENCE I  
CLC3509 COMPUTER LITERACY  
CSI3580 CONTEMPORARY SOCIAL ISSUES  
MAT3520 ANALYTIC GEOMETRY A  
MAT3540 MATRICES & COMPLEX NUMBERS A  
MAT3580 BASIC MATHEMATICS A  
CHM3512 CHEMISTRY 1B  
LEA3519 ENGLISH FOR ACADEMIC PURPOSES  
PHY3512 PHYSICS FOR PHYSICAL SCIENCE II  
STS3522 INTRODUCTION TO STATISTICS

53 D - SATISFACTORY  
44 E - FAIL  
62 C - GOOD  
60 C - GOOD  
62 C - GOOD  
76 B - VERY GOOD  
77 B - VERY GOOD  
83 A - DISTINCTION  
75 B - VERY GOOD  
58 D - SATISFACTORY  
70 B - VERY GOOD  
60 C - GOOD  
63 C - GOOD

Annual results for 2016 - PASS

Academic Year : 2017  
Qualification : PRE-ENGINEERING

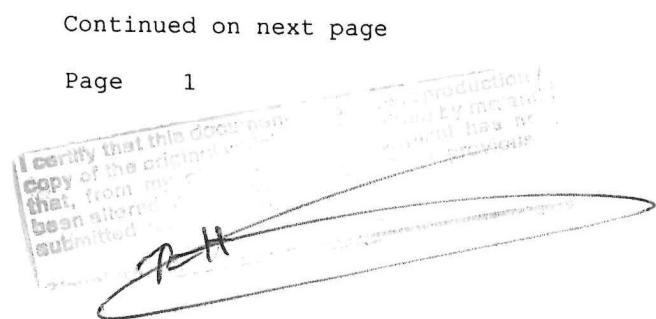
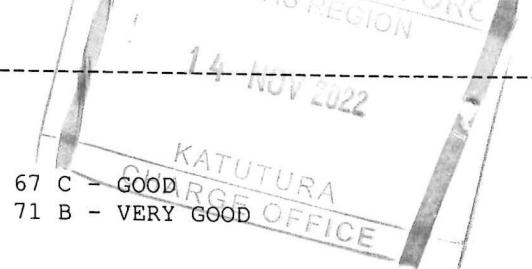
EGT3521 FUNDAMENTALS OF ENGINEERING  
MAT3570 PRE-CALCULUS A

Annual results for 2017 - PASS FIRST YEAR

Academic Year : 2018  
Qualification : B.Sc IN ELECTRICAL ENGINEERING (HONOURS)

CME3521 COMPUTING FUNDAMENTALS  
EGM3591 ENGINEERING MATHEMATICS I  
EGS3591 MATERIALS SCIENCE  
EGT3521 FUNDAMENTALS OF ENGINEERING  
EGT3561 ENGINEERING DRAWING  
EGW3590 WORKSHOP PRACTICE  
EGM3592 ENGINEERING MATHEMATICS II

76 B - VERY GOOD  
58 D - SATISFACTORY  
67 C - GOOD  
CREDIT  
73 B - VERY GOOD  
70 B - VERY GOOD  
71 B - VERY GOOD



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ACADEMIC RECORD/TRANSCRIPT

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|  |                    |
|--|--------------------|
| EGT3542 FUNDAMENTALS OF ELECTRICAL ENGINEERING | 89 A - DISTINCTION |
| EGT3592 ENGINEERING MECHANICS I                | 70 B - VERY GOOD   |

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Annual results for 2018 - PASS FIRST YEAR

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Academic Year : 2019  
 Qualification : B.Sc IN ELECTRICAL ENGINEERING (HONOURS)

|  |                     |
|--|---------------------|
| CME3621 COMPUTER SCIENCE FOR ENGINEERS   | 75 B - VERY GOOD    |
| ECE3691 ELECTRIC CIRCUIT ANALYSIS I      | 71 B - VERY GOOD    |
| EGS3661 STATISTICS FOR ENGINEERS         | 61 C - GOOD         |
| EGT3641 ENGINEERING MECHANICS II         | 56 D - SATISFACTORY |
| EGT3661 COMPUTER AIDED DRAWING           | 80 A - DISTINCTION  |
| EGT3671 ENGINEERING MATHEMATICS III      | 69 C - GOOD         |
| ETE3691 ANALOGUE ELECTRONICS I           | 65 C - GOOD         |
| CMS3692 COMPUTER PROGRAMMING             | 80 A - DISTINCTION  |
| ECP3622 ELECTRICAL MACHINES              | 68 C - GOOD         |
| EGT3600 INDUSTRIAL ATTACHMENT I          | 69 C - GOOD         |
| EGT3602 HIV AND AIDS EDUCATION           | 85 A - DISTINCTION  |
| EGT3672 ENGINEERING MATHEMATICS IV       | 72 B - VERY GOOD    |
| ETA3622 MEASUREMENTS AND INSTRUMENTATION | 69 C - GOOD         |
| ETD3692 DIGITAL ELECTRONICS              | 70 B - VERY GOOD    |
| TCE3622 APPLIED ELECTROMAGNETICS         | 69 C - GOOD         |
| TCE3692 SIGNAL AND SYSTEMS               | 59 D - SATISFACTORY |

Annual results for 2019 - PASS SECOND YEAR

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Academic Year : 2020  
 Qualification : B.Sc IN ELECTRICAL ENGINEERING (HONOURS)

|   |                    |
|---|--------------------|
| ECC3791 POWER ELECTRONICS                       | 64 C - GOOD        |
| ECE3711 ELECTRICAL MACHINES ANALYSIS AND DESIGN | 72 B - VERY GOOD   |
| ECE3731 FUNDAMENTALS OF POWER SYSTEMS           | 82 A - DISTINCTION |
| ECE3791 ELECTRIC CIRCUIT ANALYSIS II            | 73 B - VERY GOOD   |
| EGT3761 FUNDAMENTALS OF ECONOMICS               | 83 A - DISTINCTION |
| EGR3760 EXPERIMENTAL AND RESEARCH METHODS       | 69 C - GOOD        |
| CMH3722 COMPUTER NETWORKS                       | 76 B - VERY GOOD   |

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ACADEMIC RECORD/TRANSCRIPT

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|   |                    |
|---|--------------------|
| ECC3792 RENEWABLE ENERGY TECHNOLOGIES   | 60 C - GOOD        |
| ECE3762 ELECTRICAL ENGINEERING DESIGN   | 87 A - DISTINCTION |
| ECP3792 HIGH VOLTAGE ENGINEERING        | 61 C - GOOD        |
| ECT3792 POWER TRANSMISSION DISTRIBUTION | 66 C - GOOD        |
| EGT3700 INDUSTRIAL ATTACHMENT II        | 77 B - VERY GOOD   |
| EGT3742 ENTREPRENEURSHIP                | 70 B - VERY GOOD   |

Annual results for 2020 - PASS THIRD YEAR

Academic Year : 2021  
 Qualification : B.Sc IN ELECTRICAL ENGINEERING (HONOURS)

|   |                                 |
|---|---------------------------------|
| ECE3891 COMPUTATION METHODS IN POWER ENGINEERING    | 64 FACULTY FAIL: SUPPL. ALLOWED |
| ECP3831 POWER SYSTEMS PROTECTION                    | 70 B - VERY GOOD                |
| ECP3851 MICROPROCESSOR & PROGRAMMABLE LOGIC CONTROL | 58 D - SATISFACTORY             |
| ECP3891 CONTROL ENGINEERING                         | 65 C - GOOD                     |
| EGM3881 PROJECT MANAGEMENT                          | 71 B - VERY GOOD                |
| EGT3821 SOCIETY AND THE ENGINEER                    | 61 C - GOOD                     |
| ECE3891 COMPUTATION METHODS IN POWER ENGINEERING    | 50 PASS SUPPL. EXAM             |
| ECD3890 ELECTRICAL DESIGN PROJECT                   | 68 C - GOOD                     |
| ECR3892 RESEARCH PROJECT                            | 72 B - VERY GOOD                |
| EGT3800 INDUSTRIAL ATTACHMENT III                   | 70 B - VERY GOOD                |

Annual results for 2021 - OBTAIN DEGREE: LOWER SECOND

This student qualified for  
 B.Sc IN ELECTRICAL ENGINEERING (HONOURS)  
 on 03 MARCH 2022 and it will be formally awarded on 13 APRIL 2022.

I hereby declare that  
 VIAKONDO JURGEN TJIRATJIZA  
 was a registered student at this university during the above mentioned  
 years and that his / her conduct was satisfactory.

18-MAR-2022

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ACADEMIC RECORD/TRANSCRIPT

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Surname & Name : VIAKONDO JURGEN TJIRATJIZA  
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| University of Namibia Grading Scale |                |               |
|-------------------------------------|----------------|---------------|
| Grade                               | Interpretation | % Equivalence |
| A                                   | Distinction    | 80 and above  |
| B                                   | Very Good      | 70 - 79       |
| C                                   | Good           | 60 - 69       |
| D                                   | Satisfactory   | 50 - 59       |
| E                                   | Fail           | 49 and below  |

