

APPLICATION FOR ENGINEERING SURVEYING IN-SERVICE TRAINING/EXPERIENTIAL LEARNING.

Dear Sir/Madam

As a highly motivated and dedicated student with strong communication and interpersonal skills, I would like to apply for the position of Surveying In-service Training.

As a student I have been extensively involved in surveying academic practical trainings in various Surveying modules gaining experience of using different Surveying equipment like Total Station, Dumpy Level, GPS and Software like ArcMap and AutoCAD. My involvement in those practical lessons have allowed me to gain a better introductory experience as a surveying student ready to enter the working industry.

These experiences allowed me to develop various skills for a surveyor such as general surveying skills, field work Planning(reconnaissance), instrument operation, Precise and accurate measurements observation skills which I see as being very important when seeking an opportunity to enter Surveying industry for experiential learning.

Personal attribute that I believe make me suitable for this position include:

- **Motivation:** Having a very strong passion for surveying and geomatics related works demonstrate high motivation.
- **Teamwork and Communication:** Being involved in surveying student practical camps with teamwork with other students for different projects have helped me learn how to cope with different people as a team and work under pressure.

My lectures have commended me for my willingness to take part and my dedication to being involved in any Geomatics related organisation and helping out where possible. I enjoy working with others and believe that my strong communication and teamwork skills will ensure that I can meet expectations of this role.

I believe that I have a lot to offer and full self-dedication to your company. I am keen to develop my surveying professional skills and look forward to discussing my application with you at an interview. I have enclosed a copy of my resume for your consideration. I can be contacted at all times on the details provided on my resume.

Thanking you in advance for your time.

Yours sincerely

Mampa ML

CV OF
MAASHILE
LAZARUS
MAMPA

CELL: 066 023 0172

EMAIL: Lazig93@gmail.com

PERSONAL DETAILS

SURNAME : MAMPA
FIRST NAMES : MAASHILE LAZARUS
KNOWN NAME : SELLO
DATE OF BIRTH : 1993/12/20
NATIONALITY : SOUTH AFRICAN
ID NUMBER : 9312205725088
GENDER : MALE
HOME LANGUAGE : SEPEDI
OTHER LANGUAGE : ENGLISH, AFRIKAANS, TSWANA, ZULU
HEALTH STATUS : EXCELLENT
MARITAL STATUS : SINGLE
HOBBIES : READING, RESEARCHING, TRAVELLING

CONTACT DETAILS

CELL NUMBER : 066 023 0172
EMAILADDRESS : Lazig93@gmail.com
RESIDENTIAL ADDRESS : 53 Mafefe malakabaneng
Mafefe
POSTAL ADDRESS : P O Box 512, MAFEFE 0738

EDUCATIONAL DETAILS

NAME OF SCHOOL : KGALEMA SENIOR SECONDARY SCHOOL
HIGHEST GRADE PASSED : GRADE 12(Admission to bachelor's degree)
SUBJECTS : SEPEDI, ENGLISH, MATHEMATICS, LIFE SCIENCES, GEOGRAPHY,
LIFE ORINTATION, PHYSICAL SCIENCE
YEAR : 2011

TERTIARY DETAILS

NAME OF INSTITUTION : TSHWANE UNIVERSITY OF TECHNOLOGY (currently)
COURSE : N DIP SURVEYING
LEVEL OF STUDY : SEMESTER FOUR (S4)

SURVEYING STUDENT FIELD PRACTICALS EXPERIENCE

MODULE : SURVEYING PRACTICAL (1st & 2ND SEMESTER)
DURATION : TWO WEEKS
VENUE : HARTBESPOORT TOOPIESHOCK TUT TRAINING FACILITY

DUTIES AND RESPONSIBILITIES

Setting up and levelling of the level and theodolite. Taking levelling readings and compiling the field book, testing and adjusting the different levelling instruments, testing and adjusting the theodolite, distance measurement with a tape, individual levelling line of at least 600 m and testing it, levelling of longitudinal section of at least 300 m and the transverse sections at every 20 m interval in group context. Individual traverse with at least three legs. Calculation and correction of traverse, topographic surveying of demarcated area. Drawing a plan and interpreting the contours.

Determining points for staking out roads by means of a traverse, identifying and output of a defined suggested centre line for constructing a road that includes a simple curve. Calculation and placing of geometrical data. Calculation and setting out of the centre line at 20 m intervals for the straight line, as well as the curve. Levelling and check levelling of the longitudinal and cross sections. Drawing of L/S and x sections, calculation and setting out of profile and site slope pegs according to formation line on L/S, with consideration of underground drainage. Calculation and setting out of drainage pipe underneath road.

SURVEYING STUDENT PRACTICALS: CONTROL SURVEYING: PROJECT III(1 WEEK)

DUTIES AND RESPOSIBILITIES

Instrument checks and adjustments. Observation reductions for distances. Random and systematic errors: slope, ppm, mean sea level, projection, zero error, least squares. Observation reduction for directions: RO, t-T. Observation techniques: eccentric observations, forced centering. Accuracy and fast traversing conditions, trigonometric heighting. Engineering geomatics techniques: setting out of horizontal circular, transition compound and reverse curves and vertical curves

Compilation and plotting of grids and gratitudes, topographic plans, plotting, scales, symbols. The production of longitudinal cross sections and mass haul diagrams

SKILLS, INTERESTS AND ACHIEVEMENTS

SKILLS

- IT & Computer Skills: Proficient computer user and programmer, competent in web design using HTML and Surveying Computation program design using Visual Basic. Proficient in all major Microsoft office applications including complex formulae in excel.
- Leadership and Teamwork Skills: developed through volunteering as Matric Learners Maths & Science Tutor at Kgalema senior secondary school.
- Using Total Station, GPS and Dumpy Level for Observation of Surveying Measurements
- Using AutoCAD software for Drawing
- Using ArcMap and QGIS for Mapping

INTERESTS

- Travelling and Hiking
- Reading business books, Music and Writing

ACHIEVEMENTS

- BEST CLASS OF 2011 MATRICULANT IN MATHEMATICS AT KGAMEMA SENIOR SECONDARY SCHOOL
- BEST CLASS OF 2011 MATRICULANT IN MATHEMATICS AT KGAMEMA SENIOR SECONDARY SCHOOL
- BEST CLASS OF 2011 MATRICULANT IN MATHEMATICS AT KGAMEMA SENIOR SECONDARY SCHOOL

REFERENCE

<i>CONTACT PERSON</i>	<i>OCCUPATION</i>	<i>CONTACT No.</i>	<i>EMAIL</i>
Mrs Antoinette Viljoen	Tshwane University of Technology Geomatics Department Administrator	012 382 5211	ViljoenA@tut.ac.za
MS P Rambally	Senior Lecture : Surveying Theory III, Cadastral Surveying III	0726222632 012 382 4435	p_ramb@yahoo.com ramballyp@tut.ac.za

	and Precise Surveying III Tshwane University Of Technology Geomatics Department		
MR KM Mampa(Brother)	Safety Representative at Sebushi Somo Construction And Projects	071 4995 472 062 2686 579	<u>kgodishetjomampa@gmail.com/</u> <u>mampam@yahoo.com</u>



Tshwane University of Technology

We are open for you!

Issuing Institution : Tshwane University of Technology PRODI41

Name : MAMPA MASHILE LAZARUS

Student Number : 212044199

Identity Number : 9312205725088

Date of Birth : 20-DEC-1993

Year : 2017 NATIONAL DIPLOMA: SURVEYING

FIRST SEMESTER (JAN-JUN)

COMMUNICATION SKILLS I

COMPUTER SKILLS I

DRAWING I

GEOGRAPHY I

MATHEMATICS I

PHYSICS ID

SURVEYING: THEORY I

SURVEYING: PRACTICAL I

SECOND SEMESTER (JUL-DEC)

MATHEMATICS II

MAP PROJECTIONS II

PHOTOGRAMMETRY II

STATISTICS I

SURVEY DRAWING II

SURVEYING: THEORY II

SURVEYING: PRACTICAL II

56 PASS
68 PASS
56 PASS
80 PASS WITH DISTINCTION
60 PASS
61 PASS
50 PASS
67 PASS

58 PASS
62 PASS
68 PASS
59 PASS
59 PASS
51 PASS
55 PASS

Year : 2018 NATIONAL DIPLOMA: SURVEYING

YEAR (JAN-DEC)

CONTROL SURVEYING: PROJECT III

FIRST SEMESTER (JAN-JUN)

ADJUSTMENT OF ERRORS III

CARTOGRAPHY III

COMPUTER APPLICATIONS III

MANAGEMENT: CIVIL I

STEREO MAPPING III

SURVEYING: THEORY III

SECOND SEMESTER (JUL-DEC)

CADASTRAL SURVEYING III

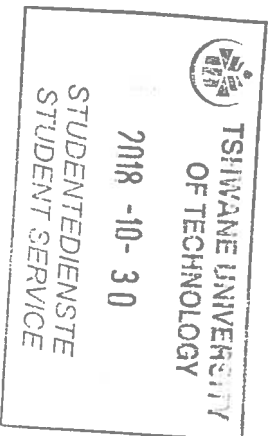
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54 PASS
55 PASS
58 PASS
62 PASS
50 PASS
70 PASS

NO RESULT

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Tshwane University of Technology

We empower people
Academic Script

Continued From Page 1

Issuing Institution : Tshwane University of Technology PRODI41

Name : MAMPA MAASHILE LAZARUS

Student Number : 212044199

Identity Number : 9312205725088

GEOGRAPHIC INFORMATION SYSTEMS III

PHOTOGRAMMETRY III

SURVEYING: PRECISE III

SURVEYING: GEOMETRIC III

Date of Birth : 20-DEC-1993

NO RESULT

NO RESULT

NO RESULT

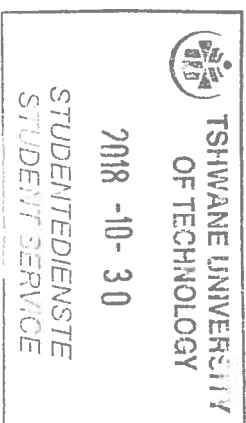
NO RESULT

I hereby declare that
MAMPA MAASHILE LAZARUS
was a registered student at this university during the above mentioned
years and that his / her conduct was satisfactory.


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SOUTH AFRICAN POLICE SERVICE
 PRETORIA CENTRAL
 2018-07-13
 VISIBLE POLICING
 SOUTH AFRICAN POLICE SERVICE


REPUBLIC OF SOUTH AFRICA
NATIONAL IDENTITY CARD

Surname: MAMPA
 Names: MAASHILE LAZARUS
 Sex: M
 Nationality: RSA
 Identity Number: 9312205725088
 Date of Birth: 20 DEC 1993
 Country of Birth: RSA
 Status: CITIZEN


 Signature: 

ASSIGNMENT OFFICER
 NAME IN DEPARTMENT: *Maashile Lazarus Mampa*
 ID NUMBER: *9312205725088*
 SIGNATURE: *Maashile Lazarus Mampa*
 RANG: *MAASHILE LAZARUS MAMPA*
 RANG: *MAASHILE LAZARUS MAMPA*
 RANG: *MAASHILE LAZARUS MAMPA*


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Faculty of Engineering and the Built Environment

Department of Geomatics

TO WHOM IT MAY CONCERN

EXPERIENTIAL LEARNING: NATIONAL DIPLOMA SURVEYING

NAME: MAMPA ML STUDENT NO: 212044199

The diploma course in Surveying consists of a total period of three years, two years of theoretical training at the Tshwane University of Technology and one year practical. If the student does not complete his/her experiential learning (practical), he/she cannot obtain his/her diploma.

It is preferable that the student completes one full year of experiential learning after the first year of theory (S1 & S2) at the University.

When the student registers for Experiential Learning (practical) he/she receives a Logbook via myTUTor that he/she has to keep up to date. There are also monthly reports that have to be completed by the student and the mentor (person responsible for the student's guidance) and sent to the Tshwane University of Technology. At the end of every semester the student has to hand in the completed logbook at the Tshwane University of Technology for evaluation. It is therefore essential that the student work under the guidance of a qualified Surveying. During this period the student and mentor will be visited at least once to monitor the student's progress.

Experiential Learning is regarded as a subject and the student has to register for it the same way as all the other subjects. The registration fees will be determined by the Registration Department and will be adjusted from time to time. It is important to know that the student has to register for the subject every semester. During this period the student is not allowed to register for fulltime courses that will require the student to attend lectures. The student is however allowed to register for only one subject. During this period the student and the mentor will be visited at least once to monitor his/her progress.

Attached is an example of the activities during a student's training period.

I hope the information is satisfactory. If there is anything else you would like to know, please contact me at the following numbers:

Regards,

Mrs. A VILJOEN

Departmental Administrator

Department of Geomatics

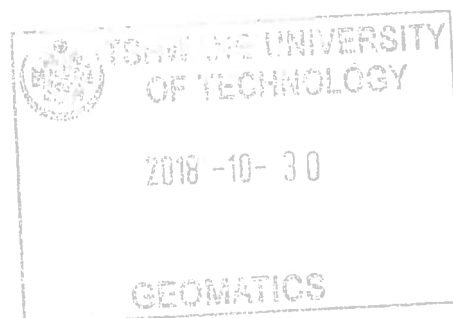
Faculty of Engineering and the Built Environment

Building 3 : 423, Pretoria Campus

Tel nr: +27 12 382 5232

Fax nr: +27 12 382 5214

E-mail: viljoena@tut.ac.za



We empower people



EXPERIENTIAL LEARNING P1

	TYPE OF SURVEY	WORKING DAYS
I	TRIANGULATION: By angular measurement; By distance measurement; By GPS, where applicable.	20
II	LEVELLING: Spirit levelling; Precise levelling; Trigonometric levelling; Heightening by GPS where applicable; Adjustment of a levelling network.	20
III	TRAVERSING: Using total stations or EDM equipment; Checked by GPS, if equipment available.	20
IV	COMPUTER DATA PROCESSING	10
V	PRECISE ENGINEERING SURVEYS	5
VI	PHOTOGRAMMETRIC FIELD WORK Annotation; Design and identification of photo control.	5
	TOTAL DAYS	80

EXPERIENTIAL LEARNING P2

	TYPE OF SURVEY	WORKING DAYS
I	TRIANGULATION: By angular measurement; By distance measurement; By GPS, where applicable.	20
II	LEVELLING: Spirit levelling; Precise levelling; Trigonometric levelling; Heightening by GPS where applicable; Adjustment of a levelling network.	20
III	TRAVERSING: Using total stations or EDM equipment; Checked by GPS, if equipment available.	20
IV	COMPUTER DATA PROCESSING	10
V	PRECISE ENGINEERING SURVEYS	5
VI	PHOTOGRAMMETRIC FIELD WORK Annotation; Design and identification of photo control.	5
	TOTAL DAYS	80

For more information please contact the Departmental WIL Co-ordinator MR NK NELUEMBENI at 012 382 5211 or NeluembeniNK@tut.ac.za