

NELSON MANDELA
UNIVERSITY



April 2021

Virtual Autumn Graduation

Session 3

**Faculty of Engineering, The Built
Environment and Technology**

26 APRIL 2021 | 09:30



VISION

To be a dynamic African university, recognised for its leadership in generating cutting-edge knowledge for a sustainable future

MISSION

To offer a diverse range of life-changing education experiences for a better world

VALUES

Excellence

Diversity

Ubuntu

Social justice and equality

Integrity

Environmental stewardship

Excellence

Diversity

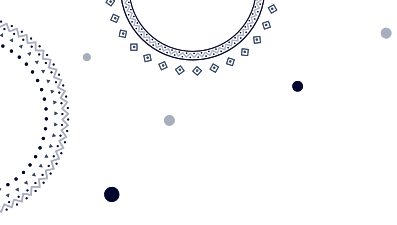
Ubuntu

Social justice
and equality

Integrity

Environmental
stewardship





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Congratulatory Message

Graduation is a significant milestone in anyone's life. It is the culmination of an academic journey that reflects your ambition, determination, commitment, perseverance and hard work. We know that this work is often not yours alone, as many have travelled with you - your friends, your lecturers, your supervisors, your mentors and your family. They have invested in you financially, encouraged you to persevere, guided your studies and above all, believed in your ability to succeed and achieve this graduation dream.

Today your joy is our joy too. Such a significant moment – your graduation day – must be celebrated for it not only

recognises all that you have achieved but also focuses on all the potential and possibilities to come. It offers us great hope for the future – for you are that future.

Sadly, we are unable to celebrate with you in person because of the COVID-19 pandemic that has transformed our lives – the way we work, study and live. It has changed the way we celebrate your graduation too. For safety reasons,

our Autumn 2021 Graduation season is being hosted virtually.

This should not stop you from marking this milestone occasion from the safety of your homes with your loved ones.

As a student who had to navigate your studies in unprecedented circumstances, we especially salute and applaud your achievement. It could not have been easy.

We wish you all the very best for your future endeavours wherever they may take you as a proud alumnus of Nelson Mandela University.

Never stop learning. Do not let your spark of curiosity die out, for education is not only your passport to the future – but also to the future hopes of our country, our continent and is indeed a foundation for a better world, as Nelson Mandela so eloquently put it:

“Education is the most powerful weapon which you can use to change the world.”

Congratulations!

Uthweso sidanga ngumsitho obaluleke kunene kwimpilo yomntu. Yinkcochoyi khambo lwemfundo enomsila echaza ukunxanwa kwakho, ukuzimisela, ukuzinikela, ukunyamezela kwanomsebenzi onzima. Siyayazi ukuba lo msebenzi, kumaxesha amaninzi, ayingowakho kuphela, nanjengoko uninzi luthwakhenketha nawe – abahlobo bakho, abahlohi bakho, abaphathi bakho, amakhankatha akho kwakunye nosapho lwakho. Babinze kuwe ngokwezimali, bakukhuthaza ukuba unyamezele, bakukhokela kwizifundo zakho, kwaye, kuyo yonke into, bakholelwa kumxakatho wakho wokuphumelela kwanokuzuzisa eli phupha lokuthweswa isidanga.

Namhlanje uchulumanco lwakho luchulumanco lwethu. Ilixa elibaluleke kunene – usuku lothweso sidanga – kufuneka lubhiyozelwe kuba aluqapheli nje kuphela konke othe wakuzuzisa kodwa likwagxila nakumandla kwanakumathuba azayo. Lisinika ithemba elikhulu kwikamva – kuba elo kamva nguwe.

Ngelishwa, asikwazi ukubhiyoza kwakunye nawe njengesiqu

Dr Geraldine Fraser-Moleketi
Chancellor

ngenxa yobhubhane weCOVID-19 othe watshintsha ubomi bethu – indlela esisebenza ngayo, esifunda kwakunye nesiphila ngayo. Lo bhubhane ukwatshintshe indlela esibhiyoza ngayo uthweso sidanga kwakunye nawe. Ngenxa yemiba yokhuseleko, ixesha lethu loThweso Sidanga laseKwindla ngo2021 liza kwenziwa ngezixhobo zobuxhakaxhaka (virtually).

Oku akufanelanga ukuba kukunqande ekuqapheleni lo msitho obaluleke kangaka, kukhuseleko lwamakhaya enu kwakunye nabo basondele kuni.

Njengomfundi oye waqhuba izifundo zakhe ngeendlela ebezingalindelekanga, sikothulela umnqwazi ngokukhethekileyo futhi sikuqhwabela izandla kokuzuzileyo. Akukhange kubelula.

Sikunqwenelela okuhle kodwa, kwiinzame zakho zekamva elizayo, naphi na apho ziza kuthatha zikuse khona njengobesakuba ngumfundi ozingcayo weYunivesithi iNelson Mandela.

Ungaze uyeke ukufunda. Ungavumeli intlantsi yokunxanelwa ulwazi ukuba ife, kuba imfundo ayilogwiba lekamva kuphela – koko ikwalithemba lekamva kwilizwe lethu, izwekazi lethu futhi kwanesiseko sehlabathi elingcono, nanjengokuba uNelson Mandela eyibeka ngokucacileyo:

***"Imfundo lelona krele lakhe
lanamandla ongathi ulisebenzise
ukutshintsha ihlabathi."***

Huntshu!

Gradeplegtigheid is 'n belangrike mylpaal in enigeen se lewe. Dit is die hoogtepunt van 'n akademiese reis wat u ambisie, vasberadenheid, toewyding, deursettingsvermoë en harde werk weerspieël. Ons weet dat hierdie werk dikwels nie net u eie is nie, omdat baie mense saam met u gereis het - u vriende, lektore, studieleiers, mentors en u gesin. Hulle het finansieel in u belê, u aangemoedig om te volhard, u studies gelei en bowenal geglo in u vermoë om te slaag en hierdie gradedroom te bereik. Vandag is u vreugde ook ons vreugde. So 'n belangrike oomblik - u gradedag - moet gevier word, want dit erken nie net alles wat u bereik het nie, maar fokus ook op al die potensiaal en moontlikhede wat kom. Dit bied ons groot hoop vir die toekoms

- want u is die toekoms. Ongelukkig kan ons nie persoonlik met u vier nie weens die COVID-19-pandemie wat ons lewens verander het - die manier waarop ons werk, studeer en leef. Dit het die manier waarop ons u gradeplegtigheid vier ook verander. Om veiligheidsredes word ons Herfs 2021-Gradeplegtigheidseisoen virtueel aangebied.

Dit moet u nie verhinder om hierdie mylpaalgeleentheid in die veiligheid van u huise met u geliefdes te vier nie.

As 'n student wat in ongekende omstandighede deur u studies moes gaan, salueer ons veral u prestasie. Dit kon nie maklik gewees het nie. Ons wens u alle sterkte toe vir u pogings in die toekoms, waar hulle u ook al as 'n trotse oudstudent van Nelson Mandela Universiteit mag neem.

Moet nooit ophou leer nie. Laat u vonk van nuuskierigheid nie uitsterf nie, want onderwys is nie net u paspoort tot die toekoms nie - maar ook die toekomstige hoop van ons land en kontinent en is inderdaad 'n grondslag vir 'n beter wêreld, soos Nelson Mandela dit so wespreekend gestel het. :

***"Onderwys is
die kragtigste
wapen
waarmee u die
wêreld kan
verander."***

Veels geluk!

**Professor Sibongile Muthwa
Vice-Chancellor**



About Nelson Mandela University



Nelson Mandela University is the only university in the world to carry the name of Nelson Rolihlahla Mandela. With this honour comes the responsibilities of leading our university into a new era of transformative innovation, development and change in line with the ethos and values of our namesake.

Living the legacy of Mandela should be reflected in the way we teach, learn, do research, engage with our partners, and work, study and live as staff, students and alumni.

We are on a journey to achieve this and become the learning destination for staff and students who:

- Are pioneering change agents for a better world;
- Are committed to creating jobs in an entrepreneurial economy
- Work together across disciplines in seeking solutions and innovations to achieve quality of life and a health environment for all people, and
- Are instilled with a deep need to serve and give back.

Fast Facts



CAMPUSES
NORTH, SOUTH, OCEAN SCIENCES, SECOND
AVENUE (IN SUMMERSTRAND) MISSIONVALE
(MISSIONVALE), BIRD STREET (CENTRAL),
GEORGE (GEORGE CAMPUS IN THE GARDEN
ROUTE

28 523

ENROLLED STUDENTS

* HEADCOUNT AS AT 16 APRIL 2021

6

**STRATEGIC
RESEARCH
AREAS**

3000

PERMANENT EMPLOYEES

An icon showing three graduates in caps and gowns, one in grey, one in dark blue, and one in yellow.

2.89%
**OF THE STUDENTS
COME FROM**

51

**DIFFERENT
COUNTRIES**

481

PROGRAMMES

(from certificate through to doctoral
qualifications)

7

FACULTIES

(Business and Economic Sciences;
Education; Engineering, the Built
Environment and Technology; Health
Sciences; Humanities; Law and
Science)

6

**STRATEGIC
PRIORITIES**

- Student access and success
- Resource stewardship
- Engaged innovative scholarship
- Transformative institutional culture
- Talented high-performing staff
- Enabling systems, processes and infrastructure

Exciting Prospects



Ocean Sciences Campus

Our new generation university is set to become the leading “go-to” destination in Africa for all marine and maritime teaching, learning, engagement, innovation and research at postgraduate level.

This follows the launch of the Ocean Science Campus in Summerstrand in September 2017 as part of the University's strategic drive to unlock the potential of the blue economy in a sustainable manner to benefit all South Africans. The development and expansion of our academic programmes will offer new opportunities to all South Africans.

Intentional Design

The new campus at the former CSIR offices has been intentionally designed and revamped to embrace a transdisciplinary way of working. It has also been specifically branded to reflect its purpose – that of a dedicated creative and innovative hub for postgraduate studies, and its physical spaces revamped to allow scientists from all disciplines to

work as teams. Phase two of the infrastructure project is now underway.

Partnerships

This transdisciplinary research strategy does not stop with the academic project. Instead, it also seeks to embrace a ‘blue commons’ partnership with the metro, local government, big business, civic society and all those who live, work and play at the water's edge and the oceans. It also includes several international partner universities.

By bringing all players together, all basic, formative and applied professional knowledge competencies in Ocean Sciences are exposed, developed and shared in novel ways. Strategically, this approach offers better options for both discovery research and that of solving real world problems arising from economic need, while always ensuring ecological sustainability.



New Medical School

The University has accepted its first intake of medical students for 2021 at the country's tenth medical school based on Missionvale Campus.

Innovative Teaching Model

The University's interprofessional education (IPE) teaching model sees students across the health sciences disciplines, inclusive of the MBChB, study together while also leveraging the benefits of technology.

This model (IPE) sees our student doctors work and study alongside nurses, radiographers, psychologists, environmental health practitioners, pharmacists, emergency medical care students and the like in the community, to offer holistic and integrated health care.

Mandela University Healthcare Graduates

Mandela University has an underlying philosophy of delivering graduates who are attuned for primary healthcare-oriented practice. Like today's graduates, the University's Medical School graduates will carry on the legacy of the late, great man the institution is named after. This is why the University has paid particular attention to what kind of doctor

it would like to develop through its new medical programme. "We want community-oriented, fit-for-purpose doctors who are skilled to practice medicine that meets the needs of our communities," says Dr Yoshna Kooverjee, who is teaching Theory and Practice of Medicine to the first-year students in 2021.

This graduate profile is based on the seven core competencies listed by the Health Professions Council of South Africa for undergraduate students in medical teaching and learning programmes in South Africa.

Missionvale Campus

The MBChB programme has been intentionally located on Missionvale Campus, because of its proximity to several clinical platforms, including Dora Nginza Hospital, and because this is the type of environment where accessible healthcare is needed most.

Additionally, it is hoped that the Medical School will serve as a catalyst for positive change in terms of urban renewal in an impoverished area.





Office-Bearers of the University

CHANCELLOR

DR GJ FRASER-MOLEKETI: MAdmin (UP), DPhil (hc) (Mandela University)

CHAIRPERSON OF COUNCIL

AMBASSADOR NP JANUARY-BARDILL: BA, Cert in Ed(UBL), MA(Essex University, UK), Dip HR Management (Damelin)

VICE-CHANCELLOR

PROF SW MUTHWA: BA(SW)(Fort Hare), BA(SW)Hons(Wits), MSc, PhD(London University, UK)

DEPUTY VICE-CHANCELLOR: ENGAGEMENT AND TRANSFORMATION

PROF A KEET: BA, HDE, BEd, MEd (UWC), PhD (Edu Mang, Law and Policy) (UP)

DEPUTY VICE-CHANCELLOR: LEARNING AND TEACHING

PROF CD FOXCROFT: BA, BAHons, MA, DPhil(UPE)

DEPUTY VICE-CHANCELLOR: PEOPLE AND OPERATIONS

MR LE HASHATSE: BJourn& Media, BAHons(Rhodes), MA(Edith Cowan University, Australia)

DEPUTY VICE-CHANCELLOR: RESEARCH, INNOVATION AND INTERNATIONALISATION

DR T MGWEBI: BSc, BScHons, MSc, HDipEd(Unitra); PhD(UCT); PGDeg(Tertiary Education Management)(University of Melbourne, Australia)

EXECUTIVE DIRECTOR: FINANCE

MR MR MONAGHAN: BCom(UPE), BComHons(UNISA), Professional Accountant(SA)

EXECUTIVE DIRECTOR: HUMAN RESOURCES

MS N BAM: BSocSc(UCT), PGDip(UFH), MBL(UNISA)

REGISTRAR

MR EB DE KOKER: BA(UCT), BAHons(UNISA), MA(Pub Admin) (University of Warwick, UK)

DEAN OF STUDENTS

MR LP JACK: NDip(PMA)(EC Technikon), BTech(PM)(PET), BAPhil(US), MCom(UKZN)

PRESIDENT OF ALUMNI ASSOCIATION

MR K BLOSE BSc(Construction Economics), BScHons(Quantity Surveying)(NMMU)



Executive Deans of Faculties

BUSINESS AND ECONOMIC SCIENCES

PROF HR LLOYD: BCom, BComHons, MCom, DCom(UPE)

EDUCATION

DR SF MOENG: BA, HDE, BEdHons(UPE), MSc(St Cloud State University, USA), DEd(NMMU)

ENGINEERING, THE BUILT ENVIRONMENT AND TECHNOLOGY

PROF BJ VAN WYK: NHDip(Technikon Pretoria), NHDip(Ed)(Technikon Wits), BTech(Technikon Pretoria), BCom(UNISA), MTech(Technikon Pretoria), MSc(Southern Mississippi), MBA(Haaga-Helia), PhD(Wits)

HEALTH SCIENCES

PROF D VAN ROOYEN (ACTING): BCur, BCurHons, MCur, PhD, PGD Edu & CC, ACGM, ANSAf

HUMANITIES

PROF P MASEKO: BA, BAHons (UWC), MA, Cert in Assessor's Course (Curriculum Development and Assessment in HE), PhD, PGDip in Higher Ed(RU)

LAW

PROF A GOVINDJEE: BA, LLB(RU), LLM(UPE), LLD(NMMU)

SCIENCE

PROF A MURONGA: BSc, UED(UNIVEN), BScHons, MSc(UCT), PhD (University of Minnesota, USA)

DEAN OF LEARNING AND TEACHING

DR P KOTA-NYATI (ACTING): BA(Vista), BAHons, MA Couns Psych (UPE), DPhil (Mandela Uni)



Order of Proceedings

Academic Procession

Constitution of Congregation

Dr GJ Fraser-Moleketi (Chancellor)

Welcome

Prof SW Muthwa (Vice-Chancellor)

Choral Performance

Nelson Mandela University Choir

Conferring of an Honorary Doctoral Recipient

Dr GJ Fraser-Moleketi (Chancellor)

Awarding of Qualifications

Dr GJ Fraser-Moleketi (Chancellor)

Conferring of Doctoral Degrees

Dr GJ Fraser-Moleketi (Chancellor)

Message of Congratulations and Dissolution of Congregation

Dr GJ Fraser-Moleketi (Chancellor)

National Anthem

Nelson Mandela University Choir

Departure of Academic Procession

* The words *Cum Laude* indicates that the diploma or degree is awarded with distinction to the candidate/s listed.

FACULTY OF ENGINEERING, THE BUILT ENVIRONMENT AND TECHNOLOGY

HIGHER CERTIFICATE IN INFORMATION TECHNOLOGY IN USER SUPPORT SERVICES

ABRAHAMS, Muhammad Noor
APPELS, Jade Franklyn
BAXA, Xabiso
BHOKO, Nonjongo
BOTH, Amanda
CHUENE, Thabang Edward
DAYIMANI, Nwabisa
DLAKWE, Phumelela Sivuyile
DLAMINI, Wanele
DUDULA, Hlulelwa
DUNGA, Lihle
DWENGA, Zizipho
FALAKAHLA, Zoleka
GCANGA, Mhlali
GOBO, Linamandla
GOQO, Njabulo Mbekezeli Morris
GORA, Ayabonga
GOWANA, Athenkosi
GROOTBOOM, Oyama
GWANGWA, Mmathapelo Ramasela Lekinah
HINI, Cebisa
HLANJWA, Siyabulela Tebogo
JAKUJA, Xolela
JARANA, Simbongile
JILI, Sandile Elvis
JOJO, Noncedo
KALIPA, Nombasa
KEMA, Luntu
KRUTANI, Anele
LABASE, Sinemitha Sibabalo
LECOGE, Didintle
MAFUDUKA, Asive
MAGAZI, Sibongakonke
MAGODA, Odwa
MAGWENTSHU, Siyanda
MAHLAKO, Mololo Peter
MAKHUBELA, Karabo
MALI, Sinoxolo
MANTSHONGO, Lindokuhle
MASANGO, Yanga
MATLOU, Seboye Catherine
MATSHAYA, Aphiwe
MAUDU, Mpho Tshawe
MAZIBUKO, Thabo Frank
MBOTHO, Lindokuhle
MDALANA, Siphesihle

MDLIVA, Zipho
MDUBEKI, Ongeziwe
MENSAH, Samuel
METELERKAMP, Rory Charles
MFAKADOLO, Hlomla
MGOQI, Leonard
MOKGALE, Katlego Delight
MOKHACHANE, Lehlohonolo Lebohang
MOKOTEDI, Moeketsi Evidence
MOSEKI, Gontse
MPOFU, Siphosethu Sinazo
MRAMBA, Zimkhitha
MSIPA, Aphiwe Nangamso
MTANA, Zikhona
MTHEMBU, Thabiso Siyabonga
MTHETHWA, Bongiwe Nomthandazo
MTSAKWE, Aphiwe
MTSWAYI, Yanga
MULAUDZI, Fhumulani Whity
MURRAY, Robyn Hannah
MXUNYELWA, Onesimo
NAIDOO, Seth Selwyn Jr
NDIKE, Xabiso
NDIKI, Asandiswa
NDLALA, Nikeziwe
NDZAMELA, Emihle
NGOGELA, Siphiwokazi Ora-Lee
NGOLOMI, Yandiswa
NGUBENI, Nhlakanipho
NGUZA, Mhlali
NJAMELA, Athenkosi Simthabele
NJENKELE, Simthandile
NJUZE, Lwando
NJWAYISE, Amlindile
NKANGALA, Pelisa
NKOSIYANE, Iviwe
NOMBULA, Vuyani
NOPECE, Lihle
NQOKISO, Landile
NTSHABO, Asenathi
NTULI, Siphosethu
NTUNGO, Samkelisiwe
PHETLHE, Kgaugelo
PLANGA, Tando
QANDEKA, Salinda
RANTSOELE, Napo Godfrey
ROBERTS, Cay-Lynne Monique
SATSHWA, Mthetheleli
SEKHAOLELA, Tshiamo
SEKHWARI, Pfarelo
SESE, Kamvelihle

SHEEP, Anele
 SHONGWE, Sphamandla
 SIBIYA, Thandeka Mathildah
 SIGABI, Mbaso
 SIKO, Luphiwo
 SINYENYELA, Aviwe
 SMILES, Zaid Lukin
 SOMDAKA, Lilitha Sinoyolo
 SONKOSI, Mawande
 SOTYANTYA, Tshepiso Matthews
 TELANE, Karabo Raymond
 TENGA, Nompumelelo
 THORNE, Sue-Maré
 TSHABALALA, Lindiwe
 TSITSI, Busiseko
 TUTSHENI, Siphosethu
 UWAH, Nnamdi Lerotholi
 WAYISA, Somila
 ZONDANI, Lelethu

CUM LAUDE

BACELA, Sisipho
 BEUZANA, Siyamamkela
 BUSO, Thabisile
 KGOPA, Mothupi Lethabo
 KILI, Afikile
 LUMKO, Amanda
 MAKAPELA, Ovayo
 MAKUBALO, Mzuvukile
 MAQOJANA, Amzolele
 MDEKAZI, Nkcubeko
 MONKI, Asanda
 MORUTLHO, Lerato
 MPINGWANA, Silindokuhle
 MULAUDZI, Mashudu Kerslee
 NGCAMU, Thabiso
 NODALI, Zisanda
 NONXUBA, Mbiko
 PLANGA, Liyabona
 QILINGANA, Kamva
 SIFILE, Mhlali
 SIKOKO, Zandile
 SKOSANA, Silindile Cynthia
 SOBEKWA, Liyabona Philasade
 SOGAYISE, Siyamamkela
 THWALA, Thembinkosi

HIGHER CERTIFICATE IN MECHATRONIC ENGINEERING

ABRAHAMS, Juninho
 BALANGA, Enrique James
 BARA, Bulela Kuhle
 DALI, Lisakhanya
 GULWA, Naledi
 HAMS, Yandisa
 INGRAM, Keanu Cohl
 JELE, Sydney
 JUKU, Sinethemba
 KANKU, Olga
 LEBITSA, Thuso
 MADUNA, Thapelo Kith
 MAKALUZA, Somnikwa
 MANONA, Siyabulela
 MATHIBEDI, Oageng Naphtale
 MATIWANE, Alwaba Livingstone
 MBAZIMATYE, Athenkosi
 MGOQI, Siyanda
 MKOKELI, Amanda Noziqhamo
 MOKOENA, Kamohelo Clement
 NDAYI, Asive
 NOMPETSHENI, Aphindiwe
 NTSHONGWANA, Sinesethu
 NTSONDWA, Anita
 NXUZA, Hlalanathi
 SENGCE, Oyamile
 SIKENDLE, Mhlali
 SONDLANE, Nzuzo
 STHUKUZA, Londeka
 THELEDI, Floyd
 THWALA, Sakhi Comfort

CUM LAUDE

ABRAHAMS, Gihahn
 BALIE, Ethan
 BUTLER, Luke
 DU PREEZ, Ruan
 JACOBS, Ruwellen
 MAJOLA, Xolelwa
 RAMAKGASHA, Vusimuzi Nation
 SPIERS, Chadwin Yuul
 VENTER, Daniel Francois
 WEYER, Nicholas James

**NATIONAL DIPLOMA: INFORMATION TECHNOLOGY
(COMMUNICATION NETWORKS)**

CHOONARA, Ebraheem Sulayman
CHRISTIAN, Lumen
DABANE, Anele Andries
GXOTO, Sivikele
HLALUKANA, Benathi
HORN, Shane Fazel
JOJIYASI, Nkululeko
KONA, Xhamla
KUBUKELI, Ntando
KUNENE, Jessica Rethabile
MANGQASHA, Isivile Msa
MAXENGANA, Yandisa
MAZIBUKWANA, Mso
MBEWU, Lwandile
MBINGELELI, Afikile
MFINCI, Zizo
MGXABAYI, Anovuyo
MKHAMBAPHI, Teresse
MKHETO, Anoxolo
MNYAMANA, Fezeka
MOYO, Chitra Tanaka
MZAMO, Zibele
NEL, Olwethu
NJENJE, Inga Buhle Mpumezi
NJOKWENI, Lelethu
NOBOMVU, Zukisa Tsoseletso
NQABENI, Prudence Anelisa
NTENGO, Ayanda
QATA, Athule
SOYA, Viwe
THOMAS, Victor Oladapo
YOSE, Qhama
ZAMANI, Azola
ZWANE, Nothando

CUM LAUDE

MATHE, Pollet Lucia
VAN VUUREN, David
WOOLF, Nicholas

**NATIONAL DIPLOMA: INFORMATION TECHNOLOGY
(SOFTWARE DEVELOPMENT)**

ABRAHAMS, Niyaz
BACKLUND, Sean Douglas
BARRON, Ozayr
BOOYSEN, Jason Stuart
BUTLER, Patrick Andrew Lochhead
CASTON, Keenan Francis
CLARKE, Kerwin
CUPIDO, Caleb Nathanael
CUTHBERT, Gregory David
DAYA, Janak
DE FRANCA, Fabio Miguel Paulo
DE KOCK, Matthew
DE WAAL, Dewaldt
DLAMINI, Sikhulile Letticia
DUNGA, Lisa
FOURIE, Jean-Luc
GEYER, Donovan
GOLIATH, Curtley Charles
GOLIATH, Wendell
GROBBELAAR, Matthew Joe
GWARUBE, Xolelwa
GWIJA, Sabelo
HATTINGH, Ryan Alec
HENDRICKS, Yaaseen
JACOBS, Robin Lee
JORDAAN, Marcel
KASHA, Mongezi
KELLER, Benjamin David
KLAASSEN, Vincent-Lee
KUMALO, Sivuyile Romeo
MABANGULA, Thembelihle
MADATT, Fredl Jaco
MAHLANGU, Themba Richard
MAJOLA, Lwandile Hilton-Junior
MAKHETHA, Aheng
MANGANYI, Tshembho Glen
MASILA, Nildo
MASOMBUKA, Thobile Martin
MAXELA, Lizwi
MAZOMBA, Stombo
MEYER, Sabrina Fayre
MFINI, Luphiwe Alfred
MFO, Chulumanco
MGQUBA, Siphelo
MJANYELWA, Ayabonga Sivuyise
MTSOLONGO, Ntomboxolo
MUNSHIE, Muhammed
MVULANKULU, Zikhona

MZINGELI, Zovuyo
 NGALIMANE, Samkelwe
 NGIBE, Nikelwa
 NGOMA, Akhona Andrews
 NKANGENI, Aphelele
 NTOKO, Ntebueng Portia
 NTSHOLO, Lukhanyo Caiphus
 NWAUCHE, Chibukem Bryan
 NXAKALA, Zipho
 OBERHOLZER, Brenton Gary
 PAPU, Siphesihle Esam
 PATRICIO, Claudio Dos Santos
 PETER, Nondwe Lovedelia
 PHILLIPS, Richard Ronaldo
 PILLAY, Jarryd Chad
 PRICE, Matthew David
 QABO, Mnqweneli Mlungiseleli
 RAMALIGELA, Junior Nhlamulo
 ROBILE, Courtney
 RODOLO, Vuyo
 SABA, Siziphiwe Sibulele
 SALAMNTU, Akha
 SALIWA, Lusanda
 SEYISI, Phelelani
 SINONO, Lwando
 SIZANI, Anda
 SOMLOTA, Okuhle
 SOWAZI, Siyabonga
 SWARTBOOI, Sakhanya
 TALJAARD, Mia
 TALMAGGIES, Ryan
 VILJOEN, Micah Kyle
 WATERS, Kevin
 WICHERS, Jarrod Tyrone
 WILDEMAN, Luke Wells
 WILLIAMS, Keagan
 XUMA, Zipho Nomfundo
 YALEZO, Yondela

CUM LAUDE

BARTIES, Curtis James Gabriel
 BASIWE, Daniel Dumisani
 CLAASEN, Sean Daniel
 DU PLESSIS, Conrad Johannes
 GREEN, Nichole Eden
 HOFFMAN, Saajidah
 INGRAM, Keenan
 KEETSI, Florence Karabo
 KEMP, Calvin
 KHUMALO, Nlakaniplo Siboniso

KOMENI, Anathi
 KUMM, Kyle Faron
 LESUME, Marryrose
 NEL, Johan
 NKAYI, Lubambo
 NKEPU, Viwe
 PURU, Uviwe
 ROSSI FALCON, Chiara
 SCHOEMAN, Jessica Christine
 VALENZUELA, Rian Hersan

NATIONAL DIPLOMA: INFORMATION TECHNOLOGY (SUPPORT SERVICES)

BAART, Siphosethu
 BALIWE, Lukhona Zandile
 BILANKULU, Lungile Gladstone
 BONGOZA, Ayavuya
 BONGWA, Andisiwe Ezra
 BUNN, Hlela Keneoue
 CHABALALA, Ponani
 CHUMBE, Noluthando Sarah
 DAMBA, Somila
 DIBANISA, Viwe
 DUBA, Sisanda
 FELKERS, Dylan Robin
 FERGUSON, Desire Michelle
 FORTUIN, Dorando Trevor
 GANGANI, Chuma
 GOBO, Ayabulela
 GROOM, Lusanda Pikolomzi
 GUSHMAN, Olwethu
 GXARISA, Lisenkosini
 GXONONO, Sinazo
 JOBELA, Athi
 JOUBERT, Gideon
 KAYINGO, Andiswa
 KLAASSENS, Jayde Ambrose
 KOLISI, Sandisiwe
 KONDILE, Lunga
 KULA, Xhanti-Lomzi
 LIVI, Alutha
 MAGWENTSHU, Amahle
 MAKINTA, Ramatsobane Hope
 MANAKE, Sihle
 MANN, John
 MAPAPU, Liyabona
 MAQHASHU, Nkosekhaya Moses
 MASELANA, Ntombikhona
 MATROSE, Zikhona

MAVUSO, Somila
 MAZWI, Bathobile Lilitha
 MBATHA, Sicelo
 MBIKO, Samantha
 MCENGE, Athenkosi
 MDODANA, Anathi
 MELENI, Mandilakhe
 MGONGO, Siphesihle Jennifer
 MINI, Nomawonga
 MNCOTSHO, Siyamamkela
 MNGQIBISA, Asisipho
 MOGOMOTSI, Vincent George Somahlathi Sibusiso
 MOHLELENG, Nomathongo Virginia
 MOKGOKONG, Koketso Maropeng
 MOLEKO, Katleho Lee-Roy
 MOMOTI, Yonela
 MOUERS, Sherney Shereen
 MPHASHA, Lesolo Kamogelo
 MQOKWANA, Aphelele
 MVUZA, Phiwe
 MXOTWA, Ayabonga
 MZAMANE, Khulasande Zusiphe
 NAZO, Sivuyiwe
 NCETHWA, Zanekehaya
 NGCEKE, Amahle Tandokazi
 NGELE, Sanelisiwe
 NGQOKWE, Lindokuhle Milile
 NGUBANE, Luleko Collen
 NKONE, Vuyokazi Virginia
 NKONJANE, Pumlanj
 NKOSI, Bonga Nicholas
 NOKANDA, Sibulele
 NOYIKA, Aphiwe
 NTELANI, Lukhanyiso
 NTLANGULA, Letukuthula
 QWETHA, Thumeka
 SAULI, Ntombikayise
 SEPTEMBER, Anathi
 SETI, Busiswa
 SHONGWE, Londiwe Happiness
 SHUTA, Nobuhle
 SITOTO, Thandisizwe
 SIXAKA, Lutho
 SIZANI, Pamela
 SMITH, Nerine
 SOMHLAHLA, Nonopha
 STUURMAN, Carlene Simone
 SWARTS, Warren Bradley
 TISO, Phelokazi
 TSHISEKA, Sibonise
 WAGENAAR, Sherwin Nico

YABO, Ovuyonke

CUM LAUDE

BLANI, Anele Happyboy
 KWANINI, Nikita
 RHADEBE, Olwando Mziwanele

DIPLOMA IN ARCHITECTURAL TECHNOLOGY

BLANE, Jamie Nathan
 CHAUKE, Thabang Benedict
 DE LANGE, Angelique Lesley
 DEYSEL, Zander Etienne
 GREYLING, Jean-Pierre
 GRIEVE, Gabriella Tarryn
 KLEINGELD, Mariske
 LANGEVELD, Dillan John
 MAPONGA, Sanele Nicholas
 MAZIBUKO, Sibusiso Thuthukani
 MHLONGO, Lungile
 NGCOBO, Unathi
 NODADA, Nyameko
 RASMUSSEN, Chad Michael
 REDDY, Britany
 SCHOONRAAD, Caleb
 TERHOEVEN, Stian
 TSHILILO, Mukundi
 TYALI, Mhlali

CUM LAUDE

BAYNES, Joshua

DIPLOMA IN BUILDING

ADONIS, Awonke Alfred
 AYFORD, Kayle Amber
 BAMBENI, Sisikelelwe
 BROWN, Zara
 BROWNE, William Peter
 DLAMINI, Yanga
 DUMANI, Pamela Tandokazi
 GIDA, Nomsa
 GUQAZA, Sinovuyo Nceba
 GWARUBE, Zimnandi
 HLATSHWAYO, Londiwe Penelope
 HUMAN, Nicolene Anastasia
 JINI, Nonkoliso Chuma

KALA, Singatha Konke Okuhle
 KASCHULA, Dylan Kyle
 KHOZA, Katekani Yolanda Mhlaba
 KLASSEN, Nomtha Angela
 KONSTABEL, Thursbe Dorian
 MADOKWE, Cwenga Theodore
 MADOLO, Qaqambile Vuyo
 MADOLO, Sange Kanyisa
 MAGWENTSHU, Sinathemba
 MAKANA, Bulelani
 MARAIS, Jan Bellingan
 MASICOTOZE, Yandani
 MAY, Zukhanye
 MBIZA, Siyamanga
 MBOLEKWA, Sinelizwi
 MELWA, Aviwe
 MGUCA, Mayande
 MNDAYI, Sive
 MNYUTE, Khanya Siphosethu
 MONQO, Yonwaba
 MTHOMBENI, Selbourne Selby
 MVANDABA, Yakha
 MYEKO, Silindokuhle
 NDONGENI, Zimkita Chritia
 NHLENGETHWA, Sabelo Emmanuel
 NONKONYANA, Sihle
 NQULO, Yonela
 NSE ONDO, Dulcinee
 PANDLE, Sicelo Benneth
 QANKQISO, Yola
 QASANA, Sinelethu
 QOKOQA, Azola
 RAPHAHLELA, Malegasa Ntheto
 SITHOLE, Andile
 SOKUTU, Xhanti Abonga
 SUNDANI, Khumbudzo
 TAMBWALI, Kelitah Nasibeko
 THABEDE, Thanda
 TIERVLEI, Bulelani Stephen
 TSHAKA, Ayabonga
 VATSHA, Aphelele
 WHITTOCK, Michael
 XANASI, Anelisa Mpumezi
 XOSA, Nombulelo Zizipho

CUM LAUDE

MABOA, Ramolokwane Violin
 MANYENGE, Luyanda
 MDUTSHANE, Odwa
 RAMMEKWA, Mamodiki Jacobeth

TIBA, Khanya
 YENI, Zibuyile Zamayeni

DIPLOMA IN INTERIOR DESIGN

DIPPENAAR, Lara Maria
 MATSI, Nakedi Daisy
 RENZE, Celine Yvonne
 ZWIEGERS, Maricke-Louise

NATIONAL DIPLOMA: ENGINEERING: CIVIL

DUDULA, Sibusiso
 LUKHELE, Ian
 MCLEOD, Dwayne
 MOODLEY, Ashleen
 MOYAKE, Sitsaba
 NONYANA, Kutloano Theodore
 NTSHOKOMA, Simamkele
 TSHANGELA, Sive
 TYAKUME, Zikhona

NATIONAL DIPLOMA: ENGINEERING: ELECTRICAL

CITI, Zethu
 CWABE, David
 DU PLESSIS, Emille Christo
 FIHLANI, Avela
 GURA, Siyabonga
 IMRAN, Mohammed Zain
 KALEBE, Omolemo
 MABUNDA, Neo
 MAISTRY, Saieshan
 MAMBA, Mpho
 MAMBURU, Lutendo Lloyd
 MAPHEKA, Tapiwa Thando
 MAPONONO, Mseki
 MDLUDLU, Mawande
 MELANE, Mawande
 MKHABELE, Jabulani
 MNXEBA, Asinakho
 MTIMKULU, Thokozani
 NDAWOMBINI, Sivuyile Craig
 NGAM, Qhamani
 NGQULA, Sivuyile
 NICHOLSON, Grant Daniel
 NTSHONGA, Yonela
 NYENYEKU, Mawande

PAUL, Kim
SEKO, Lesiba Thabiso
SITHOLE, Siphon Siyabonga
SWARTS, Vinchenso Alfred
THALA, Siyamthanda
TYIBILIKA, Nomatenza
VAN SCHALKWYK, Adriaan Willem
VELABAHLEKE, Mnoneleli
VEVANE, Benedictus Luvuyo
YENGE, Mveli

NATIONAL DIPLOMA: ENGINEERING: INDUSTRIAL

HLUNGWANI, Akani Precious
MALULEKE, Vukosi Providence
MKUMATELA, Sothembele Mtha
MNTUKATANDWA, Siseko
MZILENI, Kwanele
NKUNA, Fumani Karyn
RHAYI, Thokozani Thabang
SINUKA, Nontobeko
SOMHLABA, Lwando
TSOSI, Badibedi Joseph
ZINGELWA, Ayabonga

NATIONAL DIPLOMA: ENGINEERING: MECHANICAL

CONNACHER, Chaz William
D'ASSONVILLE, Henri Emile
DE WAAL, Hendrik
DOKODA, Ayanda
ERASMUS, Carl
HARRIS, Elandrue
MAHANGE, Dzunisani Jean-Louis
MAKOPI, Lindokuhle Thembele
MALIWA, Lusanda Sinethemba
MASETI, Yolanda
MAYEKISO, Aluve
MEYER, Kenton Daniel
MGODELI, Zipho Zizo
MGQATSA, Nobuhle
MJOJWA, Zukisani
NOGWAJA, Andisiwe
NOMBONA, Prince Percy Nkosana
NTYIKWE, Budebuphangwa
ROBERSON, Ronald Mcgyver
SIBUQASHE, Mzwanele Christopher
SMITH, Timothy Luke
SOGAULA, Snovuyo

SOMYA, Thabiso Lyncon
STEYN, Dane
SWANEPOEL, Marcel
TIMOTI, Sinovuyo Precious
TYAM, Sibulele
WAIT, John Alexander
WRIGHT, Elrich Martin
YOTWANA, Mongameli Nelson

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AMOD, Kemeshnee
BAILES, Darren
BOB, Linda Wendy
CAMPHER, Kurt Ruchiene
CORNEY, Jay Victor
DINGANA, Thabisa Hermangilter
FREDERICKS, Leyana Ronwyn
GERVAIS, Daniel Patrick
HARRISON, Edward Graeme
HEUVEL, Roland
JOBELA, Nkululeko Jonathan
KIVEDO, Israel Elisa
LINDI, Samuel Xolani
LOUIS, Evan Noel
MAHLANGU, Siphon
MLUMBI, Siyanda
MOFOKENG, Nthode Wiseman
MTSHOZENI, Thandisizwe
NOMBOMBO, Mivuyo
O'REILLY, Eurica Cecelia
POTGIETER, Marco
SIBHENGILE, Mfundo Patrick
SMITH, Rhameez Michael
SYSAAR, Nickfred
TSHAKA, Nomfundo Pretticia
VAN LOGGERENBERG, Christo Juan
VAN VUUREN, Brian Melvin
WILLIAMS, Sven Giovanni
XAKUSHE, Dumani Churchill

CUM LAUDE

VAN BILJON, Marli

BACHELOR OF TECHNOLOGY: INFORMATION TECHNOLOGY (COMMUNICATION NETWORKS)

BAMBENI, Esihle Lungile
DAVIS, Rushdeen
DLEMBULA, Nonophela
DUMA, Siboniso
GWIBA, Thandolwethu
GWIJI, Thando
JILILI, Sive
MOKOENA, Relebohile
MOLOI, Samkele
NDEVU, Lulutho
NJOMBOLWANA, Zintle
NKAYI, Ntombizandile
PETER, Lutho Lamla
PETERS, Kenleigh Linton Lance
RUBUXA, Mawethu
SITHOLE, Shadrack
WATERS, Nathan Daniel
XAKWE, Sive Precious
ZENANI, Athanathi

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KASESE, Mwimba Symphrose
LAGERDIEN, Ilyaas
LINDA, Bulelani Athini
MAGEZA, Fumani Brumilda
MANAKA, Busisiwe
MARAMBANA, Anovuyo
MOKOENA, Lehlohonolo
NEKUMBE, Minkie Refilwe
NKALA, Clifford
NKINTI, Simbizile
NONDABULA, Loyiso
PUTTERGILL, Joshua David
RAMUSI, Makgabo
SHROSBREE, Nathan John
VAN WYK, Jean-Ralph
VIKA, Lusindiso Mvuyisi
WEYER, Nathan Bryce

CUM LAUDE

BADENHORST, Jean-Wenzel
CHIKOCHI, Melissa
GOVENDER, Brendan Jenaide
VICTOR, Danielle

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BAILIE, Ross David
BANGANI, Zonwabele
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ENGOLE, Joshua
LATEGAN, Andre
LONG, Darren Jon
MARAMBANA, Aviwe
MAZIBUKO, Nobukhosi Sakhele
MEMANI, Sitshabasobom Ebenezer
MKONTWANA, Siphokazi
MSHUDULU, Sibulele
MTILENI, Nsovo
MULCKHUYSE, Kieran Leen
NDABA, Siphe Sihle Nariluna
NZUNGENI, Utsile Samuel
RAMARIKHOANE, Teboho
RESHA, Isivile Junior
SEPTEMBER, Zizipo
SHARP, Leslie
SHIMANGE, Benny Derrick Nsuku
SMUTS, Damien
SWART, Josia Petrus
VAN ROOYEN, Kaylin Olivia
XOMA, Lusanda

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BEKEBU, Zenande Somemore
BUHE, Sive
BURJINS, Craig Etienne
CHIVERS, Sarah Jane
DARIER, Joel Marcel Jacques
GALLANT, Clyde
GANTSHO, Chuma
GWEGWE, Lukhona
HASHATSE, Tefo Ntsako
HEIN, Justin
KISTEN, Keanu Dylan
LABITI, Siphumze

LUKWE, Andisiwe
 MAJIKIJELA, Ezile
 MAKISI, Asekhona Innocent
 MALEFANE, Tebogo
 MASINYANE, Nontuthuzelo Mavis
 MBOKOTHO, Vuyisa
 MKOSI, Alungile Gladysia
 MNDELA, Suku Khanyiso
 MSIKINYA, Daluxolo
 MTSHIZANA, Chulumanco Lithambile Cedric
 MULLER, Razeen
 NDLOVU, Ntuthuko Fanini
 NQALA, Busiswa
 NTSHINTSHI, Thandolwethu Matthew
 NUKERI, Keith Thabang
 OWUSU-ANSAH, Paa Kwesi Assan
 PIO, Abre Reinier
 SONTU, Luxolo
 SWANEPOEL, Roan Eddie
 THOMAS, Michael Sean
 TSHINGANA, Xolelwa
 TUKELA, Baphiwe
 TUTU, Entle Sipwiwe
 VISENYOUE, Rowan Bramlin
 YON, Ailan Caleb
 ZONKE, Thanduxolo
 ZOZO, Cwenga Nkcubeko

BACHELOR OF TECHNOLOGY: ENGINEERING: CIVIL (URBAN ENGINEERING)

KUHLANE, Tembisa
 MKOTWANA, Yamkela
 MOSEKI, Tsholofelo Patience
 NDESI, Nwabisa Onelisa
 NETSHIFHEFHE, Fulufhedzani
 NYEPA, Lithalethu
 QUNTA, Nomtha
 SONGQUSHWA, Akho
 TALMAGGIES, Raymond Marden

ADVANCED DIPLOMA IN QUALITY MANAGEMENT

FATA, Sisanda
 FOSTER, Mandlakayise Charles
 MAGOBIYANE, Masixole
 MASIBIGIRI, Masindi
 MBETE, Zimkita
 McDONALD, Carolyann Jill

NUNGE, Noluvo
 OLIPHANT, Siphokazi
 RAJAAL, Faaiza
 SILEKU, Puleng
 TOMAS, Mxolisi
 TSOEU, Tsoeu Morgan
 VAZI, Sakumzi
 VENA, Siphosenkosi

ADVANCED DIPLOMA IN ARCHITECTURAL DESIGN

DELPORT, Brendon
 MAHOMED, Ameen
 PROUDMAN, Andrew Ian Park
 RALANE, Philile
 ROBSON, Malcolm George

ADVANCED DIPLOMA IN INFORMATION TECHNOLOGY

BRANDT, Aidan Harry
 CWATHI, Abenathi
 DANSTER, Siyamthanda
 DE VRIES, Tristan Douglas
 DLABOM, Khuthala
 FILANA, Sanele
 GANISO, Ntombekhaya Mirriam
 GCEYA, Aviwe
 GEORGE, Tatenda
 GONGO, Vuyisa Christopher
 GWAGWA, Yanga
 HINI, Atenkosi
 JACKLENS, Zanele
 JERU, Sivuyile Kenneth
 KARIEM, Tauriq
 KHANYILE, Nokubongwa Samkelisiwe
 KHONZANI, Simbulele
 KUMBACA, Asonge Kamva
 LINDLEY, Cameron Lee
 LUZIPO, Khanyiso
 MABALA, Siyasamkela
 MABYANA, Itumeleng
 MAJIBA, Andile
 MAKHUBALO, Tshegofatso Blessing
 MALINGA, Lindokuhle
 MANELI, Mfundo Andrew
 MAPHUTHA, Mamotsoko Precious
 MAYOLI, Pamela
 MBALO, Siphamandla

MBELWANA, Yonwaba
 MBOBO, Inga Odwa
 MDAKANE, Nkosephayo Boufo
 MELA, Phelo
 MFINI, Masonwabe
 MNYAMANA, Okuhle Zimasa
 MONA, Phelela
 MSUTWANA, Nhlakanipho
 MUNZHEDZI, Gundo
 MUSITU, Constantine Tafara
 NAIDOO, Rashaylin
 NGAM, Asisipho Patiance
 NGCOBO, Sabelo Boys
 NOGAYA, Vusumzi
 NOPOTE, Lusanda
 NTSHOFU, Thobeka
 NTULI, Sipehelele Nkululeko
 NYATHI, Siphosethu
 PETENI, Uviwe
 SAQHUDE, Luyanda
 SMITH, Hein
 STEMERE, Andisiwe Mhlali
 STOKWE, Lonwabo
 SWART, Rochelle Eleanor
 TSHIKORORO, Dali Lutendo
 VAN DEN BERG, Ashleigh
 VUMAZONKE, Avela
 WANTU, Yandiswa

CUM LAUDE

ADAMS, Khwezi Theophillus
 GROBBELAAR, Frank Glynne
 HASSAN, Junaid James
 HUFKIE, Abigail Laverne
 MADIKIZELA, Asanda
 MLUNGUZI, Lihle Harrison
 MOLAPO, Maafane Boitumelo Brenden
 MOLEFE, Bafana Christophar
 MOSS, Trudy Renica
 MULOVHEDZI, Confidence
 NDABA, Nomalungelo Ntombizodwa
 NYELENZI, Nwabisa
 PETERS, Cornelia Francis
 SCHWAB, Karel Henry
 TROLLIP, Dean Jonathan
 YALEZO, Lwandile

ADVANCED DIPLOMA IN QUANTITY SURVEYING

DU TOIT, Christiaan
 FIGLAN, Mbasakazi
 FRIEND, Keegan Tony
 GQIBELA, Sixolile Moses
 GWELANA, Samkelo
 HIGGINS, Chadley Garth
 KUPA, Sibabalwe Salizwa
 LILA, Ongezwa
 MANXIWA, Ezi Zizipho
 MATWA, Mcokisi Nceba
 MAXONGO, Azile
 MIYA, Zamakahle Zisebenzele Vusumuzi
 NDLOVU, Phumlani Johannes
 NGALO, Siphamandla
 NOMFEMBE, Avela
 NOZINTWANA, Esethu
 NXUSA, Ukhona
 PANTSI, Bulumko
 SHUSHU, Masixole
 VISSER, Marne
 WUCHERPFENNIG, Bradley John

CUM LAUDE

ASENI, Sakhumuzi Willington
 ERASMUS, Juandre
 MTALO, Onwaba
 PANSEGROUW, Peter John Hildebrandt
 WATSON, Ruaan

BACHELOR OF ARCHITECTURAL STUDIES

BALA, Luvo
 BOTHA, Delise
 BOTMA, Natasha
 CARSTENS, Ruben
 CHURCHMAN, Michael Oliver Samuel
 DUNCAN, William James
 EBRAHIM, Aadilah
 FERREIRA, James Jordan
 HARWOOD, Ashley Claire
 HILL, Robert Alex
 HLALUKANA, Sinothando
 JORDAAN, Tyniele
 KLEYNHANS, Hermanus Leonard
 KRIEL, Cornelius Wilhelm
 LALLA, Tirtha
 LANDMAN, Michael Christo

LOOTS, Gerhard Joseph
MAKUBALO, Mivuyo Buhle
MANGWENDE, Lionel Tapiwa
MATABANE, Mmapilane Makgosi
MATAI, Mivuyo Lithakazi
MUKU, Lithemba
MULLER, Gillian Sarah
NIGRINI, Henco
NOGANTSHI, Siphesihle Cwayita
NORTJÉ, Bianca
OOSTHUIZEN, Rozanne
PUTTERGILL, Rachel Roxy
RICHTER, Helena Johanna
ROBERTS, Crissio
SHONE, Danielle
STRYDOM, Juan-Pierre
STRYDOM, Mieke
SWANA, Asemahle Andisiwe
THOMPSON, Julene
VAN DER MERWE, Alex Robert
VAN DER WATH, Cameron
VAN STADEN, Morgan
WATERSON, Megan

CUM LAUDE

HAGEMANN, Katelin

**BACHELOR OF ENGINEERING TECHNOLOGY IN CIVIL
ENGINEERING**

AFRICA, Kirsten Earl
DE FREITAS, Leonardo Jose
JANSE VAN RENSBURG, Atthea
KATUREEBE, Humphrey James
KONA, Melumzi Langalake
KONZAPI, Aviwe
KWINTSHI, Khanyisa
MADIYA, Olwethu
MANDAZA, Elton Tafadzwa
MXOLI, Inam
NDYALUVANA, Lorna
NOGEMANE, Maliviwe
NOKHOMBOYI, Athethile
RUUNDUKA, Pepukai Sebber
SHONHIWA, Grace Tsitsi
SIZE, Cetomkhulu Tutu
SOBEKWA, Oyama
TAMAKO, Neo
TSHAMASE, Katleho Kelello

WILLEM, Sinebongo Lusapho

CUM LAUDE

KEITH-BANDATH, Ridhwaan

**BACHELOR OF ENGINEERING TECHNOLOGY IN
ELECTRICAL ENGINEERING**

BHAYI, Lihle
KHUMALO, Nennie
KLATE, Jesse Jerome
LOTTERING, Michael-Anthony
SLATER, Emiel
UBISI, Nandos

CUM LAUDE

CHITONGO, Zvikomborero

**BACHELOR OF ENGINEERING TECHNOLOGY IN
INDUSTRIAL ENGINEERING**

PRAM, Sindiswa

CUM LAUDE

GERBER, Adriaan Roedolf

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MARINE ENGINEERING**

AUGUST, Aidan Keith Larnelle
NEL, Matthew Ryan

**BACHELOR OF ENGINEERING TECHNOLOGY IN
MECHANICAL ENGINEERING**

FOURIE, Jode
TALJARD, Gideon Harold
TEMBO, Blessed
TRASK, Daniel Llewellyn

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BASSON, Alard Dominic
BASSON, Alaric Bennedict
BOSMAN, Sesethu
CLAASSEN, Luvo Tevin
HULU, Bongamandla
KETELO, Nonkululeko Primrose
LANGFORD, Savannah
MAFADZA, Mutshinyani Peggy

BACHELOR OF TECHNOLOGY: ENGINEERING: ELECTRICAL

BALENI, Phakamisa
BELLINGAN, Benjamin Johannes
ERASMUS, Ryan Anton
FATMAN, Luphelo
FERREIRA, Elandre
FROST, Daniel Graham
GINGER, Mandiso
JAKO, Sihle
MANSOOR, Yusuf Rashid
MASETI, Ayabonga
MASHWABI, Tebogo Letlhogonolo
MHLANA, Siboleke
MKHOSI, Zukisa
MLINDELWA, Sifiso
MRASI, Siyabulela
MSI, Mawande
NKOANA, Alpheus Matome
NOFEMELE, Solomzi
NONJOVA, Unathi
PLATYIE, Zukisani Artwell
PRAM, Nondiliseko Felicity
RANGANA, Thina
TELADIA, Mohammed Husain
TYELO, Mdumiseni Clement
VOLMER, Gerard

CUM LAUDE

BARNARD, Edden
MUKALAY, David Ilunga

BACHELOR OF TECHNOLOGY: ENGINEERING: INDUSTRIAL

DE MAAR, Faiek
DUNJWA, Khona Justice
GANCA, Sive
GOEZAAR, Josh Robin
HACKULA, Oyisa Onela
HLETYIWE, Lwando
HOYI, Gloria Noluvuyo
KALIPA, Gladman Luvuyo
KOBESSE, Banele
KUHLANE, Anthony Lizo
MAFUNZWAINI, Asatuwi
MAKWETU, Sisipho
MATO, Odwa
MONSURU, Mubarak Akindayo
MZWAKALI, Siphokazi
NAMZI, Sonwabo
NONTSWABU, Linda
NTLIZIYO, Nomakhosi
OLIVIER, Ryan
PICANE, Oyena
SAMIE, Luqmaan
SHOLOKO, Ithabeleng
SIFUNDZA, Sabelo Gcina
SOBEKWA, Cwenga
SOUTHEY, Trevor Louis
VAN DER MERWE, Paul
WAKABA, Baxolile
WALSH, Kurn Alec
ZIHLANGU, Sive
ZOLELO, Lufezo

CUM LAUDE

BHAVANBHAI, Kabir Shailesh
FERREIRA, Daniel
GRUNDLINGH, Chaseson Roy
MEYER, Amber-Ann
SERFONTEIN, Jeannie

BACHELOR OF TECHNOLOGY: ENGINEERING: MECHANICAL

AYENUMELO, Joseph Oyetayo
BACA, Phelelani
CHINN, Danniell Dagan
DE BEER, Stephanus Johannes
DE JONGH, Jan Hendrik

DUFFIELD, Duran Logan
 FLYNN, Dale
 GROOTBOOM, Ntsika
 GUDMANZ, Matthew Damon
 IMRAN, Mohammed Zaahid
 JACK, Nosipho
 JOSAYI, Aphiwe
 KEYIZANA, Bantu
 KRUGER, Michael
 MABUZA, Banele Sonkhe
 MAGAZI, Phaphama
 MAMAYO, Sibulele
 MANDLA, Sibulele
 MAYEKISO, Aluve
 MDLELENI, Luvo Duncan
 MIYANTE, Victor Ovotatainam
 MPURWANA, Kabelo Bulali
 NGODWANA, Litha Samkele
 RANTHO, Thabang Mokgale
 SISWANA, Bongo
 SMITH, Aston Brad

BACHELOR OF TECHNOLOGY: OPERATIONS MANAGEMENT

COETZEE, Carmeno Nathaniel
 HOTE, Mncedisi Christopher
 LUDICK, Llewelyn John
 MANELI, Xolisa

BACHELOR OF TECHNOLOGY: QUALITY

MTINI, Moyisi

BACHELOR OF TECHNOLOGY: QUANTITY SURVEYING

KENNY, Dayne William
 MAHANJANA, Samelangolwazi
 MNISI, Xabisa
 NZIMA, Lwando

BACHELOR OF ENGINEERING IN MECHATRONICS

ALBERTS, Jaydee
 HOWARTH, Jason Milner
 JEGEDE, Emmanuel Demola
 KAUFMAN, Jason

LINDER, Britney Simone
 MAKU, Cumani
 MBAM, Vuyo
 MGXABAYI, Lupiwe
 MKIVA, Ferlando Thembelani Tumisho
 MKONKQWANA, Lutando Teddy
 MOMBERG, Garion
 SIBINDI, Nokuthula
 SITUMANE, Ayanda
 SOGA, Akhona
 STRYDOM, Tiaan
 THERON, Schalk Willem Petrus
 TINDIRIKA, Tinashe Divine
 VAN GOEVERDEN, Brody Anthony
 VARGHESE, Sthuthi Boban
 VILJOEN, Erwin
 VILJOEN, Reinart
 WEBB, Nicholas

CUM LAUDE

TULLEKEN, Justin

BACHELOR OF HUMAN SETTLEMENT DEVELOPMENT

MAPOLISA, Sanelisiwe Vuyisanani
 MARAM, Nomacebiso Eunice
 MASHALABA, Yonela
 NGCOBO, Mpendulo Rebecca Hope
 NOMTYALA, Chulumanco Lonwabo
 NQWALA, Avela
 PAPU, Litha
 WILLIAMS, Athandile Nombasa
 XUBA, Konwaba

CUM LAUDE

BRUCE, Kelsey

BACHELOR OF ARCHITECTURAL STUDIES HONOURS

ALBEST, Yves Jean-Michel T.
 BEZUIDENHOUT, Vicky Lee
 BOSCH, Rickus
 BURGER, Ferdinand
 DAVIDS, Maretha
 DE LANGE, Natasha
 DE VILLIERS, Sanette
 DE VOS, Tahrene

DUSTAN, Cameron Mitchell
FOUCHE, Daniel
GWANA, Sithe
HEUER, Morgan Lynn
HOBBS, Megan
KELSEY, Chanel
L'ANGE, Jonathan Christopher
MAKHELE, Busang
POTGIETER, Kendal Neil
STEYN, Anli
TSIOTSIOPOULOS, Alexandros
WEST, Aletta Maria
ZITUMANE, Asanda

CUM LAUDE

POORUN, Zara

**BACHELOR OF SCIENCE HONOURS IN
CONSTRUCTION MANAGEMENT**

GILMORE, Joshua Edward
MAGO, Hannah Tsitsi
MBANGI, Nozipho Zipporah
NEUBERT, James Derek

CUM LAUDE

KATIVU, Rutendo Rachael

**BACHELOR OF SCIENCE HONOURS IN QUANTITY
SURVEYING**

BOTHA, Michael Barry
GEYER, Ruan
GWADELA, Ntsika
HENDRICKS, Ray Carl
HOLMES, Daniel Anthony
JILI, Pumeza Zimasa
KLAAS, Usisipho
MAGENGENENE, Singabakho
MANSFIELD, Shane Earl
MBIZA, Sandisiwe
MDLOVU, Siphesihle Temlandvo
MENOE, Boineelo Bridget
MORUMUDI, Manoko Reshoketswe Valentina
MOYENI, Nangamso
NOQAYI, Abongile
NTOMBELA, Bandile Siyabonga
PUZI, Mbasa
SALI, Sivelele
SCHONKEN, Luke Mark
TSHABALALA, Tumelo Chris
TUNZI, Kanyisile
VERMAAK, Dylan

CUM LAUDE

BESTIC, Olivia Amy
SURAJBALI, Jivesh
VERWEY, Janita

MASTER OF ARCHITECTURE PROFESSIONAL (COURSEWORK)

BURGER, Sean

Title of treatise:

THE DESIGN OF A HIGH SCHOOL STEM CENTRE IN ZWIDE, NELSON MANDELA BAY

Supervisor: Mr AG Palframan

CONRADIE, Inge Christine

Title of treatise:

THE DESIGN OF A "PADSTAL" ON THE CROSSING OF ROUTE 62 AND THE SEWEWEEKSPOORT PASS, KLEIN KAROO

Supervisor: Mr AG Palframan

DE VILLIERS, Juan

Title of treatise:

THE DESIGN OF A NEW CORRECTIONAL FACILITY FOR NELSON MANDELA BAY

Supervisor: Mr AG Palframan

DUKADA, Qhamani Nande Matholengwe

Title of treatise:

THE DESIGN OF AN AGRICULTURAL EDUCATIONAL CENTRE NEAR VLEKPOORT, EASTERN CAPE

Supervisor: Dr M Minguzzi

EDMAYR, Alexandra Charlotte

Title of treatise:

THE DESIGN OF A VIRTUAL ECO-PARK FOR PORT ELIZABETH

Supervisor: Mr AG Palframan

FALATSI, Sera Edgar

Title of treatise:

THE DESIGN OF A PUBLIC LIBRARY IN HLOTSE TOWN, LERIBE, LESOTHO

Supervisor: Mr AG Palframan

HANSEN, Keane Mark

Title of treatise:

THE DESIGN OF A RHINO SANCTUARY IN THE KRUGER NATIONAL PARK

Supervisor: Mr AG Palframan

HOLDSTOCK, Marinda - **Cum Laude**

Title of treatise:

THE DESIGN OF SETTLEMENTS IN POST-APOCALYPTIC LANDSCAPES

Supervisor: Mr AG Palframan

MARULE, Neo Allan

Title of treatise:

THE DESIGN OF A RESEARCH HOSPITAL FOR MBOMBELA

Supervisor: Mr AG Palframan

MAZIBUKO, Nibonge

Title of treatise:

THE DESIGN OF A MEMORIAL LITERARY RESOURCE CENTER NEAR SOPHIATOWN, JOHANNESBURG

Supervisor: Mr AG Palframan

MCILROY, Glen Quentin

Title of treatise:

THE DESIGN OF A MENTAL-HEALTH CARE FACILITY IN DIEPSLOOT, JOHANNESBURG

Supervisor: Mr AG Palframan

MLENZANA, Mihle

Title of treatise:

THE DESIGN OF AN INDIGENOUS AFRO-PHARMACY IN CENTRAL, PORT ELIZABETH

Supervisor: Mr AG Palframan

NEL, Joslin Antoinette - **Cum Laude**

Title of treatise:

THE DESIGN OF A PORT OPERATIONS FACILITY FOR THE BUFFALO RIVER HARBOUR, EAST LONDON

Supervisor: Mr AG Palframan

NTSHONTSI, Tumelo Jasper B

Title of treatise:

THE DESIGN OF TERMINAL BUILDING AT MAUN INTERNATIONAL AIRPORT IN THE OKAVANGO DELTA, BOTSWANA

Supervisor: Mr AG Palframan

NPATSALOS, Daniella Chrystalla - Cum Laude

Title of treatise:

THE DESIGN OF A MEMORYSCAPE FOR SOUTH END, PORT ELIZABETH

Supervisor: Mr AG Palframan



PRETORIUS, Hanri

Title of treatise:

THE DESIGN OF AN INTERNATIONAL CONVENTION CENTRE FOR PORT ELIZABETH

Supervisor: Mr AG Palframan

RITCHIE, Brittney Tanneth

Title of treatise:

THE DESIGN OF A FUNERARY LANDSCAPE IN SHARK RIVER VALLEY, PORT ELIZABETH

Supervisor: Mr AG Palframan

SMIT, Blake Sean

Title of treatise:

THE DESIGN OF A WASTE-RECYCLING FACILITY FOR ARLINGTON LANDFILL

Supervisor: Mr AG Palframan

TSHELAMETSI, Gorata

Title of treatise:

THE DESIGN OF A STUDENT RESOURCE CENTRE IN CENTRAL PORT ELIZABETH

Supervisor: Mr AG Palframan

VAN NIEKERK, Neil

Title of treatise:

THE DESIGN OF SUSTAINABLE LOW-INCOME HOUSING WITHIN THE CAPE TOWN INNER-CITY

Supervisor: Mr AG Palframan

VAN ZYL, Adam

Title of treatise:

THE DESIGN OF A VIHARA IN PINELANDS, CAPE TOWN

Supervisor: Mr AG Palframan

VOS, Charne

Title of treatise:

THE DESIGN OF A HYDROTHERAPY FACILITY AT MANGOLD'S POOLS, PORT ELIZABETH

Supervisor: Mr AG Palframan

WEISS, Sarah

Title of treatise:

THE DESIGN OF AN ARTIST COLONY IN CENTRAL, PORT ELIZABETH

Supervisor: Mr AG Palframan



WILLIAMS-JONES, Zeni Louise

Title of treatise:

THE DESIGN OF A BRICK MANUFACTURING FACILITY AT DIMBAZA, EASTERN CAPE

Supervisor: Mr AG Palframan

MASTER OF ENGINEERING (RESEARCH)

BOTHA, Sheldyn Jaye

(Mechanical)

Title of dissertation:

INFLUENCE OF A SALINE TEST ENVIRONMENT ON THE FATIGUE PROPERTIES OF LASER METAL DEPOSITION

Ti-6Al-4V SPECIMENS

Supervisor: Prof DG Hattingh

Co-supervisor: Dr IN Wedderburn

GILL, Aphelele Bonani

(Mechanical)

Title of dissertation:

DEVELOPMENT OF PIN-LESS FRICTION STIR WELDING FOR THIN ROLLED TITANIUM PRODUCTS

Supervisor: Prof DG Hattingh

NGUGI, Michelle Wanjiku - **Cum Laude**

(Electrical)

Title of dissertation:

DESIGN OF A POLARISATION-BASED OPTICAL FIBRE SENSOR FOR VIBRATION MONITORING OF A WIND TURBINE TOWER

Supervisor: Prof PA Freere

Co-supervisor: Prof TB Gibbon

Co-supervisor: Dr S Wasson

MASTER OF ENGINEERING IN MECHATRONICS (RESEARCH)

ADELEKE, Adeniyi Kehinde - **Cum Laude**

Title of dissertation:

ULTRAPRECISION DIAMOND TURNING OF MONOCRYSTALLINE GERMANIUM

Supervisor: Prof K Abou-El-Hossein

DU PREEZ, Jacques Francois

Title of dissertation:

DOCKING STATION WITH CHARGING AND COMMUNICATION SYSTEMS TO ENABLE AN AUTONOMOUS SECURITY DRONE

Supervisor: Prof TI van Niekerk

Co-supervisor: Mr R Stopforth

GAJJAR, Kanushka

Title of dissertation:

VISION-BASED DEEP LEARNING ALGORITHM FOR DETECTING POTHOLE

Supervisor: Prof TI van Niekerk

GILFILLAN, Cullen Leo

Title of dissertation:

DYNAMIC MODELLING AND IMPLEMENTATION OF AN OPTIMIZED CONTROL SYSTEM FOR AN AUTOMATED GUIDED VEHICLE

Supervisor: Prof TI van Niekerk

Co-supervisor: Mr JM Fernandes

GREGOIRE, Mbangu Tambwe

Title of dissertation:

OPTIMIZATION OF SURFACE ROUGHNESS OF ALUMINIUM GRADE (RSA 443) IN DIAMOND TOOL TURNING

Supervisor: Prof K Abou-El-Hossein

LE ROUX, Francis Anne - **Cum Laude**

Title of dissertation:

MODELLING AND STATE-OF-HEALTH PREDICTION OF LITHIUM-ION BATTERIES UNDER DYNAMIC HIGH-CURRENT APPLICATIONS

Supervisor: Prof TI van Niekerk

Co-supervisor: Prof EE Ferg

LIEBENBERG, Elbert - **Cum Laude**

Title of dissertation:

INTELLIGENT PROPULSION CONTROL SYSTEM FOR A BIOMIMETIC UNDERWATER ROBOTIC DEVICE

Supervisor: Prof TI van Niekerk

Co-supervisor: Prof RL Phillips

Co-supervisor: Mr AB Young

TUMWESIGYE, Mark

Title of dissertation:

TESTING OF SINGLE EVENT UPSETS AND TOTAL IONISING DOSE IN A POLARFIRE FIELD PROGRAMMABLE GATE ARRAY

Supervisor: Prof F Smith

MASTER OF INFORMATION TECHNOLOGY (RESEARCH)

MOGANEDI, Mapoung Sophia

Title of dissertation:

INFORMATION SECURITY CONTROLS FOR FITNESS WEARABLE MANUFACTURERS: VULNERABILITY MITIGATION

Supervisor: Prof D Pottas

STRYDOM, Anton

Title of dissertation:

A FRAMEWORK FOR THE IMPLEMENTATION OF THE HMS² SYSTEM IN PUBLIC HEALTHCARE FACILITIES IN THE EASTERN CAPE

Supervisor: Prof D van Greunen

MASTER OF PHILOSOPHY IN INFORMATION TECHNOLOGY GOVERNANCE (COURSEWORK)

JIZANA, Phambili Mzwandile

Title of treatise:

A STRATEGY FOR IMPLEMENTING THE GOVERNANCE OF ICT IN THE PUBLIC SECTOR

Supervisor: Mr T Jagwanth

Co-supervisor: Prof H Fourie

KHOSA, Makhapule Winners

Title of treatise:

A FRAMEWORK TO INTEGRATE INFORMATION TECHNOLOGY RISK MANAGEMENT INTO ENTERPRISE RISK MANAGEMENT IN THE CITY OF EKURHULENI

Supervisor: Ms JC Christian

Co-supervisor: Mr M Labuschagne

MEHLOMAKULU, Yamkela

Title of treatise:

A STRATEGY TO ADDRESS THE FACTORS THAT IMPEDE THE IMPLEMENTATION OF IT GOVERNANCE IN INSURANCE COMPANIES IN DEVELOPING COUNTRIES: A CASE OF A SOUTH AFRICAN COMPANY

Supervisor: Mr TH Speckman

MSHWESHWE, Andisa

Title of treatise:

A FRAMEWORK OF FACTORS INFLUENCING SOFTWARE DEVELOPMENT AND OPERATIONS FOR DEPLOYMENT IN THE STATE IT AGENCY

Supervisor: Dr RG Leppan

MTHIMUNYE, Pauline Thandi

Title of treatise:

IMPLEMENTATION OF AN IT GOVERNANCE FRAMEWORK IN STATE OWNED ENTERPRISES

Supervisor: Mr M Labuschagne

Co-supervisor: Ms JC Christian

MUNAKANDABA, Constandious Takura

Title of treatise:

ANNOTATED PATHOLOGY LABORATORY WORKFLOWS TO COMPLY WITH THE PROTECTION OF PERSONAL INFORMATION ACT

Supervisor: Prof D Pottas

Co-supervisor: Prof A Mukheibir

MUYUYA, Rodgers

Title of treatise:

A FRAMEWORK TO EDUCATE EXECUTIVE MANAGEMENT ON CYBER RISK RESPONSIBILITIES IN SOUTH AFRICAN SMEs

Supervisor: Dr PMJ Delport

MASTER OF SCIENCE IN THE BUILT ENVIRONMENT (COURSEWORK)

CHIKANDIWA, Memory Yeukai

(Project Management)

Title of treatise:

A PROJECT DELIVERY FRAMEWORK WITHIN THE CONSTRUCTION INDUSTRY

Supervisor: Prof B Botha

DINGILIZWE, Nondumiso

(Project Management)

Title of treatise:

SAFETY PRACTICES ON ESKOM POWER PROJECTS

Supervisor: Ms E Ayesu-Koranteng

GWABAVU, Mandisi

(Facilities Management)

Title of treatise:

FACILITIES MANAGEMENT: ITS EFFECTS ON EMPLOYEE AND STUDENT EXPERIENCE

Supervisor: Prof WWM Shakantu

JENJE, Alexio Tamburayi

(Project Management)

Title of treatise:

FACTORS INFLUENCING COST AND SCHEDULE OVERRUNS ON CONSTRUCTION PROJECTS IN THE NELSON MANDELA METROPOLE

Supervisor: Mr RC Cumberlege

MABASO, Muziwandile Joy

(Project Management)

Title of treatise:

THE CAUSES OF FATAL TRENCH COLLAPSES IN SEWER RETICULATION PROJECTS IN THE CONSTRUCTION INDUSTRY

Supervisor: Prof JJ Smallwood

MAHULUHULU, Mukondeleli

(Construction Health and Safety Management)

Title of treatise:

BRIDGING THE GAP BETWEEN OCCUPATIONAL HEALTH AND SAFETY CULTURE AND PRACTICE IN THE CONSTRUCTION ENVIRONMENT: A CASE OF GROOTVLEI POWER STATION

Supervisor: Ms E Ayesu-Koranteng

MAPHAZI, Thandeka

(Facilities Management)

Title of treatise:

EFFECTIVENESS OF THE COMPUTERISED MAINTENANCE MANAGEMENT SYSTEM AT COMPANY X

Supervisor: Prof WWM Shakantu

MAVHUNGU, Gabriel Fhimani

(Project Management)

Title of treatise:

THE EFFECTS OF GENERIC CONTRACTING STRATEGIES IN THE CONSTRUCTION INDUSTRY: A CASE OF ESKOM'S CONSTRUCTION BUILDING PROJECTS

Supervisor: Mr RC Cumberlege

MBADAMANA, Sinethemba Nkosinathi

(Project Management)

Title of treatise:

THE ROLE AND EFFECTIVENESS OF CONSTRUCTION PROCUREMENT IN STATE OWNED ENTERPRISES

Supervisor: Prof JJ Smallwood

MDALAVU, Yanga

(Project Management)

Title of treatise:

THE UTILITY OF THEORY OF CONSTRAINT METHODOLOGY IN HUMAN SETTLEMENTS SERVICE DELIVERY

Supervisor: Prof GJ Crafford

MDIKANE, Nzwane Nimrod

(Construction Health and Safety Management)

Title of treatise:

THE ROOT CAUSES OF ACCIDENTS AND FATALITIES RELATIVE TO SOUTH AFRICAN CONSTRUCTION

Supervisor: Prof WWM Shakantu

MOTSHEGARE, Molifi Abram

(Construction Health and Safety Management)

Title of treatise:

TRANSNET FREIGHT TRAIN DERAILMENTS

Supervisor: Prof JJ Smallwood

SHEZI, Dumisani Siyabonga Charles

(Construction Health and Safety Management)

Title of treatise:

FACTORS CONTRIBUTING TO HEALTH AND SAFETY NON-COMPLIANCE BY CONTRACTORS ON TRANSNET SITES

Supervisor: Prof JJ Smallwood

TEMBANI, Sitha

(Project Management)

Title of treatise:

EMERGING CONTRACTORS' MANAGEMENT OF TIME, COST AND QUALITY ON PUBLIC SECTOR PROJECTS IN THE NORTH WEST PROVINCE

Prof WWM Shakantu

DOCTOR OF PHILOSOPHY IN CONSTRUCTION MANAGEMENT

JIBRIN, Ibrahim Mohammed

Title of thesis:

VALUE REENGINEERING IN THE NIGERIAN CONSTRUCTION INDUSTRY

Supervisor: Prof WWM Shakantu

MOLLO, Lesiba George

Title of thesis:

FRAMING THE REDUCTION OF HUMAN FAILURES IN CONSTRUCTION: A MIXED METHODS, TRAINING-WITHIN-INDUSTRY STUDY

Supervisor: Prof FA Emuze
Co-supervisor: Prof JJ Smallwood

NGESI, Hlekani Ntombizakithi

Title of thesis:

TOWARDS AN EFFICIENT AND EFFECTIVE CONTRACTOR DEVELOPMENT FRAMEWORK FOR SMALL AND MEDIUM SIZED ENTERPRISES

Supervisor: Prof WWM Shakantu

DOCTOR OF PHILOSOPHY IN ENGINEERING

CAWOOD, John Henry
(Mechanical)

Title of thesis:

ENHANCEMENT OF DOMESTIC SOLAR PHOTOVOLTAIC UNIT PRODUCTIVITY THROUGH THE USE OF A COST-EFFECTIVE TRACKING SYSTEM

Supervisor: Prof RL Phillips

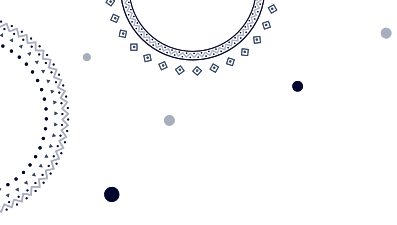
SEWELL, James Alderton
(Mechatronics)

Title of thesis:

SENSOR-BASED DEEP LEARNING SYSTEM FOR APPLICATION IN SMALL-SCALE SOUTH AFRICAN FARMS

Supervisor: Prof TI van Niekerk

Co-supervisor: Prof RL Phillips



DOCTORAL CITATIONS



THE DEGREE OF DOCTOR OF PHILOSOPHY IN CONSTRUCTION MANAGEMENT

IBRAHIM MOHAMMED JIBRIN

Previous qualifications:

1998	Bachelor of Technology (Building)	Federal University of Technology, Minna, Nigeria
2002	Postgraduate Diploma (Environmental Management)	Federal University of Technology, Minna, Nigeria
2011	Master of Science (Construction Management)	University of Jos, Nigeria

Thesis:

VALUE REENGINEERING IN THE NIGERIAN CONSTRUCTION INDUSTRY



Production improvement techniques in use in the Nigerian construction industry are yielding sub-optimal value for customers. This necessitated investigation of techniques to engender maximum efficiency gains. The subjectivist methodology was utilised to establish critical success factors in ten purposefully sampled contractors. The results revealed a significant need for the process to be reengineered through utility of change enablers and introduction of assistive technologies. A framework to roadmap the reengineering process was developed. The study recommends that the framework developed in this research should be usefully adopted to improve customer value optimisation in the Nigerian Construction Industry.

Supervisor: Prof WWM Shakantu

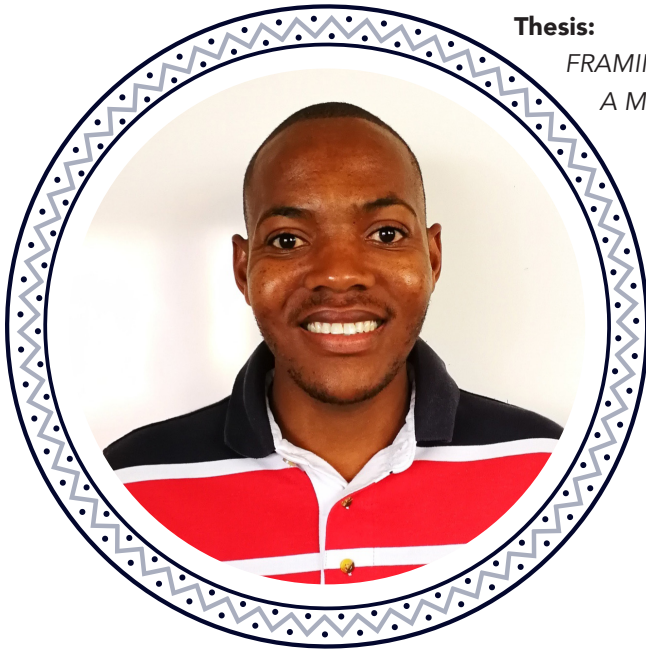
THE DEGREE OF DOCTOR OF PHILOSOPHY IN CONSTRUCTION MANAGEMENT

LESIBA GEORGE MOLLO

Previous qualifications:

2014 National Diploma Building
2015 Baccalaureans Technologiae Quantity Surveying
2017 Master of Technology Quantity Surveying

Central University of Technology
Central University of Technology
Nelson Mandela University



Thesis:

*FRAMING THE REDUCTION OF HUMAN FAILURES IN CONSTRUCTION:
A MIXED METHODS, TRAINING-WITHIN-INDUSTRY STUDY*

The study determined how the Training-within-industry (TWI) informed framework could help contractors reduce human failure on construction sites. The framework improves deployed safety management system (SMS) on construction sites. The construction team could limit hazards and risks that lead to accidents in construction using the framework. The contributions to knowledge in practice and theory have been published widely in journals and conferences.

Supervisor: Prof FA Emuze
Co-supervisor: Prof JJ Smallwood

THE DEGREE OF DOCTOR OF PHILOSOPHY IN CONSTRUCTION MANAGEMENT

HLEKANI NTOMBIZAKITHI NGESI

Previous qualifications:

2001 Bachelor of Science
2002 Bachelor of Science (Hons)
2010 Master of Science
2012 Master of Arts

University of Port Elizabeth
University of Port Elizabeth
Nelson Mandela Metropolitan University
Nelson Mandela Metropolitan University

Thesis:

*TOWARDS AN EFFICIENT AND EFFECTIVE CONTRACTOR DEVELOPMENT
FRAMEWORK FOR SMALL AND MEDIUM SIZED ENTERPRISES*



Construction Small and Medium sized Enterprises are touted as drivers of economic opportunities and innovation. However, more than 70% of these enterprises do not survive their first three years of operation. This research investigated the reasons for this high level of mortality. The findings show that there are environmental, financial, managerial and associated structural impediments that cause this mortality. The research suggested that training, focused mentorship, financial opportunities and the development of an efficient and effective Contractor Development Framework could assist to alleviate the mortality. The research recommends that SMEs should implement the Contractor Development Framework for continued viability beyond the mortality period.

Supervisor: Prof WWM Shakantu

THE DEGREE OF DOCTOR OF PHILOSOPHY IN ENGINEERING (MECHANICAL ENGINEERING)

JOHN HENRY CAWOOD

Previous qualifications:

1985	National Diploma, Engineering: Mechanical	Vaal Triangle Technikon
1990	GCC Mechanical Engineer - Factories and Works	RSA Dept. of Manpower
1994	MDP Operations and Productivity Management	UNISA School of Business
2012	Baccalaureus Technologiae: Mechanical Engineering	University of South Africa
2018	Master of Technology: Engineering: Mechanical	Nelson Mandela University

Thesis:

*ENHANCEMENT OF DOMESTIC SOLAR PHOTOVOLTAIC UNIT
PRODUCTIVITY THROUGH THE USE OF A COST-EFFECTIVE TRACKING
SYSTEM*



The study investigated various methods of tracking the solar path for development of tracking technologies in Africa for acceptable performance, simplicity and affordability. The study produced experimental results using a low pressure hydraulic system which produced an increase of 58% of electrical production over an equivalent horizontal panel. The research included several innovations including, amongst others, the development and testing of a proprietary hydraulic cylinder for low pressure hydraulics, as well as a high head and low flow pump for hydraulic actuation in small applications. The study concluded with a final specification of the prototype device.

Supervisor: Prof RL Phillips

THE DEGREE OF DOCTOR OF PHILOSOPHY IN ENGINEERING (MECHATRONICS)

JAMES ALDERTON SEWELL

Previous qualifications:

22018 Bachelor of Engineering (Mechatronics)

Nelson Mandela University

2019 Master of Engineering (Mechatronics) (Cum Laude)

Nelson Mandela University



Thesis:

SENSOR BASED DEEP LEARNING SYSTEM FOR APPLICATION IN SMALL-SCALE SOUTH AFRICAN FARMS

This research proposed the design and development of a sensor-infused off-grid autonomous agricultural robot with a low input user interface for application in small scale South African horticultural farms to mitigate additional resource consumption and prior computational knowledge to operate the system. The research focused on creating a system through which intelligent precision farming techniques could be implemented to maximise crop yields using a sensor infused agricultural robot which implemented a custom delta robot to maintain crops. The use of this system does not require prior computational knowledge of the system to operate optimally. It provided ease of use and integration into the South African agricultural sector. Implementation of a deep learning algorithm achieved crop plant detection without the need for large reference databases and use of a real time crop database. Automated precision farming could be implemented.

Supervisor: Prof TI van Niekerk

Co-supervisor: Prof RL Phillips

Academic Dress

Special academic attire has been designed for office bearers at Nelson Mandela University to be worn at prestigious academic events like graduation.

Each outfit – from that of the Chancellor and Vice-Chancellor to those of the Executive Deans – has been meticulously selected to signify a particular office; this is a tradition that is consistent with leading universities throughout the world. The gowns, caps and hoods of Nelson Mandela University graduates were similarly inspired and are explained in detail below.

Academic dress for graduates at Nelson Mandela University is as follows:

Doctoral Degrees

Gown: Cardinal red polyester cashmere gown with long pointed sleeves pleated up with blue cord and button and lined with blue satin with 125mm facings and a blue collar.

Hood: Full shape hood in cardinal red polyester cashmere lined with faculty colour satin and edged around the cowl with 75mm faculty colour ribbon with 15mm blue ribbon overlaid central. 50mm wide straight neckband in cardinal red polyester cashmere, 25mm faculty colour ribbon in centre of neckband with 15mm blue ribbon overlaid central to faculty ribbon.

Cap: Round doctor's bonnet in black velvet with faculty colour cord and tassel.

Master's degrees

Gown: Black gown, long pointed sleeves pleated up with blue twisted double cord and button. Similar cord detail is used.

Hood: Full shape blue hood lined faculty colour satin and edged around the outside of the cowl with 75mm faculty colour with ribbon. 50mm straight neckband in blue with 25mm faculty colour ribbon centred.

Cap: Black mortarboard with blue tassel.

Postgraduate Diplomas

Gown: Black gown, long pointed sleeves pleated up with blue twisted double cord and button. Similar cord detail.

Hood: Blue simple shape hood lined silver grey satin. Straight neckband with 15mm faculty ribbon on top edge of neckband and around cowl. 15mm silver grey ribbon on bottom edge of neckband and around cowl spaced 20mm away from the faculty colour.

Cap: Black mortarboard with blue tassel.

Bachelor Honours Degrees

Gown: Black gown, long pointed sleeves pleated up with blue twisted double cord and button. Similar cord detail.

Hood: Blue simple shape hood lined silver grey satin with

50mm wide straight neckband in faculty colour. Cowl edged 75mm faculty colour ribbon on the outside.

15mm silver grey ribbon runs along the outer edge of the cowl, overlaid on faculty ribbon and on top edge of neckband.

Cap: Black mortarboard with blue tassel.

Four-Year Bachelor's Degrees (Including Bachelor of Technology Degrees)

Gown: Black gown, long pointed sleeves pleated up with blue twisted double cord and button. Similar cord detail.

Hood: Blue simple shape hood lined silver grey satin with 50mm wide straight neckband in faculty colour. Cowl edged 75mm faculty colour ribbon on the outside. Silver grey cord runs along the outer edge of the cowl, overlaid on faculty ribbon and on top edge of neckband.

Cap: Black mortarboard with blue tassel.

Three-Year Bachelor's Degrees

Gown: Black gown, long pointed sleeves pleated up with blue twisted double cord and button. Similar cord detail.

Hood: Blue simple shape hood lined with silver grey satin with 50mm wide straight neckband in faculty colour. Cowl edged 75mm faculty colour ribbon on the outside.

Cap: Black mortarboard with blue tassel.

Advanced Diploma

Gown: Black gown, long pointed sleeves pleated up with blue twisted double cord and button. Similar cord detail.

Hood: Blue simple shape hood lined with silver grey satin with 50mm wide straight neckband. 15mm faculty colour ribbon on top and bottom of neckband around cowl.

Cap: Black mortarboard with blue tassel.

Diploma

Gown: Black gown, long pointed sleeves pleated up with blue twisted double cord and button. Similar cord detail.

Hood: Blue simple shape hood with 50mm wide straight neckband. 25mm faculty colour ribbon on centre of neckband.

Cap: Black mortarboard with blue tassel.

Faculty Colours

Humanities:

Business & Economic Sciences:

Health Sciences:

Law:

Education:

Science:

Engineering, the Built Environment and Information Technology:

Business School:

Yellow

Plum

Apple green

Grey blue

Orange

Dark green

Light blue

Black and magenta



Messrs T. Birch & Co (Pty) Ltd and its subsidiary, Croft Magill & Watson (Pty) Ltd, have been appointed as official robe maker to the University and as contracted suppliers of choice to students for graduation academic attire. Photos In Seconds has been appointed as the official photographer of the University.

Congratulatory Message from The Alumni Association

Congratulations on your academic achievement!

Welcome to the Nelson Mandela University family. You are now a Nelson Mandela University alumnus. We would like to take this opportunity to introduce you to the Nelson Mandela University Alumni Association.

Once you have obtained your Nelson Mandela University certificate, diploma or degree you become an alumnus of the University and a member of the Nelson Mandela University Alumni Association. The Association is recognised by the University Council as a structure of the University. The Association supports and enhances the realisation of the University's vision and mission through maintaining and expanding positive relationships with its members.

The Role of the Alumni Association Office

The Alumni Relations Office is responsible for the day-to-day running of the Alumni Association, the University Shop and all matters related to alumni engagement. Primarily, we build relationships and maintain strong links with graduates, parents, friends and supporters of the University through events, networks, services, communications and community engagement.

The Role of Nelson Mandela University graduate

We encourage you to attend alumni engagement events, be active alumni ambassadors, support your alma mater in a variety of ways including sharing news about your achievements, sharing your expertise and skills, and contributing supporting your alma mater's fundraising programmes. We encourage a culture of giving back especially for student bursaries, which can be accessed on our alumni website.

Support the University Shop

The Alumni Association established the University Shop in support of institutional brand development. Your support of the University Shop makes it possible for the Association to also support its own and other institutional programmes. The University Shop is situated at the Sanlam Student Village on University Way, Summerstrand. Visit the University Shop for all Nelson Mandela University branded clothing, corporate gifts, bags and memorabilia!

More info: **T** +27 41 504 3935 **E** alumni@mandela.ac.za

Join us: **f** Nelson Mandela University Alumni **in** Nelson Mandela University Alumni
www.alumni.mandela.ac.za **@MandelaUni**

Lifetime connection with Nelson Mandela University

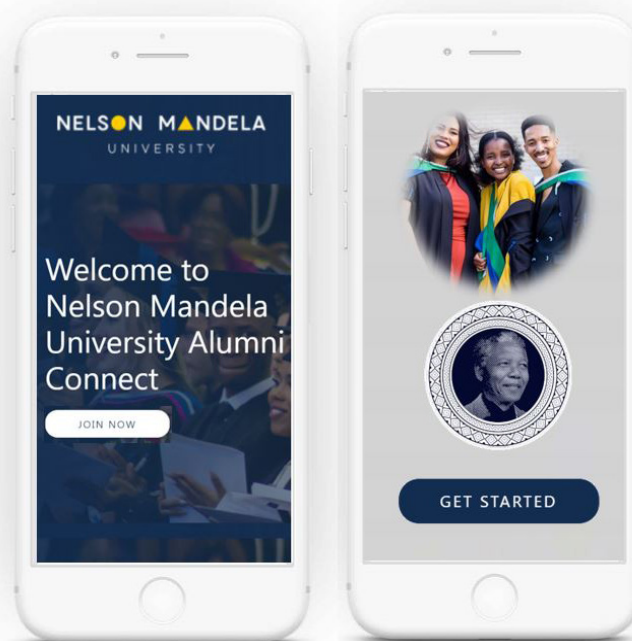
We are proud of our alumni and we value your connection. We encourage you to stay in touch by updating your graduate profile. We will keep you informed regarding University developments and alumni news through our event invitations, project and campaign updates and regular e-newsletters.

Join the Nelson Mandela University Alumni Connect community. Visit our website and follow or connect to our social media channels for more information regarding our alumni digital networking platform.

More info: **T** +27 41 504 4371 **E** shop@mandela.ac.za

Join us: **f** UniversityShopMandelaUni **in** Universityshop_mandelauni
www.shop.mandela.ac.za **@ShopMandelauni**

Stay connected to your alma mater! #MandelaAlumni4Life!



NATIONAL ANTHEM

Nkosi Sikelel'i-Afrika,
Maluphakanyisw'uphondo lwayo,
Yizwa imithandazo yethu,
Nkosi Sikelela, thina lusapho lwayo.

Morena boloka setjhaba sa heso,
O fedise dintwa le matshwenyeho.
O se boloke, O se boloke setjhaba sa heso,
Setjhaba sa South Africa.

South Africa.

Uit die blou van onse hemel,
Uit die diepte van ons see.
Oor ons ewige gebergtes
Waar die kranse antwoord gee.

Sounds the call to come together,
And united we shall stand.
Let us live and strive for freedom,
In South Africa our land.

Change the World

mandela.ac.za

PO Box 77000, Nelson Mandela University, Port Elizabeth, 6031.

T 041 504 1111 (Port Elizabeth) **T** 044 801 5111 (George)

E info@mandelauniversity.ac.za

