FACULTY OF ENGINEERING, THE BUILT ENVIRONMENT AND INFORMATION TECHNOLOGY

HIGHER CERTIFICATE IN INFORMATION TECHNOLOGY IN **USER SUPPORT SERVICES**

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JOZI, Tuleleni KAMTE, Simtembile KANDIWA, Tinotenda KHONZA, Siphosihle KOK, Confidence Letlele KUZE, Mzoli Amos

LUBEDU, Anelitha LUZIPHO, Sinazo

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MADIKIZELA, Dineo MADLEBE, Esethu

MAGADLA, Athini Sivakubonga

MALGAS, Liyabona MALUNGA, Buhle MANI, Ayabongwa MANKANKU, Avela MAPEMPENI, Sihle MBATSHA, Siviwe Khanya

MBIYO. Bomikazi MBOYA, Faith MDUBEKI, Wandile

METULI, Siso

MGQOLOZANA, Sinomtha MGQUBA, Ongeziwe

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MLONZI, Veliswa Petronella MOHABENI, Luxolo

MOODALEY, Brandon Kevin MOOPELWA, Kopano

MPINI, Esethu

MPUTAMPUTA, Simamkele MTAMZELI, Inga

MTHI, Aluncedo MTWA, Sihle

MWANGONDA. Mwiza Warren

MZANYWA, Sinovuyo MZWALI, Lihle NDZUTA, Olwethu NEWTON, Luke Josh

NGCANGCA, Chwayitho Chulumanco

NGCUKANA, Sanela NGCWEMBÉ, Azile NGODWANA, Siyathemba NGQUSEKA, Lisanele NGWANA, Anathi NJIVA, Siphe NKALA, Sibulele NOBUNXA, Zikho NOGANDA, Lolwethu NOMPUMZA, Sinazo NONDALA, Cwangco NONXUBA, Ayabonga

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WILI, Wandisile XAMNTWANA, Asaphelele

YIBE, Sinethemba ZWANE, Tumelo Brian

CUM LAUDE

DE VASCONCELLOS, Ervine Ernest HLANEKELA, Vuyolwethu KRALO, Asemahle LUKOJI, Mariam Tshabutula MABASO, Ntombizonke Favourite MKHIZE, Lungisane NJIKELANA, Lutholwamazizi Pearl REDLINGHUYS, Anastacia SHEMI, Elvin WECU, Anathi YUSUFF, Jamal Bolaji

NATIONAL DIPLOMA: INFORMATION TECHNOLOGY

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(Software Development) (Support Services) (Software Development) (Software Development) (Software Development) (Software Development) (Support Services) (Software Development) (Software Development) (Support Services) (Software Development) (Support Services) (Software Development) (Communication Networks) (Software Development)

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(Support Services) NTWANAMBI, Yolanda JACOBS, Peter Charles (Software Development) NUKERI, Keith Thabang (Software Development) JAM-JAM, Manelisi (Software Development) JILILI, Sive (Support Services) NYATHI, Siphosethu (Software Development) JORDAAN, Jody Jarod (Software Development) (Support Services) NYAWO, Comfort Mduduzi KABANE, Victor Mzimasi (Software Development) OWUSU-ANSAH, Paa Kwesi Assan (Software Development) KAPLEN, Michael Kalil (Software Development) PATEL, Fazila (Support Services) (Communication Networks) PHENYA, Simamkele (Software Development) KEKE, Sibulelo (Software Development) KERRIDGE, Mogammad Shafi PIO, Abre Reinier (Software Development) QOBONGO, Mninawa Curtis (Software Development) KISTEN, Keanu Dylan (Software Development) KOBA, Sivuyile (Software Development) RALIQALA, Topollo (Software Development) KOLOKI, Dumisani (Software Development) SAQHUDE, Luyanda (Support Services) (Support Services) KUMALO, Mzuwgama Precious SEFALAFALA, Dumisane Adolf (Support Services) (Communication Networks) (Software Development) KUMBACA, Asonge Kamva SMITH, Hein LANGSON, Matthew Keith (Software Development) SMITH, Wayden Emilio (Software Development) LINDLEY, Cameron Lee (Software Development) SOLOMON, Xolela Serzaria (Software Development) (Communication Networks) SONTO, Luxolo (Software Development) LLOYD, Thristan Shannon LUZIPO, Khanyiso (Software Development) STANDER, Cornelius Johannes (Software Development) MABALA, Siyasamkela (Software Development) (Software Development) STELEKI, Khanya TSHIKORORO, Dali Lutendo MABANGULA, Sanele (Software Development) (Communication Networks) (Software Development) TSHINGANA, Xolelwa MABYANA, Itumeleng (Software Development) MADIKIZELA, Asanda (Software Development) TUBE, Zandile (Software Development) MADUBELA, Simphiwe (Software Development) TUKELA, Baphiwe (Software Development) (Software Development) MAGANYA, Kgotsofalang (Software Development) TUTU, Entle Sipiwe MAHASHA, Keith Karabo (Software Development) TWANI, Jacob Cebisa (Software Development) (Software Development) VALTYN, Ernest (Software Development) MAHLAHLA, Athenkosi VAN ROOYEN, Dewet MAJIBA, Andile (Software Development) (Software Development) MAJIKIJELA, Ezile (Software Development) (Software Development) VOGEL, Estian MAKHUBALO, Tshegofatso Blessing VUMAZONKE, Avela (Communication Networks) (Communication Networks) VUSANI, Bonginkosi (Software Development) (Software Development) MAKISI, Asekhona Innocent (Software Development) WANTU, Yandiswa (Support Services) MAKUPULA, Afikile Mzwamandla Sindiso WATERS, Nathan Daniel (Support Services) MANELI, Mfundo Andrew (Software Development) WILLIAMS, Rebecca Hannah Margot (Software Development) (Software Development) WINTER, Keano Franz (Software Development) MANGCU, Viwe MARAIS, Stefan Jannie (Software Development) (Support Services) YALEZO, Lwandile MASINYANE, Nontuthuzelo Mavis (Software Development) YOLI, Siyabonga Xhanti (Support Services) ZONKE, Thanduxolo ZWENI, Phakamisa Morgan (Software Development) MASWANA, Siphumelele (Software Development) MATHANGANA, Nikitha Lilitha (Software Development) (Support Services) MATROKO, Sanelisiwe (Support Services) MAYOLI, Pamela (Support Services) **CUM LAUDE** MBANZI, Sinovuyo (Communication Networks) CEBEKHULU, Senele MBOBO, Inga Odwa (Communication Networks) (Software Development) MBOKOTHO, Vuyisa (Software Development) CHARLIE, Buseka (Software Development) MDAKANE, Nkosephayo Boufo (Software Development) FOUCHE, Brandon (Software Development) MDLIVA, Kholosa Unathi (Software Development) (Software Development) GROBBELAAR, Frank Glynne (Software Development) MFINI, Masonwabe (Support Services) HAGE, Francis Peter MKOSI, Alungile Gladysia (Software Development) HEATH, Ashleigh Anna (Software Development) MNYAMANA. 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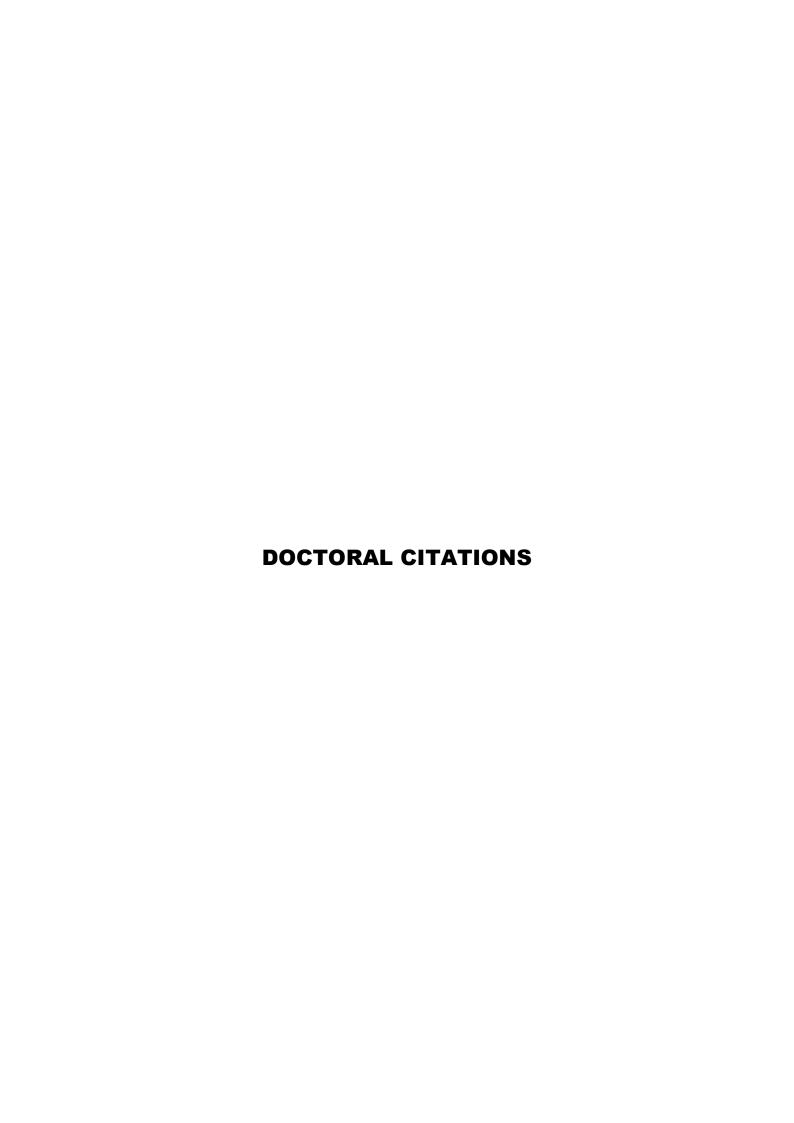
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FACULTY OF ENGINEERING, THE BUILT ENVIRONMENT AND INFORMATION TECHNOLOGY

MASTER OF INFORMATION TECHNOLOGY

BOTHA, Stephan Title of thesis:	
	F A MOBILE APPLICATION FOR SOIL MANAGEMENT: A CASE STUDY OF THE
LASTERN OAT E OROT S	Supervisor: Prof D van Greunen
MASTER OF PHILOSOPHY IN INFORMA	ATION TECHNOLOGY GOVERNANCE (COURSEWORK)
LE ROUX, Wickus Title of treatise:	
A FRAMEWORK TO GUIDE CYBERSEC	CURITY GOVERNANCE EFFORTS IN NON-PROFIT ORGANISATIONS Supervisor: Prof D Pottas
SARPONG, George Title of treatise: A STRATEGY FOR ADOPTING CLOUD OF IN NELSON MANDELA METROPOLE	COMPUTING SERVICES IN SMALL, MEDIUM AND MICRO ENTERPRISES (SME) Supervisor: Mr D Joubert Co-supervisor: Ms R Abrahams
DOCTOR OF PHILOSOPHY IN INFORM	ATION TECHNOLOGY
SAIOD, Abdul Kader Title of thesis: DATA QUALITY ISSUES IN ELECTRONI	IC HEALTH RECORDS FOR LARGE-SCALE DATABASES Supervisor: Prof D van Greunen



THE DEGREE OF DOCTOR OF PHILOSOPHY IN INFORMATION TECHNOLOGY

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Thesis:

DATA QUALITY ISSUES IN ELECTRONIC HEALTH RECORDS FOR LARGE SCALE DATABASES

Data Quality (DQ) in Electronic Health Records (EHRs) is one of the core functions that play a decisive role to improve the healthcare service quality. The DQ issues in EHRs are a noticeable trend to improve the introduction of an adaptive framework for interoperability and standards in Large-Scale Database management systems. This study resulted in the design of a hybrid method based on Fuzzy-Ontology with performed mathematical simulations based on the Markov Chain Probability Model to address the raised DQ issues to interventions and to overcome barriers and challenges, including the provision of EHRs as it pertains to DQ.

Supervisor: Prof D van Greunen