Curriculum

Vitae

Of

Mr. A Ntshate

Curriculum Vitae of
Athenkosi Ntshate

1.   PERSONAL DETAILS

Surname	Ntshate	
Full Names	Athenkosi	
Date of Birth	25-10-1989	
Identity Number	8910255864086	
Nationality	South African	
Gender	Male	
Race/Ethnic Group	Black	
Residential Address	35 Garcia Street **Cambridge** East London 5247	
Contact Details	Cell phone Number	0837830561/0437119823
	Email	ntshatea@gmail.com
Languages	Xhosa & English	
Criminal Record	None	
Drivers License	Code B	
Availability	Immediately	
Experience	1 year – 9 Months	

2.   EDUCATIONAL BACKGROUND

Name of Institution	Qualifications & Subjects	Date Completed
University of Fort hare	Bachelor of Science(Geology and Geographic Information Systems & Remote Sensing)	2012
Emfundweni S S.S	Matric	2007

3.   COMPUTER LITERACY & SKILLS

Computer Literacy	Technical Skills	Personal Skills
MS Word	TnTmips, Erdas and Arc Basic 1	Ability to work under pressure
MS PowerPoint	Sound numerical and analytical knowledge	Operate as a team player and as an individually
MS Outlook	ArcGIS 10,10.1,10.2 & 10.3 /Arc Map	Quick learner and keenness to learn new duties
MS Excel	Good verbal and written communication skills	Ability to meet tight deadlines and strive to achieve results effectively

Visual Basic	Good technical skills	Quick learner and keenness to learn new duties
Quantum GIS Desktop	Good technical skills	Quick learner and keenness to learn new duties
Analytical Skills	Good technical skills	Good technical skills
Creativity	Good technical skills	Good technical skills
Computer Skills	Good Computer skills	Good administration and planning skills
Communication and Listening Skills	Good	Sound numerical and analytical knowledge

4. EMPLOYMENT HISTORY

4.1. Current Employment

Name of Employer	Place of Employment	Current Occupation	Period of Employment
Department of Human Settlements	East London Head Office	GIS Technician	01 April 2014 - Present

Daily Duties/Responsibilities

- **Perform Geographical Information Systems (GIS) activities to improve decision making for problem solving.**
- **Maintain GIS operational effectiveness.**
- **Research and development.**
- **Database Compilation and Management**
- **Understand the use of conversion of various co-ordinate systems**
- **Data Capture, Field Data Collection, Digitizing, Geo-referencing, Mapping, Database Compilation, Manipulation of GIS data, and maintenance of Geographic data in the department.**
- **Spatial Analysis using ArcGIS and Quantum GIS**
- **Creating & Editing Maps using Arc Map**
- **Performing GIS Analysis**
- **Prepare Detailed Maps**
- **Knowledge of Maps and basic geographic principles**
- **GIS,GPS and commercial mapping**
- **Desktop Support(Install , Configure and Maintain both Computers and Printers)**
- **LAN SUPPORT(Ensure that all Departmental LAN and Data is secure and is Backed up, virus free and functioning optimally)**
- **Implement Information System Security measures**
- **Installation of 3G using .Net**
- **Capture spatial data from various formats and sources.**
- **Source spatial information from various data custodians.**
- **Advise on coordinate systems and projections.**
- **Maintain Geo-database.**
- **Develop and implement relational / object orientated databases.**
- **Produce customized maps to meet client's needs.**
- **Acquire GIS equipment, software, data and products.**
- **Undertake spatial analysis with regards to GIS projects.**

- Provide geographical support to internal and external stake holders
- Collect and capture of data from various formats and sources
- Design and implement a spatial database to store the required datasets
- Data manipulation and analysis including quality assurance
- Creation and maintenance of spatial data topology and attributes, format manipulation
- Apply geo-referencing, datum and projection transformations
- Providing technical support relating to software and data usage to geographic information systems (GIS) users
- Verify spatial data and compile report as required
- Design, develop and create geo-databases, maps and other related project
- Supervise capture and public metadata records
- Promote and participate in stakeholder relations
- Maintain GIS unit effectiveness
- Develop Geographical Information Science (GISs) spatial information tools within organization process
- Draft terms of reference for GISs projects
- Provide access to Spatial Information and Geographic Information Services to all clients in the Department
- Train end users on skills regarding to GISs at all times
- Ensure interoperability between systems to maximize efficiency
- Publish data into a web based GISs system to provide Geographical Information through the internet
- Ensure easy access to spatial information at all times
- Document departmental GISs processes in line with provincial GIS standards
- Develop new methods/technologies for solving spatial data problems
- Research and implement new GISs standards

Other daily duties as a Customer Service Consultant
IT Support 1st   (line support)

- Desktop support via telephone or service desk initiated requests.
- Resetting user password and unlocking user password.
- Troubleshoot problems over phone or via remote desktop technologies (SCCM).
- Desktop Support(Install , Configure and Maintain both Computers and Printers)
- LAN SUPPORT(Ensure that all Departmental LAN and Data is secure and is Backed up, virus free and functioning optimally)
- Implement Information System Security measures
- Installation of 3G using .Net

2nd Line Support (hands on support)

- Installing, Configuring users PC's and joining them on the windows domain
- Maintaining and Troubleshooting of User workstations.
- Adding email accounts and resetting passwords on Tablet and iPads
- Format and Reload of User machines, ensuring all user data is backed up and secured before format.
- Managing the Departmental Network Printers
- Install and support of BAS, PERSAL and LOGIS System.
- Ensuring correct software is loaded using SCCM onto the user's machine before delivery.
- Follow-up on all unresolved calls, with feedback being provided back to client.
- Exchange administration including mailbox maintenance (creation, modification and termination).

- Active directory user account maintenance (creation, modification, password resets and termination).
- 3Com VCX (VoIP) user account maintenance (creation, modification, password resets and termination).
- Linkage of VoIP users (Telephony) with Rampage (Telephone Management System)
- User rights management via group membership changes in active directory.
- Ensuring servers are online and mailboxes are connected after Load shedding.
- 3Com Switch Ports configuration.
- Backup Monitoring
- Data Centre maintenance (clean-up, monitoring of servers, air conditioners and Access control)
- Monitoring LAN using 3Com Intelligence Management Console(IMC)

Technical competencies:

- Understanding of GIS applications and spatial data queries.
- Theory, principles, and practices of GIS standards.
- Knowledge and capabilities of different GIS software's.
- Understand technologies such as GPS, Photogrammetry and Remote Sensing
- Projections
- Principles of cartography
- Knowledge of MS Office: Word, Excel and Access.

Maintain GIS unit Effectiveness:
- Maintain GIS tools
- Train End-users on basic GIS Skills
- Compile content for web publishing
- Capture metadata
- Updating of GIS software and renewal of licenses

Research and development:
- Research on new GIS technologies
- Compile appropriate plan to respond to the research problem
- Develop new methods / technologies for solving spatial data problems.
- Implement new GIS standards
- Keep up with developments in the geo-spatial industry.
- Participate in relevant GIS forums
- Capture spatial data from various formats and sources.
- Produce customized maps to meet client's needs.
- Manipulation of spatial data for analytical purposes.
- Map production & assisting local municipalities with GIS services.
- Capture data electronically where it is required
- Assessing of datasets to detect errors.
- Assisting key customers with the search of spatial information.
- Create a register on completed maps & Arranging workshops and meetings.
- Assist in writing reports and minutes & with administrative duties within office

Projects

- ➢ Vacant land parcels of the erstwhile Housing Board within BCMM

- ✓ Land Parcels were identified for DVRI (Duncan Village Redevelopment Initiative) and had to be mapped their actual locations.
- ✓ The main purpose for the project was to utilise them for CRU (Community Residential Units)
- ✓ These land parcels were all located around the area of Esigiggini with all the necessary services, within transport routes and commercial activities and therefore a joint inspection of these, was performed in order to determine the way forward which will be owned by the entire Program.

- ➢ Distance Proximity Spatial Analysis of BNG PROJECTS

Findings were done using the proximity distance calculator.

- ✓ The findings of the proximity distance calculator modelling for each of social amenity within the BNG Projects are provided in maps.
- ✓ An overall perspective is provided on the distance travelled and accessibility of social amenity services in each of the projects that includes proximity distance spatial analysis.
- ✓ The key analysis was to look at the proximity distance in kilometre to gain access to amenities across all BNG Projects.
- ✓ It is worth mentioning that analysis was done taking into consideration the terrain of the province as the model creates radius in kilometres and the permanent/temporary nature of services and services with different target beneficiaries and functions.
- ✓ Policy emphasis for human settlements sector in the 5th Term of Government is creation of just, safe, resilient and sustainable neighbourhoods both in urban and rural settings that was the main purpose for the project

- ➢ The project was looking mainly on

- • Clinics, Schools, MPCC`s, Police Stations
- • Spatial Referencing norms and standards on access to services CSIR, dpsa)
- • Approved Access Norms and Standards of Sector Departments
- • Breaking New Ground (BNG) Norms and Standards
- • A demonstration of 10 x Housing Projects (spatially referenced with other amenities)
- • A narrative analysis of a Housing Project (Access gaps)
- • A demonstration of infrastructure projects in the 16 Provincial Poverty sites
- • A narrative analysis of integration gaps in the 16 poverty sites
- • Recommendations for sector departments.
- • 16 poverty sites approved by EXCO in the Province
- • Where the 18 informal settlements that will be upgraded in the2014/15 are located, and the availability of other social and economic amenities in the same space we will be implementing these projects. Availability includes the existing and planned amenities by other sectors.
- • Where the 6 Multi-Purpose Community Centres will be completed in the2014/15 including the level of access to other social services, and road network connecting the communities to these MPCCs.
- • Where 18 MPCCs will be under planning during 2014/15 for implementation in 2015/16 are located and the nature and extent of access to other social and economic amenities.
- • Where the 6 projects that are adopted as Flagship Projects for Integration by the Social Transformation Cluster are located and the nature and extent of access to other social and economic amenities in line with dpsa and CSIR approved access norms and standards.

- The location of all housing projects in the approved 2014/15 Conditional Grant but focusing projects that cover a scope of 500 units and above. For each project, a proximity analysis to access to other social and economic amenities be conducted taking cue from approved dpsa and CSIR access norms and standards. The proximity analysis consider existing amenities and yet verify the planned amenities from planning data of other sector departments. Project related recommendations be made.
- The geo-referencing of the 2014/15 Budget and Policy Speech of the Department is an urgent and high priority assignment.
- Where necessary external GIS support should be speedily sourced to augment limited internal GIS capacity.
- The outputs of this project will inform executive management decision making on specific projects. The participation and leadership of the Department in the Social Transformation Cluster will be enhanced. The information to be generated by this project will support the planned Human Settlements Investment Summit in the 3rd Quarter of 2014/15.
- Map 1:   Housing Needs as per Census 2011 results, per District Municipality and Metro
  (The map depicts highest and lowest concentration of housing demand).
- Map 2: Spread of Informal Settlements in the Eastern Cape
  (The map depicts the municipalities with the highest number of informal settlements. According to the South African Space Agency report that is with the National Department of Human Settlements Monitoring and Evaluation Unit there are almost 354 informal settlements in the Eastern Cape working with the Earth Observation Unit of SANSA).
- Map 3: 2012 EXCO approved 16 Anti-poverty sites in the Eastern Cape.
- Map 4: Housing Investment in the MTEF cycle, per District Municipality and Metro
  (The map depicts number of projects, number of subsidies and their total Rand-value. Here we want to show the District or Metro with the highest and lowest total subsidies and number of projects approved for 2014 – 2019).
- Map 5: Existing and Emerging Economic Nodes in the Eastern Cape
  (This map depicts where the concentration of public and private sector investment is within the provincial space. It also demonstrates where the new are or planned high-economic impact projects e.g. wind farms, shale gas hub in Sarah Baartman, new Special Economic Zone in Chris Hani District. You can consult the State of the Province Address of 2014 or the Economic Research Unit in the Department of Economic Development Environment and Tourism. This is a very important map because across the globe, people follow the economy, and where the economic development interventions are is where people tend to settle. Whether cities planned for that or not, people just move in).

- ➢ PEELTON 20 UNITS FOR NHBRC REGISTRATION

- ✓ Objective of the project

- ▪ Mapping of the units for NHBRC Registration for locality plans with the use of Erf numbers for Identification of the sites around Bisho.

APPENDIX D: GENERAL
SKILLS
- Ability to work on my own initiative with minimum supervision and also as part of a team
- Enterprising: enjoy tackling problems and discovering solutions
- Good organisational skills
- Good teaching and training skills
- Strong written and oral communication capability
- Efficient at instruction and training
- Leadership skills
- Experience dealing with people of diverse ethnic and social backgrounds and difficult situations

LANGUAGES
- **Native: Xhosa**
- **Proficient: English, Zulu**

GENERAL INTERESTS
- **Listening to music, playing games**
- **Sports: soccer, rugby, basketball, hockey, cricket**
- **Environment and Nature**

Objective

To work in a viable and challenging environment where I can strive for excellence, professional growth and allow the development of my abilities and skills in favor of the organization's mission and my environment. Utilize my work experience, skills, education and personal attributes as a base, so that I can make a significant contribution to the continued success of the organization that am working for.

Summary

I have gained report writing skills by writing reports on internal housing projects within the Eastern Cape Municipalities conducted by the Department of Human Settlements. Working within the department research directorate has increased my research skills and get me in-depth in application of GIS and remote sensing in a Housing Department. Have gained stress control, tolerance and patience by working 12 hours a day at the office and in the field which is differ from normal office hours. My learning skills have increased since I was involved on several projects of sustainable Human Settlements. I have also assisted with general administrative duties within COO research directorate and will be writing my Plato examination on the 9th November 2015 for GIS Technician.

5. REFERENCES

Reference Name	Employer and Location	Contact Details
Mr. Z. Mgulwa	PGP0176 GISci- Professional Eastern Cape Department of Education	0734963071 mgulwaz@gmail.com
Ms. T Rusi - Novukela	Director ICT Department of Human Settlements	0716881184 0437119530 TembisaR@ecdhs.gov.za
Ms. S Mange	GT1677 GIS Technician Department of Human Settlements	0731415778 0437119882 SinazoMa@ecdhs.gov.za