



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

PROJECT TENDER

Project: Project Investor Optimiser

Client: CSIR

Team: IMPAKD

TEAM MEMBERS

Diana Obo

Kudzai Muranga

Priscilla Madigoe

Sandile Khumalo

DEPARTMENT OF COMPUTER SCIENCE, UNIVERSITY OF PRETORIA

DATE: 2 MAY 2016



1 Meet The Team Members

Priscilla Madigoe



• Interests

My interests include Computer Programming, Electronics, Computer Graphics, Robotics, travelling, competitive programming, photography, music, sports and reading novels.

• Technical Skills

- Computer Programming with sound knowledge of Java, C/C++, MatLab, WebGL and Web-related programming languages.
- Complex Problem-Solving using scientific and mathematical principles.
- System Analysis to determine how a computer software should behave in set conditions.
- Quality Control Analysis to evaluate the performance and quality of computer software.

• Past Experience

The Software Engineering module had a preparatory project called the Mini Project that was created to give us a real-world experience of software development. I took part in the project and I have learnt the process of software development, team work and different technologies used to develop computer software and I've participated in this year's Standard Bank IT Challenge.

• Non-Technical Skills

My non-technical skills include critical thinking, reading comprehension, writing, effective listening, social perceptiveness and active learning.

- **Reason for Interest in the Project**

I'd like to partake in this project because I'd like to learn more about property investments and increase my programming diversity.

1.1 Diana Obo



Kudzai Muranga



• Interests

I am an avid reader, I love fantasy novels the most. I like to keep myself up to date with the current affairs of the world. I am also interested in learning anything new that concerns science, technology and business.

• Technical Skills

- I have sound knowledge of Java, C++, HTML, CSS, Javascript, C# and mobile development
- Artificial Intelligence experience.
- Business Management knowledge
- Project Management

• Past Experience

- Participated in the Standard Bank IT Challenge.
- Invited to the Hello Group Open Day where I participated in a coding challenge using Java.

• Non-Technical Skills

- I am interested and open to learning new things
- Disciplined
- Organised
- Critical Thinking

• Reason for Interest in the Project

I have a big interest in business. This project is the best suited for me because it combines the technical skills of a programmer and the business-oriented knowledge of property investment.

Sandile Khumalo



• Interests

My interest are coding , reading on new exciting, technologies ,watching and reading about football. I also enjoy weightlifting.

• Technical Skills

- I am comfortable and have experience coding in these languages; c++, java, c#, php, html, javaScript, bash. I also have done 64 bit assembler language and I have experience in MINIX.

• Past Experience

I have done a project in my software development class that is similar, it incorporates most of the technologies and frameworks used in the work place when developing big projects.

• Non-Technical Skills

I am a hard working student, I am dedicated, I believe if there is a will, the is a way.Especially as a developer because most of the solutions are there, someone has done it before.It's a matter of good research and good understanding of the task at hand. I am willing to learn from every experience.

• Reason for Interest in the Project

I find this project challenging and exciting, There is a lot to learn from it but I am confident that as fun as it will be doing it, it will also be a success.

2 Project Execution

• Development Methodology

For this project, the following development methodology will be used:

- Name:

Scrum

- What is Scrum?

Scrum is a lightweight management framework with broad applicability for managing & controlling iterative & incremental projects of all types (Takeuchi & Nonaka, 1999).

- Why did we choose to use it?

Because of all the potential additions that might occur at the different stages of development for this project, we have decided that Scrum is the best suited development methodology to use.