,.What are the factors that affect IT Implementation?

# Introduction

As a practitioner, you are required to demonstrate that you have a clear understanding of the task you are performing. The purpose of the introduction is for the practitioner to demonstrate a clear understanding of the task at hand.

The introduction should include:

- What is the task?

- What is the purpose?

- What are you delivering, and what is the use of it?

- How is your report structured?

- Any other information you see as being important to include.

Structure

A professional report at workplaces must consider a structure that helps readers understand discussions more effectively. Structure helps the flow of the contents and a logical connection between sections.

Look at your analysis outcome and the groups of themes or factors. It is a good place to think about shaping the main headings of the write-up.

Methodology

As an IT professional, you must demonstrate how you get data and how you analyse it t support your discussions and recommendations.

What are your sources of data?

- How did you find them? Where from?

- Why did you select these sources?

- What was your approach to the analysis of data?

- Any other important issue related to the methodology you would like to present.

# Outcome

Explaining the outcome of the analysis

Implement the structure and describe your analysis. Provide examples/evidence to justify that your work is accurate and based on data.

## Delivery Factors

We have 4 different delivery factors to consider, turns out that these factors align perfectly with testing plan types.

* Unit Test Plan
* Integration Test Plan
* System Test Plan
* Acceptance Test Plan

(Software Testing Fundamentals, n.d.)

These plans if executed correctly help prevent the fatal errors identified in the analysis.

Example

“The objectives for the use of the Beta environment as a substitute for the pilot did not cover the primary in situ testing function that a pilot would typically perform” Ref: 3  
A simple functional testing coverage would solve this inside a unit test.

**Implementation Factors**

A Project plan or a project schedule would solve most if not all the issues. Each factor will be addressed with a different part of the plan. (South Aftrican Goverment) (ROBERTS, 2019)

### Factor: Project Monitoring

#### Administrative tasks

Allocate time within the project plan to accommodate administrative tasks this could include status reports, team meetings, etc.

There needs to be regular updates or intervals to update the management on the project progression and feedback on that progress.

Example

“Found that Ministers were not always well served. Reporting to Ministers has been inconsistent, at times unduly optimistic and sometimes misrepresented the situation” Ref 29

### Factor: Schedules/Deadlines

#### Critical Path

Critical path analysis to identify those tasks which are critical to the success and timely completion of the project. This then can be structed into something like milestones or deadlines.

### Factor: Scope Creep

#### Adjustment Plan

### Factor: Technology Tools

#### Project Approach

### Factor: Workflow Communication

#### Communication Plan

# Conclusion, summary, reflection

Demonstrate your in-depth knowledge of the work you have completed and your confidence in pointing out the key points in a concise fashion.

Present a summary of what you did. Explain limitations. Outline what worked and what did not. Suggest how the outcome you delivered may be improved. Explain what your contribution to the IT community is? What is the value of your work?