



## Chapter 1

### 1.0 Introduction

#### 1.1.1Abstract

### 1.1 Statement of Problem

#### 1.10 Summary

## Chapter 2

### 2.0 Introduction

#### 2.10 Summary

## Chapter 3

### 3.0 Introduction

#### 3.10 Summary

#### **FUNCTIONAL REQUIREMENTS AND NON – FUNCTIONAL REQUIREMENTS**

This section describes the functional requirements part of the Business Requirements. It comprises of Actor Profile Specification and Use case diagram and use case specification in narrative text form.

#### **Functional Requirements Employee Management System**

- Employee Personal Data
  - System must only accept one record for every employee.
  - System must be able to collect employee data and validate compulsory fields.
  - System must ensure that each employee's email is unique.
  - System must make sure selected state of origin generates respective local governments.
- Employee Work Experience Data
  - System must allow multiple entries.
  - System must be able to collect employee data and validate form for compulsory fields.
  - System must make sure that at least one record is entered before going to the next process.
- Employee Education Data
  - System must allow multiple entries.
  - System must be able to collect employee data and validate form for compulsory fields.
  - System must make sure that at least one record is entered before going to the next process.
- Employee Bank Data
  - System must allow multiple entries.
  - System must make sure each added account number is unique.
  - System must make sure that at least one record is entered before going to the next process.
- Employee Medical Data
  - System must sure form only accept one record for every employee.
- Employee Work Data
  - System must sure form only accept one record for every employee.
- Employee
  - System must allow modification of employee personal data.
  - System must allow modification of employee education data.
  - System must allow modification of employee work experience data.
  - System must allow modification of employee work data.
  - System must allow modification of employee medical data.
  - System must endure employee is a member of a department.
  - System must be able to assign an employee to a unit in a unit in the employee's department.

### Non-Functional Requirements Employee Management System

- Employee Personal Data
  - System must ensure that employee date of birth is less than today.
- Employee Work Experience Data
  - System must ensure start date and end date are less than today.
  - System must ensure that end date is not less than the start date.
- Employee Education Data
  - System must ensure start date and end date are less than today.
  - System must ensure that end date is not less than the start date.
- Employee Work Data
  - System must ensure start date is not more than today.
- Employee
  - System should keep track of date and time record was created.
  - System should keep track of date and time record was last modified.
  - System should keep track of who modified a record.

### Functional Requirements Leave Management System

- System must display employee data.
- System must be able to validate the form for compulsory fields.
- System must make sure the HOD of the employee is able to **Approve** or **Reject** a leave with comments.
- System must ensure the registrar is able to **Approve** or **Reject** a leave with recommendations.
- System must ensure that the vice chancellor is able **Confirm** or **Reject** a leave.

### Non-Functional Requirements Leave Management System

- System should keep track of date and time record was created.
- System should keep track of date and time record was last modified.

### Functional Requirements Performance Management System

- Appointment
  - System must make sure both academic and non-academic staff have access to this form.
  - System must be able to validate the form for compulsory fields.
  - System should be able to calculate the total score.
- Achievement
  - System must make sure only academic staff have access to this form.
  - System must be able to validate the form for compulsory fields.
  - System should be able to calculate the total score.

- Academic Administrative Responsibility
  - System must make sure only academic staff have access to this form.
  - System must be able to validate the form for compulsory fields.
  - System should be able to calculate the total score.
- Timer
  - System must make sure both academic and non-academic staff have access to this form.
  - System must be able to validate the form for compulsory fields.
  - System should be able to calculate the total score.
- Course Thought
  - System must make sure only academic staff have access to this form.
  - System must be able to validate the form for compulsory fields.
  - System should be able to calculate the total score.
- Publications
  - System must make sure only academic staff have access to this form.
  - System must be able to validate the form for compulsory fields.
  - System should be able to calculate the total score.

#### **Functional Requirements Performance Management System**

- System should keep track of date and time record was created.
- System should keep track of date and time record was last modified.

## Chapter 4

## Chapter 5



## Reference