

**POST-GRADUATE MANAGEMENT SYSTEM - DATABASE**

**DOCUMENTATION**

**Definitions and Abbreviation**

HOD – Head of Department

FCI – Faculty of Computing and Informatics

HDC – Higher Degrees Committee

FIE - Faculty Internal Examiner

**Introduction**

The document presented is subject to change, the entities, business rules and relationship might be changed through consultation with the various stakeholder and the development stages.

**Purpose**

The document being presented here is meant to display how NUST Postgraduate Management System database is structured. It shall display the entities as well as defining them, and the relationship among them (Business rules).

**Intended Audience and Reading suggestions**

This document is intended for systems analysts, systems administrators, systems developers, office of the Associate Dean Research and Innovation, Heads of Departments, Dean’s office, Postgraduate Committee at FCI.

**Overall Description**

The system contains the following entities namely:

* **Student**

Besides the student biographical information such (name, address…), a student has a particular department, degree level in which he is registered, (Master or PHD) as well as the semester he is currently in.

For a particular student, it is mandatory to be under a supervision of a Supervisor and Co-supervisors throughout the research project, Thus the relationship between Student -> Supervisor -> Co-supervisor.

Part of the requirement when registering to master’s degree or PhD program, a research project must be done. For the research project, an area of studies must be provided by the student. After that, phases or stages must be completed throughout the project (Proposal, Thesis Examination).

**Student**

**Area of Study**

**Research Project**

**Supervisor**

**Co-Supervisor**

**Department**

* **Supervisor**

A supervisor is responsible for supervising one or more student, in addition to that, he also belongs to a particular department which has an HOD.

**Supervisor**

**HOD**

**Department**

**Student**

* **Research Project**

When dealing with the research project entity, we had a lot to deal with to reduce as much redundancy and data inconsistency as possible.

For a Research project, it is mandatory that a Proposal and Thesis is submitted by the student.

For a particular Proposal, a summary, Proposal comments, checklist, Report, Approval or Rejection stat must be stored.

For the Thesis however, Thesis Abstract, Intention to submit, Examiner’s report and monthly report must be kept.

**Student**

**Research Project**

**Thesis**

**Proposal**

**Proposal Status**

**Proposal Checklist**

**Monthly Report**

**Proposal Summary**

**Intention to submit**

**Examiner’s report**

**Abstract**

* **Head of Department (HOD)**

The Head of department is responsible for assigning a Supervisor as well as Co-Supervisors to students. He is also the one who signs up the student proposal checklist.

**HOD**

**Proposal Checklist**

**Supervisor**

**Co-Supervisor**

* **Co-Supervisor**

The Co-supervisors are simply responsible to Co-supervisor students during the research project.

The Co-supervisor are chosen by the HOD.

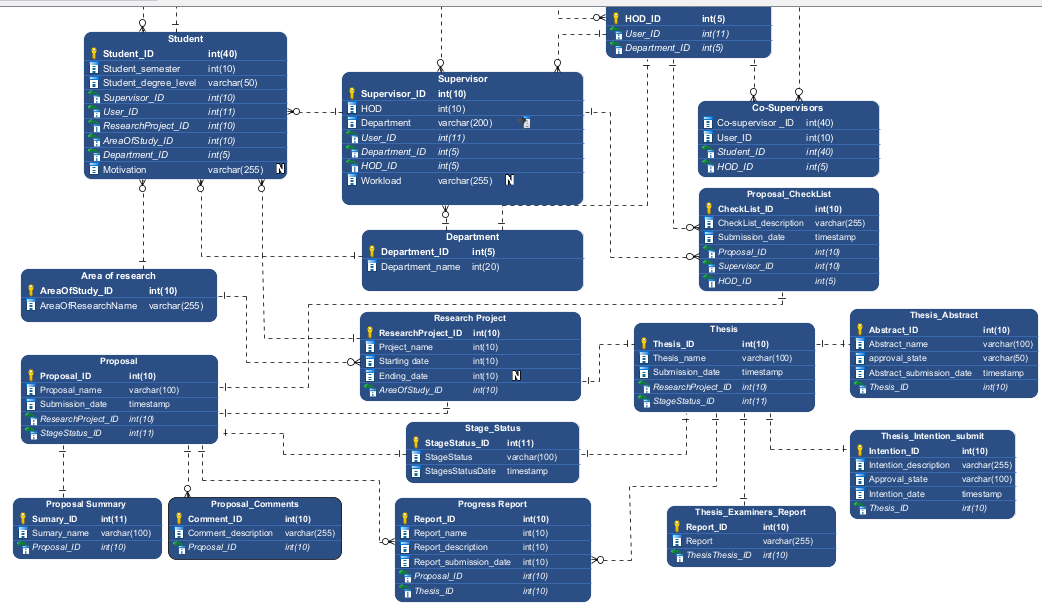
**Co-Supervisor**

**Student**

**HOD**

**Result of the database**

The picture bellow includes all entities relationship between them as well as their cardinality.

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