

# ASEC DEPLOYMENT REQUIREMENT

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# Project Description

The “AUN SECURITY MANAGEMENT SYSTEM,” is based on the automation of the university’s security department, proper inventory and keeping of its records, for efficient and effective usage when needed. It is uniquely centered on record reliability and also accessibility.

# Scope of Work/Target Objectives

* The system will keep records of employee/Security Staffs (employment Details).
* The system will keep records of student offences and also judicial case information handled or dealt with through the Security Department.
* The system will perform scheduling of security staffs across all the units of the AUN security department for all locations.
* The system will create access for employment application process and recruitments.
* The system will validate every individual entering the campus.
* The system will register as well as check visitors in and out.
* The system will be able to print various reports.

# Technical Challenges

* The effective and proper use of system to input data by security officials or personnel.
* Hardware functionality of the system.
* Amount of daily information gotten which needs to be logged will be extensive.
* Access to already existing university database records.

# Functional Requirements

* The basic system inputs are text (strings), doc files and also numerical values.
* The basic system outputs are printable records or document, etc.
* The system will store bio data information, student’s personal records, etc.
* The system computation is based on the processing of information from the presentation interface, insertion of data to the database, retrieval of data, etc.

***Quality Requirements (Sub Analysis of Technical Requirements)***

The system quality requirement is shown in the table below;

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| --- | --- |
| Attribute | Description |
| Maintainability | Maintenance and alterations to the system can be easily done. |
| Portability | The system can be moved and used from one environment or platform to another. |
| Reliability | The results shall be consistent every time in use. |
| Usability | Carrying out of operations can be done with ease and with all forms of simplicity when system is in use. |
| Efficiency | It performs its task correctly every time and it’s a flexible system for system proficiency level. |
| Functionality | The system performs the tasks as required by the system users and project owner to meet the users’ target. |
| Response time | The system shall carry out operations with minimum lag of 10ms. |
| Throughput | The system shall process at a speedily rate of about 1ms. |
| Resource usage | The system shall use very few resources during usage. |
| Recovery from failure | Recovery from hardware failure can be done by changing of hardware. Recovery from software failure can be done using windows recovery. This in terms of recovery from failure if any occurs will be just a re-login of the user into the system and it will be perfectly up. |

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# Technological Requirements

Network:

* Server Space
* Internal IP address
* DNS Server

Server Hardware:

* RAM Size: 8 Gigabyte.
* Storage: Minimum 250 – 500 Gigabyte.
* CPU: i5 or i7.

Client:

* Fully functionally Computer Systems (Laptops, Desktops) with Windows Operating Systems and web browsers, etc. that will be place at all security stations within campus.
* Card scanners (optional).

Server Software:

* Apache Web Server.
* MySQL Database or Oracle (Workbench).

Clients:

* Fully functionally Computer Systems (Laptops, Desktops) with Windows Operating Systems that will be place at all security stations within campus.
* Web browsers.

Access:

* Access to school database tables of Students, Staff, Faculty, Use Me Cab Drivers. (Needed before 15th June).

# Team Charter

**PROJECT TITLE:** AUN SECURITY MANAGEMENT SYSTEM (ASEC)

**PROJECT START DATE:** 4th June, 2015

**PROJECTED FINISH DATE:** 11th July, 2015

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| Roles | Executing Party |
| Project Supervisor | Dr. Charles Nche |
| Project Manager/System Analyst | Ubong Essien |
| Assistant Project Manager/System Analyst | Emmanuel Neberi |
| Lead Software Developer | Ezinwa Okpoechi |
| Software Developer | Chizzy Alaedu |
| Software Developer | Hamza Abdulmajid |
| Project Team | Dr. Charles Nche, Ezinwa Okpoechi, Hamza Abdulmajid, Chizzy Alaedu,  Ubong Essien, Emmanuel Neberi. |
| Stakeholders | All of the above, Dr. Lionel Rawlins, the AUN Security Department, End-users |

Financial Requirements**:**

The budget requirements of this project are as follows:

Deployment fee: This fee defines all the stakeholders implementing the additional functionalities and deployment.

* Stakeholders Fees (each): ₦ 50,000 X (4) persons = ₦ 200,000.
* Flight Transportation Expenses (3) persons.
* Accommodation and Feeding (3) persons throughout the duration.
* Miscellaneous expenses: ₦ 50,000.