# SOFTWARE REQUIREMENTS SPECIFICATION DOCUMENT FOR MANAGEMENT ADMISSION TRACK APP

## .INTRODUCTION

The title of the project is MANAGEMENT ADMISSION TRACK APP . This system can be used as a information of management admission for the college . The system is an online application that can be accessed throughout the organization and outside as well with proper login provided.

This document aims at overall software requirement for MANAGEMENT ADMISSION TRACK APP. Efforts have been made to define the requirements exhaustively and accurately. The final product will be having only features/functionalities mentioned in this document and assumptions for any additional functionality/feature should not be made by any of the parties involved in developing/testing/implementing /using this product.

### Purpose

This specification document describes the capabilities that will be provided by the software application MANAGEMENT ADMISSION TRACKING APP. It also states the various constraints by which the system will abide. The intended audience for this document are the development team, testing team and end users of the product.

### Scope

The application will manage the information about various students enrolled in this course in different years by the management quota, the Entrance Exam that they had given, Department they had opted for, the reference of the management member who had block the seat and fees committed by the student.

A clear, convincing and understandable dashboard needs to be set up to view the statistical representation of admission related data to all the admins and super admins. A well structured security aspect has to be included for different aspects of the application.

**Defination**

|  |  |
| --- | --- |
| Terms | Description |
| DBA | Database Administration |
| OS | Operating System |
| PWD | Password |
| UID | User Identification |
| DEPT | Department |
| UG | Under Graduate |
| PG | Post Graduate |
| DB | Database |

## OVERALL DESCRIPTION

A clear, convincing and understandable dashboard needs to be set up to view the statistical representation of admission related data to all the admins and super admins. A well structured security aspect has to be included for different aspects of the application.

### USER INTERFACES

1. Login screen for entering the Username, password, type of user (Registrar, Dean Admin and Principal) will be provided. Access will be based upon the role of the user.
2. A screen showing clear, convincing and understandable dashboard needs to be set up to view the statical representation of admission related data to all the admins and super admins.

### Hardware interfaces

1)Intel p4 processor with minimum 2GHz speed. 2)RAM: Minimum 1GB

3)Hard Disk: min 20GB

### Software interfaces

1. Visual Studio version 1.69
2. Service Pack for Windows 10 3)DB Server: SQL SERVER

4)OS: Window 10

### OPERATIONS

The DBA (Database Administrator) at client side will be responsible for manually deleting old/non required. Database backup and recovery will also be handled by the DBA.

The system will provide a Login system function that will allow only the authorized users to use the application.

### Product Functions

Depending upon the user role he/she will be able to access only the specific modules of the system.

The users of the system are as follows :

1. Registrar : Admin who manages the admissions data entry process.
2. Dean Admin : Super Admin who keeps track of admissions.
3. Principal : A person who monitors the admissions process with super admin privileges.

### User Characteristics

1) Users at University will have to implement a security policy to safeguard the related information from being modified by unauthorized users (by means of gaining access to backend DB).

2) It Should make sure about the security and should be reliable to the users i.e Registrar, Dean Admin and Principle.

### Assumptions And Dependencies

1. The Schema of the login form doesn’t change.
2. The admitted students should pay advance fees for the seat allocation.
3. The Admission of the student should be confirmed by the management member and all the Students Information should be verified.

## SPECIFIC REQUIREMENTS

### External Interfaces

1. User Interfaces

The following screens will be provided:

Login screen: This will be the first screen that will be displayed. It allows user to access different screens based upon the user role i.e. Registrar, Dean Academics and Principal. Various fields available on this screen will be

* 1. User id : Email or UID
  2. Password: Default password will be Provided to the users (User should change the default password after first login.)
  3. Role will have the following values: Registrar, Dean Academics and Principal.

1. Data Entry Screen for the Updating the Information

This screen will be accessible only to the Registrar. It will allow the user to enter the student information who has been Admitted to the College under Management seat.

1. Dean Admin Screen

This screen will be accessible only to the Dean Admin of each Branch. It will allow the user to enter the Batch Year for which the user wants the information of the students of their brach.

1. Principal Screen

This screen will be accessible only to the Principal of the Institution. It will allow the user to see the statistics of the Students who have been Admitted to the institution under management quota.

* 1. Statistics representing the Number of students admitted in the year with management quota.
  2. Provided with the choice to search for the student if he/she has been admitted under the management quota.
  3. Choice to view the complete Information about the student.

### System Features

Subject information maintenance

The system will maintain information about various students who have got admission in different branch. The following information will be maintained for each Branch:

A data entry form should be available to the user who is responsible for adding the admission related information into the platform.

The form should consist of the following information in common:

* Name
* Dept(Wish to opt)
* Phone number
* Address
* DoB
* Place
* Email address
* Qualifying Exam
* Entrance Exam Attempted
* PAN Number
* Fees Committed:
* Admission Date
* Seat Blockage (reference of Management member)
* Hostel Facility (Required / Not required)

*Specific input fields :*

* **UG :**
  + PCM %
* **PG**
  + Degree %
* **Lateral Entry:**
  + Diploma %

### Student Data Information Maintenance

The system will maintain information about the Students who have admitted to the college under Management seat for different year under government rules. The following information would be maintained: Name, Department, Phone Number, Address, Place, Email Address, Qualifying Exam, Entrance Exam Admitted, Pan Number, Fees Commited, Admission Date, Seat Blockage, Hostel Facility.

The system will allow creation/modification/deletion for the registrar of students information and also have the ability to list all the statistical details i.e Number of students in each branch who have been admitted to the college through management seats.

Validity check:

Only the user with role of Registrar, Dean Admin and Principal will be authorized to access the student Information maintenance module.

* + 1. Student Information can’t be partially filled, all the information of the student are mandatory.
    2. Each student should pay advance fees for the seat allocation.

### Management Admission Information Maintenance seen By Dean Admin and Principal

A system will maintain information about various users who will be able to access the system. The following information would be a maintained: User name, user ID,password ,Role.

VALIDITY CHECK:

1. Only user with role Dean Admin and Principal to access all the information where as the modification will be in the hand of Registrar.
2. User Name, Userld, Password, Role cannot be left blank
3. The number of the Students should be sorted according to the Branch-wise.

### Software System

Attributes

1. security: the application will be password protected. Users will have to enter correct information to access the application.
2. Maintainability: The application will be designed in a maintainable manner. It will be easy to incorporate new requirement in individual module.
3. Portability: The application will be easily portable

### Logical DB Requirements

The following information will be placed in DB

1)Student: Name, Department, Phone Number, Address, Place, Email Address, Qualifying Exam, Entrance Exam Admitted, Pan Number, Fees Commited, Admission Date, Seat Blockage, Hostel Facility.

1. Branch Info: Branch Name, Number of Admission Admitted
2. Fees Structure: Student ID , Fees Paid
3. User Account Info: UserName, User Id, password, role

# USE CASE DIAGRAM