

# A Research Paper on Institute Management System

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## Abstract

Institute Management is a comprehensive plugin to manage institute related activities such as courses, batches, enquiries, registrations, fees, students, staff, etc. It can display enquiry form in front-end or can create enquiry directly from admin panel. Student registrations can also be done on the basis of enquiries. It also allows the fee submission in installments. Nowadays, even a small institute have a large database to maintain. Initializing from there exam paper preparations to results, from student's detail to faculty attendance, from project reports to extra activities, a small institute even generated a big database even in a month. Thus, In order to maintain such database and even to handle such kind of large activities, we need to have some automatically working system, which does not require much labour work and can be done easily. This Institute Management System is being generated for such purpose only to maintain all the work power of an institute in a single database server. This model will also be able to solve the problem of time as the current system is very time consuming and this project is being developed keeping in mind the time problem.

## Introduction.

The "Institute Management System" is based on managing the records of an institute and managing the records of all the students and Staff. The first activity is based on entering the students and Staff as soon as their admission is done. A unique register number is given to that particular for his identification. The system also maintains attendance details of a particular student. Admission form can be

printed and data can be exported to excel using SAP Crystal Report. It display's all the records. Salary Slip can be generated and Completion of Certificate can also be generated. The second activity is based on managing the institute. The system keeps the record of the fee payment done by each student. It also records the information and salary to be paid to each staff members. Admin has the authority to add details and new admin when needed. And he also has the right to edit or delete those information to/from the list. All the information's are being saved in the database.

## Existing System

In existing Institute Management System, all the sections have their separate files that too is kept in documents. All the sections have to be maintained manually and information have to store by hands. In existing system, a bundle of files are maintained for every section which in results makes a cluster of files of only one section even. Existing system takes too much time to update the details but still results in less accurate work as compared to the given details. Existing system even have an increase the chances of losing files even.

## Proposed System

In the proposed Institute Management System, everything is designing and developing in such a way that it works automatically. Every part of the regular activities going on in an institution. All the database of the attendance is created and is stored in the database automatically.

In current project we can print the certificates as-well as salary slip will get generate we can see in the project the expenses option.

For fees we have disabled the edit and delete option so that no one can modify the details in the database.

If we see the current project we have some drawbacks as well as many features added in the project

## Tools Used for Development:

Microsoft SQL Server Management Studio  
Visual Studio 2017, Sap Crystal Report

### Software Requirements:

Windows 64-bit system

### Hardware Requirements:

Processor: Minimum 1.2 GHz Intel Pentium IV or equivalent

Memory: Minimum 2 GB

Disk space: Minimum 1 GB of free disk space

## Overview of Document

This document describes the product and its requirements and constraints. It provides a primarily non-technical description of the project targeted towards external audiences. This section includes information such as data requirements, functional requirements, and a general description of the product and its interaction with users from the perspective of the client. Section 3 provides specific technical requirements as the team understands them at this time and is intended for an internal audience. This section includes information such as external interface requirements, performance requirements, and any other technical requirements needed to design the software

## Product Perspective

1.Login Page – In login Page we have to enter the fields Username and Password.

2. Progress-

3.Dashoboad has all the form required in the working of Institute.

AdmissionForm	Date, Student Id, Name, Date of Birth, Gender ,
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	Mobile, e-mail, Address, Course, Fees, Duration, Faculty, Batch Time, Status, Date, Place
Courses	Course Id, Name, Duration Fees.
Teachers	Teacher Id, Name, Qualification, Subject, Salary, Mobile , Address.
Fees Receipt	Receipt No, Date, Name, Course, Total Fees, Paid, Balance, Due Date, Pay Modes, Trans-Id.
Certificate	Student Id, Certificate No, Name, Duration, Course, From To, Institute, Date of Issue, Status.
Campus	Campus Id, Date, Company, Address, Job Location, Role, Salary, Status.
Expense	Expense Id, Date, Exp-By Description, Amount.
Administration	User id, User-Name, Password.
Attendance	Id, Attendance, Date, Member Type, Atten-by.
Salary	Sr-No, Name, Joining date, Role, Basic-Salary , Deduction, Net Salary, Bank/AcNo, Bank/IFSC, SalaryMonth, Date, SalaryStatus.

4.These are some of the forms on Dashboard.

### Database Tables and values.

tbl_attendance_master	
tbl_campus_master	
tbl_Certificates_master	
tbl_courses_master	
tbl_enquiry_master	
tbl_expenses_master	
tbl_fees_master	
tbl_salary_master	
tbl_student_master	
tbl_teachers_master	
tbl_users_master	

## Literature Review

The system provides guidance to the admin to keep track of each student. The admin have the access to the database of system. In an educational institute management is crucial thing. So in order to reduce the efforts of staff

we are introducing our system. The system comes on with much functionality like voting event details, feedback, news line etc. It provides a additional feature newlines that helps the student to get department newlines and reports (achievements, toppers). It also provide the voting feature so that manual work is reduced. This system is paperless system. System provides functionality for student to application where in admin can manage, student can access uploaded notes, course details. Student will get the event details through sms. Overall manpower and reduces the time required.

## Research Gap

1.Institute Management System by Acharya Institute of Technology in year 2019. System introduced in year 2019.

### Proposed System in 2019

The design and implementation of the system is to provide service in institute and Institutes. The system is to provide comprehensive student information system and user interface is to replace the current paper records. Institute Staff uploads attendance, results, share subject notes and Institute notifications through a secure, online interface using android devices. All data will be stored on the collage server and validated on the server before actual record alteration occurs. The system plans for student user interface, allowing students to access tips and tricks as provided by their seniors. All data is stored securely on SQL servers managed by the Institute Administrator.

2.Institute Management System International Research of Engineering and Technology 2022. System introduced in year 2022.

### Proposed System in 2022

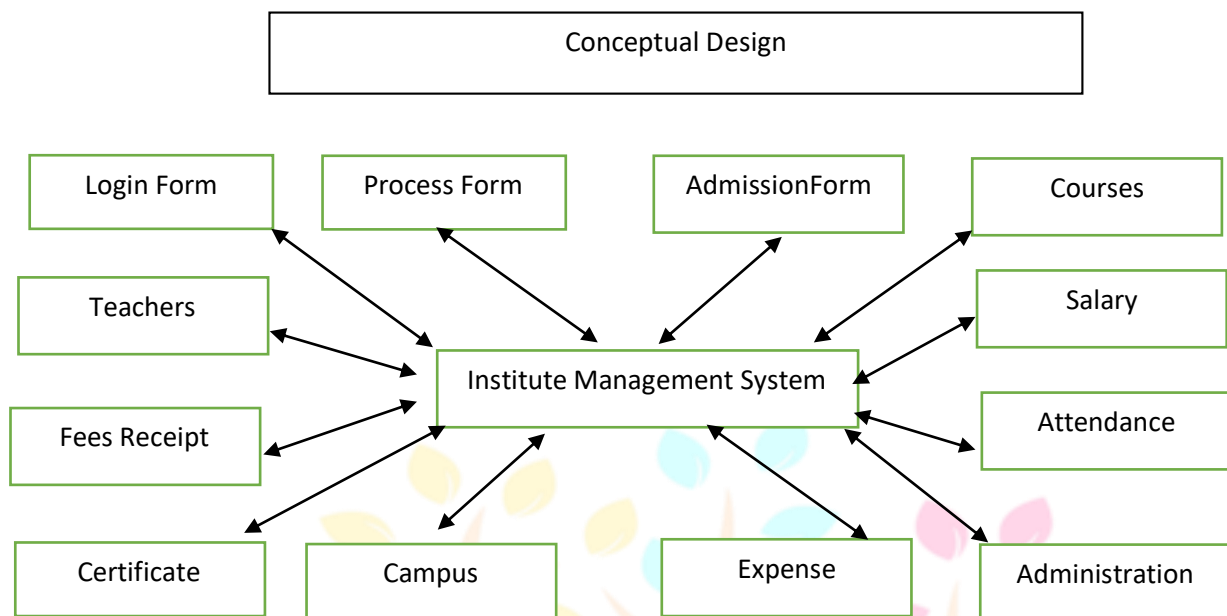
We designed a mobile application for an educational institute that incorporates online class administration, storing all student records and reports to provide an analysis of

their growth, and providing students with the ability to get answers to their questions.

3.Institute Management System by BTKIT Dwarahat Almora , Uttarakhand in year 20. System introduced in year 20.

### Proposed System in 2021

The title of the project is “INSTITUTE MANAGEMENT SYSTEM” (IMS). IMS is defined as an application based on Intranet that aims to all the levels of management providing information within an organization. This system can be used as a information management system for the INSTITUTE. For a given student/staff (Technical/ Non-technical) the Administrator creates login id & password, using these student/ staff (Technical / Non-technical) can access the system to either upload or download some information from the database development environment and Oracle10g as database.



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## Institute Management Features

**Admission Form** - Admission Form has all the details related Mobile No, Fees, Duration, etc.

**Course Management** -Add Courses, their durations and fees.

**Batch Management** – Add new batches to a course or edit them.

**Enquiry Management** – Receive enquiry from front-end or add it from admin panel directly.

**Student Management** – Register a new student for a course, which can also be done from the enquiry. Then, enquiry can be removed or marked as inactive. Also, mark the course as completed

**Fee Management** – Easy to manage fee, shows pending fees, supports payment in installments for a student enrolled in a course.

**Access Control** – Assign task to an administrator having certain permissions to perform the task.

**Dashboard** – View popular courses, recent enquiries and number of active courses, batches, students, enquiries, etc.

## Conclusion

The project entitled as INSTITUTE Management System is the system that deals with the issues related to a particular institution. This project is successfully implemented with all the features mentioned in system requirements specification. The application provides appropriate information to users according to the chosen service. The project is designed keeping in view the day to day problems faced by a INSTITUTE.

## References

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