**Detailed Design**

1. **Introduction:**

The purpose of preparing this document is to explain complete design details of School Management System. This detailed design report will mainly contain the general definition and features of the project, design constraints, the overall system architecture and data architecture. Additionally, a brief explanation about our current progress and schedule of the project will be provided in related sections. Design of the system and subsystems/modules will be explained both verbally and visually by means of diagrams in order to help the programmer to understand all information stated in this document correctly and easily.

1. **Applicable documents:**

The documents used during detailed design are

* System Requirements Document
* System Design
* Database Design

1. **Structure of the software package** **:**

The Components are –

* + **Admission module**: Admission Management allows you to manage the admissions of all the students easily along with student’s basic details, family information, previous school details, transfer and birth certificate and report card with passport sized photo. Online registration is available for students.
  + **Attendance module**: The Attendance module is designed for teachers to be able take attendance during class, and for students to be able to view their own attendance record. A teacher can mark the attendance status of a student as "Present" or "Absent". The Attendance module can generate reports for either the entire class or for individual students. Students may also see their own attendance record.
  + **Library module**: This module stores all book details. The students can purchase books through this system. This system also stores purchase and sales inventory.
  + **Certificate module**: This module generates different kinds of certificates.
  + **Exam result module**: Exam result Module is specially designed to make the work of Result Preparation. The system calculates total marks and result automatically.
  + **Fees management module**: With the help of this module employees can easily manage student fee collection and maintain fees related data. Fees collection can be possible in cash or cheque both the way.
  + **Dashboard module**: This module is for administrator, staff and teachers. Administrator has full authority of the system. Admin is the super user of the website.
  + **Settings module:** In the settings module the administrator can add or delete fees types, course details, subject details, etc.
  + **Faculty control panel:** The administrator has option to add new faculty records. The system will send login details to the faculties.

1. **Modular Decomposition Of Components:**

**4.1. User Component:**

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**4.2. User registration Component:**

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**4.3. Admission Component:**

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**4.4. Library Component:**

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**4.5. Fees Component:**

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**4.6. Certificate Component:**

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**4.7. Settings Component:**

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**4.8. Exam Component:**

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**4.9. Attendance Component:**

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