**Experiment No. 01**

**Aim:- To perform Requirement Analysis of College Management**

**Overview:-**

College management system is an integrated web application that handles various academic and non academic activities of a College/Academic Institute. The system can access by every students/faculties/employees of the institution through internet connected computers or internet enabled mobile devices with the aid of his user name and password. Every user will have a customized home page with his/her profile management facilities. Through links that displays in the home page the user can access different options of the website assigned to him.Though the system allows access to every one there is a significant security risk involved in this project. To tackle this problem we suggest a modular structure in the proposed system and a complete isolation of the financial and administrative modules from the public portal. Only trusted IPs can access these modules. Web services will interact to the financial and administrative modules to fetch necessary information to display in the public portal.

**Problem Statement:-**

The existing system which we using in our college is traditional process is a complete manual process. Now-a-days, education is playing very significant role in the society. Day-by-day, the percentage of illiterates are decreasing and the percentage of literates is increasing. Education will change the society in all the aspects and everyone wants to study higher professional degrees. Admissions are increasing day by day so there by ratio of establishment new colleges and schools are also increasing. But the actual challenge is starting from now. Most of the schools and colleges are maintain student information in records. When the number of records increased, it is difficult to maintain the information of each student in the old manual system. Maintaining the records manually leads to error prone and required more man power and it consumes more time for processing the records.

**System Requirement:-**

Many academic institutes have adopted Online College Management Software because it helps in an effective two-way interaction between colleges teaching staff and the parents. The college management software should satisfy this basic requirement effectively. It must include student- parent login so that parents can actively track down their child activities and can receive and send notifications frequently to the college regarding any query or information with respect to their children’s academic progress.

**Features:-**

**1. Enquiry Management :-** This module will help you to make the enquiry system more efficient in terms of follow up & enhance utilization of time of management as it works on self automated system. Since admission depends up on the no. of enquiry & how it is being handled & followed up on time.

**2. Students Management : -** The student module enables you to store all personal, academic, professional and history data regarding a student, his/her parents, and his/her siblings.

**3. Fees Management :-** The fee module enables you to maintain registers of fee receipts and outstanding amounts on a student/class basis. The fee module has a configurable structure for different fee head, and its calculations thereof. This module also provisions for fee waivers and optional fees.

**4. Expense Management :-** This is one of the very important modules for the management of whole expense of an organization. Institute can manage whole expense and get the number of reports on daily, weekly and monthly bases.

**6. SMS Module :-** This Module in very much useful to deliver the important information to students, parents, staff, etc.. And this module canbe attached with some other module like attendance, examination, fee, staff, etc.

**7. User Management :-** This module is used by the administrator to prevent unauthorized access to the system. Any user logging into the system can access only those functions for which he/she has been granted rights for.

**8. Manage Attendance :-** This module is very much helpful to manage attendance of students of all courses & batches. Absentee remarks can be managed very easily.

**9. Staff :-** This module is very much helpful to manage all staffs personal information & information can be updated time to time as per requirement.

**Conclusion:-**

The proposed college student management system is organized in a hierarchical way, including: Web display layer, Business logic layer, Data access layer, and Database layer. ER diagram of the college student management system is described as well. In the end, functional module design for college student management system is discussed.