

## ANNEXURE - I

### COLLEGE MANAGEMENT SOFTWARE SPECIFICATIONS:

The structure of the program should involve several modules which will carry out different sets of functionalities. The program should have the following modules/functionalities.

#### Basic Module Required in the Proposed System

##### **Modules:**

##### **User login System**

The software need to be designed to work in a **user specific** manner. **Principal, HOD, Dean, Staff adviser, Students, Parents, Teaching staff, Course coordinators, Office staff, Librarian and Managements** have their **separate logins** (There should be a provision to provide additional logins according to the request of the college). For each login, the system should perform only the functionalities corresponding to that particular login.

##### **User-Administrator- Features**

The general features should include Course creation, Batch creation, Syllabus display, Student management, Staff management, User rights management, Time table generation, Report generation including academic reports, facility to export to pdf, csv and word formats, Website administration and managements, Alumni Database management, SMS alerts, Emails, Internal messaging system, Campus news/bulletins issue, Exam schedules, Hall ticket generation, Exam results display, Parent interaction, ID card generation, Software login statistics, Graphical Analysis and Leave processing.

It should be able to facilitate suspension of classes and periods, customized attendance locking, display attendance defaulters and Software user login statistics

##### **User- Faculty - Features**

Features such as attendance marking, Course outcome entry, academic Statistics Graphical Analysis, Student remarks, Parent interaction, Exam calendar, Exam scheduler, Exam Results, Internal marks, Evaluations, Digital Notice board, Remarks, Reviews, Time table, Calendar notifications, Performance comparison, Question bank, Question paper preparation, Assignments and Report generation, Study Materials, Subject Coverage, Subject Plan, Subject Syllabus, Subject Year Calendar, Course Diary creation, Substitutions, Special Class creation, SMS alerts, Internal messaging system and Emails should be available.

##### **User- Student - Features**

Such features such include Attendance details, Exam Results, Study materials, Student activity corner, Calendar notifications, Home works, Question bank, Syllabus, News and events, Remarks, Reviews, Internal assessments, SMS alerts, Internal messaging system and Emails.

**User- Parent - Features**

Attendance details, Student leave applying control, Exam Results, Study materials, Student activity corner, Calendar notifications, Home works, Question bank, Syllabus, News and events, Remarks, Reviews, Internal assessments, SMS alerts, Internal messaging system and Emails should be available in this module

**User- Librarian - Features**

Features such as acquisition of books, Master file management, Library catalogue, Library card generation, Bar code integration, Categorization, Shelving, Digital media/magazine /reference support, Advanced searching, Report generation, Reservation, Member add/manage, Purchase order, Stock verification, Inventory, Calendar, Reminder, Notification, SMS alert, Suggestion area, Overdue list, Issue, Renew and Return should be available

**User- Placement Coordinator - Features**

Placement coordinator should be able to sort students according to internal mark filters, university mark filters, backlogs, number of attempts to pass, total attempts, Student profile generation, Campus Drive details, Student Report Generation.

**Student Admission Module:**

Student online registration, Verification, Batch assigning, Admitting (admission no generation using desired criteria), Approval, Document submission and Report generation should be available in this mode.

**University (KTU) Integration Module:**

The module should be capable to fulfill the requirement KTU records to be imported/uploaded in the form of Excel or XML. Should be capable to produce reports according to requirement of University

**Integration Module:**

The module should be capable to fulfill the requirement KTU records to be uploaded in the form of Excel or XML

**Examination Wing Management:**

The module should be capable to manage the duty and hall arrangement according to the registration details provided or imported from university and from the information taken from other modules.