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| Created by | Sengu | |  | |  |

**Software Requirements Specification**

**Document**

**I2 Software Tech Solutions Private Limited**

Prepared by

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Version: (1.1) Date: (05/07/2014)

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| **Approver Name** | **Title** | **Signature** | **Date** |
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* **Introduction**
* **Purpose**

The main purpose of this project is to make the education system in india digitalised. And also burden for the students such as photocopying notes and updating their internal marks, submission of assignments, payment of fees, search for the particular books from the local vendor, checking their attendance and also keeping posted of the college events in the neighbouring colleges are made easy through this. We are bringing down all of this to a single portal.

**1.2 Scope**

The scope for this project is much more high. Students are the key population in india. Aiming them is a good way of increasing their scope and success of this product. There are also few competitors in this field but no one has ever made an attempt to implement this in a full fledged manner

* **Description**

The project is hosted through a website rather than installing through software based. The main advantage of this is no one can crack it through technical glitches. Keeping server always up depends on the traffic we receive. We are sure that server size will expand drastically as the product acquires more traffic.

* **Module Description**

**Administrator**

* Create **Department/Designation/group** Details.
* Create **Staff** should be done by the admin persons.
* To give **“Master Rights”** to all the staff level users (Ex. Create Students, Share Notes, Add Internal Marks, Assignment, Attendance, Accounts, Library, etc..)
* **Appearance** for the admin login scenario **(Profile Settings)**
* **View-** Student, Staff and log details
* **Chat**
* **Reports- Assignments, Internal, Attendance, CGPA Calculation** and **Fees** Details
* **Update** College **Events** and **Functions**
* **Tickets (**Option if we need)

**Staff**

* Create **Student** should be done by the Staff persons.
* **Sharing Notes** (Staff only can able to update the notes- Options displays **Add, View, Edit and Delete**)
* Update **Time Table** (**Class** Time Table/ **Exam** Time Table(Internal/Semester))
* **Fees Collection** (Account Department staff only access this Module)
* **Internal Marks** (Update mark details as a Subject wise)
* Select **Batch/Department/Group/Subject**
* Enter **Marks** and **Save** the mark details
* **Retest Marks** to be enter here
* **Create Assignment** Question & Due Date, **Assignment Verification** (Group wise update)
* **Attendance**
* **CGPA Calculation**
* **Book Details from local vendor**
* **Library book details**
* Update **College Events and Functions** (View & Participate option to be display here)
* **Appearance for each login (Profile Settings)**
* **Chat** option for group members
* **Reports- Assignments, Internal, Attendance** and **Fees** Details

**Student**

* **Login** (valid credentials)
* **Dashboard** (Modules, Profile Settings, Events & Functions, Recent Updated News/Notes/Assignment work, Chat Notifications)
* **Students** can be view/Download the **shared notes** (The students to share notes among particular individuals through **Mail ID)**
* View/Update Fees details
* View **Time Table** (**Class** Time Table/ **Exam** Time Table)
* Internal Marks (View and Download)
* View **Assignment Questions** & **Assignment Submission** (Enter Assignment work and send to the subject staff)
* Attendance (View)
* CGPA calculation (View/Download)
* **Library** Book Details
* **College Events & Functions** (View & Participate option to be display here)
* **Appearance For each login**
* **Chat**
* **Overall** screen for students
* **Administrator**
* **Batch**

Admin can able to add **Batch** details here like (2013-2015, 2014-2016, Etc…)

Fields are,

* Select Batch (Date Picker, From –To)
* Save
* Cancel

**Scenarios are,**

* Add Batch
* Manage Batch (View/Edit/Delete)
* **Department**

Admin can able to add **department** details here like (ECE, EEE, CIVIL, IT, MECH, CSE, PRINCIPAL, DEAN, PHYSICAL EDUCATION, Dept of Humanities-Maths, Physics, Chemistry & English, ACCOUNTS, Etc…)

Fields are,

* Add Department (Alphanumeric space characters)
* Save
* Cancel

**Scenarios are,**

* Add Department
* Manage Department (View/Edit/Delete)
* **Designation**

Admin can able to add **designation** details here like we select,

* Prof
* Associate Prof
* Asst Prof
* Sr.Lecturer
* Lecturer
* Etc…

Fields are,

* Select Department
* Add Designation (Alphanumeric space characters)
* Save
* Cancel

**Scenarios are,**

* Add Designation
* Manage Designation (View/Edit/Delete)
* **Group**

Admin can able to Create **Group** details here (Students Purpose),

* EEE- Group EEE-A
* EEE- Group EEE-B
* ECE- Group ECE-A
* ECE- Group ECE-B
* CSE- Group CSE-A
* CSE- Group CSE-B
* Etc….

Fields are,

* Select Batch (Date Picker)
* Select department
* Add Group Name (Alphanumeric space characters)
* Save
* Cancel

**Scenarios are,**

* Add Group
* Manage Group (Add/View/Edit/Delete)
* **Create Staff**

Admin can able to create **Staff** details and the fields are,

* Staff Name (Alpha space characters, Min 3-Max 20 characters)
* Address (Alphanumeric space characters, Special characters also like .,/())
* Postal Code (Numerical characters)
* Country (Alpha space characters)
* Nationality (Alpha space characters)
* Gender (Male/Female – Radio button to be display here)
* Joining Date (Date picker should be display here)
* Termination Date (Date Picker should be display here)
* Mobile No (Numerical characters)
* Phone No (Numerical characters)
* D.O.B (Date Picker)
* Email (Accept Valid Email Address only)
* Department (Drop down list box)
* Designation (Drop down list box)
* Username
* Password
* **Image Upload** (JPEG, PNG, Etc….)
* **Active/Block** Option to be display here (Radio Button)

**Scenarios are,**

* Add Staff
* Manage Staff (Add/View/Edit/Delete)
* **View**
* **Staff** details
* **Student** details
* **Public Events/Functions**
* **Staff/Student** Log Details
* **Reports**
* **Assignment Marks**

Fields are

* Select Batch (like 2013-2015)
* Select Department
* Select Group
* Select Semester
* View/Download the Assignment Marks Details
* **Internal Marks** Details

Fields are

* Select Batch (like 2013-2015)
* Select Department
* Select Group
* Select Semester
* View/Download the Internal Marks Details
* **Attendance Details** For All Department/Group students

Fields are

* Select Batch (like 2013-2015)
* Select Department
* Select Group
* Select Semester
* View/Download the Attendance Mark Details
* **CGPA Calculation**
* **Master Rights**
* **Staff**
* Create Student (Account Dept staff only)
* Add Event/Functions
* Time Table
* Internal Mark
* Assignment Mark
* Attendance
* Sharing Notes
* Fees Details
* Library
* Chat & Update Event Details

Fields are,

* Select Department
* Select User (Staff)-Drop down list box should be display here
* Give the Master Rights to that User (Staff)
* Save
* Cancel
* **Chat**
* Search & Sent Friend Requests to Staff & Students
* Search Friends (Name/Email Id/ID No-if we need)
* Add Friend Option to be display
* Notifications
* No of Notification details to be display here (Notification Symbol to be display here)
* Click that button, Display all notification details
* Messages
* No of Message Details to be display here (Message symbol to be display here)
* Reply Message option
* chat
* Personal Settings
* Change their personal profile settings
* View Friends Lists
* Updated Images
* Photos
* Fields are,
* Name
* Image
* D.O.B
* Gender
* Mobile No
* Email ID
* Best Quotes
* Interested In
* Designation-Admin
* College ID No
* Display Online/Offline Friends
* Display unique symbol for Online/Offline friends
* **Profile Settings**

Admin can able to **Edit** Personal details and the fields are,

* Admin Name
* Address
* Postal Code
* Country
* Nationality
* Gender
* Joining Date (Date picker should be display here)
* Termination Date (Date Picker should be display here)
* Mobile No
* Phone No
* D.O.B
* Email (Accept Valid Email Address only)
* **Image Upload** (Change & Remove option to be display here)
* **Update College Events & Functions**

Admin can able to update the college Events/Functions/News details

* Events/Functions/News
* Upload Images (Not a Mandatory)
* Event/Function Name
* Type--Department/Group/Public
* Venue
* Date
* Save & Reset
* **Tickets (Option If need)**

View all the raised Tickets (Staff/Students)

* **Logout**
* **Staff**

**1. Create Student**

* Student Name (Alpha space characters)
* Student ID (College)
* D.O.B (Date Picker)
* Contact No (Numerical Characters)
* Batch (Like 2013-2016, Select Option to be display here)
* Year (Calendar Picker to be display here)
* Dept- Select drop down list to be display here, like EEE, ECE, CSE…
* Section- Select Drop down list to be display here, like EEE-A, EEE-B….
* Email ID (Accept Valid Email Address)
* User Name (Alpha space Characters)
* Password (Alphanumerical Characters)
* Gender-Radio Button to be display here with Male & Female options
* Address (Alphanumeric space characters, Special characters also like .,/())
* City (Alphanumeric space characters, Special characters also like .,/())
* State (Alphanumeric space characters, Special characters also like .,/())
* Country (Alphanumeric space characters, Special characters also like .,/())
* Postal code (Numerical Characters)
* Qualification
* Image Upload

(**Save & Reset** Button to be display in this scenario)

**2. Sharing Notes**

Staff can be able to share the notes, Shared Notes details to be displays the staff’s/student’s Dashboard

* Fields are,
* Notes Title
* Date
* Subject Name
* Dept
* Group/Public (Drop down lists to be display)
* Save & Reset

**3. Update Time Table**

* Staff can able to update the Class Time Table, Internal and Semester Timetable here.

Class Time Table

* Select Batch
* Select Department
* Select Group
* Select Hours and days
* Update Details
* Save & Cancel

Scenarios are,

* Add Class Time Table
* Manage Time Table (Add/View/Edit/Delete)

Internal/Semester Exam Time Table

* Select Batch
* Select Department
* Select Group
* Update Exam Details
* Subject Name
* Date
* Time/Session
* Save & Cancel

Scenarios are,

* Add Internal Exam Time Table
* Manage Time Table (Add/View/Edit/Delete)
* View/Download option if we need

**4. Fees Collection**

* Accounts Dept staff only can be access this **Module**
* Update Fees Details for every Semester/Year
* Published due date to the fees details, like Exam fees, Bus fees, College fees etc…

Fields are, (need to analyze the fields)

* Student Name
* Address
* City
* Stud ID
* State
* Country
* Email ID
* Contact No
* Payment Details (Payment Mode-Cash, Cheque and Demand draft)
* DD/Cheque No
* Drawn on Bank name
* Payable at

Published Details

* Fees Type (like Exam fees, College fees etc)
* Description
* Updated Date
* Due date
* Save & Cancel
* **Internal Marks**

This feature allows the user to keep track of his current semester internals mark in his particular database. The columns for this can be created by the number if subjects he is currently enrolled to in a particular semester. The internals mark should be uploaded by the respective professor. This should be published publicly to the group.

It is like professor can give a notification that marks for the respective subject has been posted and asking the students to check for this and also students can see their previous internal marks too so that they can calculate the overall internal marks. At the end of each semester, our particular team erases the particular old content and should be made ready for the next semester

Scenario’s are,

* Add Internal Exam marks
* Select Batch
* Select Department
* Select Group
* Select Type (Int 1, Int 2, Int 3 Etc..)
* Manage Internal Mark details (Add/View/Edit/Delete)
* **Assignment Verification**

This allows students to submit the digital copy of the assignment before the due date. Copy and paste option should be disabled. We provide a text field where the assignment is typed. The assignment once done can submit only to the professor stopping them to be shared in the group. Assignment marks will be uploaded by the professor. The professor will be able to download the assignment sent to him in DOC format.