

# Institution Management System requirements

(Ver 2.2)

This product will help to automate the educational institution processes. There are different interconnected or independent modules which will be used for the complete product. The modules are

## 1. Admin

Admin module manages the whole users in the system and is the one which creates different entities for the smooth functioning of the application. In this module, there will be capabilities added so that the institutions can add new groups without depending on any third party or the development/supporting company.

## 2. Admission Module

### 2.1. Admission Interests - This is the Summary View

- 2.1.1. Search by "Academic Session", "Class"
  - 2.1.1.1. Add Search button.
- 2.1.2. List of Admission Interest
  - 2.1.2.1. Parent Name
  - 2.1.2.2. Child Name
  - 2.1.2.3. Date Of Enquiry
  - 2.1.2.4. Time of Enquiry
  - 2.1.2.5. Sibling Present
  - 2.1.2.6. Status (Rejected,Waiting,Accepted)
  - 2.1.2.7. Details - "Open Link"
- 2.1.3. Detail of an Enquiry
  - 2.1.3.1. Parent Name
    - 2.1.3.1.1. First Name
    - 2.1.3.1.2. Middle Name
    - 2.1.3.1.3. Last Name
  - 2.1.3.2. Student Details
    - 2.1.3.2.1. First Name
    - 2.1.3.2.2. Middle Name
    - 2.1.3.2.3. Last Name
  - 2.1.3.3. Student Date Of Birth
  - 2.1.3.4. Academic Session Applied
  - 2.1.3.5. Class
  - 2.1.3.6. Sibling Details (If Present)
    - 2.1.3.6.1. First Name
    - 2.1.3.6.2. Middle Name
    - 2.1.3.6.3. Last Name
  - 2.1.3.7. Sibling Class-Section
  - 2.1.3.8. Contact Number
  - 2.1.3.9. Email
  - 2.1.3.10. Referred by whom

- 2.1.3.11. Comments
  - 2.1.3.12. “Accept”, “Reject” buttons
- 2.2. Submit Admission Interest**
  - 2.2.1. Parent Name**
    - 2.2.1.1. First Name
    - 2.2.1.2. Middle Name
    - 2.2.1.3. Last Name
  - 2.2.2. Student Details
    - 2.2.2.1. First Name
    - 2.2.2.2. Middle Name
    - 2.2.2.3. Last Name
  - 2.2.3. Student Date Of Birth
  - 2.2.4. Academic Session Applied (Drop Down)
  - 2.2.5. Class (Drop Down)
  - 2.2.6. Sibling Details (Optional)
    - 2.2.6.1. First Name
    - 2.2.6.2. Middle Name
    - 2.2.6.3. Last Name
  - 2.2.7. Sibling Class-Section
  - 2.2.8. Contact Number
  - 2.2.9. Email
  - 2.2.10. Referred by whom
  - 2.2.11. Comments
  - 2.2.12. “Submit” button
- 2.3. Onboarding Module**
  - 2.3.1. Employee**
    - 2.3.1.1. Employee details section
      - 2.3.1.1.1. Department
      - 2.3.1.1.2. Subjects(Applicable only for Teachers) dropdown with multiple selection.
      - 2.3.1.1.3. Designation
      - 2.3.1.1.4. Role (dropdown of roles)
      - 2.3.1.1.5. Date of Joining
      - 2.3.1.1.6. Name
        - 2.3.1.1.6.1. Last Name
        - 2.3.1.1.6.2. Middle Name
        - 2.3.1.1.6.3. First Name
      - 2.3.1.1.7. Gender(Male/Female) (dropdown list)
      - 2.3.1.1.8. Date Of Birth
      - 2.3.1.1.9. Address
        - 2.3.1.1.9.1. Current Address ( Address Line 1, Line 2, City, State, PIN Code, Country)
        - 2.3.1.1.9.2. Permanent Address ( Address Line 1, Line 2, City, State, PIN Code, Country)
      - 2.3.1.1.10. Phone Number
      - 2.3.1.1.11. Blood Group

- 2.3.1.1.12. Nationality
- 2.3.1.1.13. Passport No
- 2.3.1.1.14. Passport Expiry Date
- 2.3.1.1.15. TAX ID/PAN Card
- 2.3.1.1.16. AadharCard No
- 2.3.1.1.17. Religion
- 2.3.1.1.18. Marital Status
- 2.3.1.1.19. Spouse Details
  - 2.3.1.1.19.1. Spouse Full Name
- 2.3.1.1.20. Parents Details :
  - 2.3.1.1.20.1. Mother's Full Name
  - 2.3.1.1.20.2. Father's Full Name
- 2.3.1.1.21. Educational Qualification (From Secondary School Certificate to higher degree) repeating using (“+”, “-”
  - 2.3.1.1.21.1. Qualification attained
  - 2.3.1.1.21.2. Course Name
  - 2.3.1.1.21.3. College/University Name
  - 2.3.1.1.21.4. Period of education
    - 2.3.1.1.21.4.1. Start Month-Year
    - 2.3.1.1.21.4.2. End Month-Year
- 2.3.1.1.22. Documents Upload :
  - 2.3.1.1.22.1.1. Photo - 2 Passport Size
  - 2.3.1.1.22.1.2. Birth Certificate
  - 2.3.1.1.22.1.3. Aadhar card
  - 2.3.1.1.22.1.4. Tax Identification
  - 2.3.1.1.22.1.5. Passport
  - 2.3.1.1.22.1.6. Certificates
- 2.3.1.1.23. Declaration
- 2.3.1.1.24. Submit button

## **2.3.2. Admin View of Employee detail**

- 2.3.2.1. Search by Name or ID
  - 2.3.2.1.1. List of employees
    - 2.3.2.1.1.1. ID
    - 2.3.2.1.1.2. Name
    - 2.3.2.1.1.3. Status
    - 2.3.2.1.1.4. “Open”
      - 2.3.2.1.1.4.1. Display the same information from Employee onboarding Form ( All fields editable).
      - 2.3.2.1.1.4.1.1. Employee ID will be displayed on top.
      - 2.3.2.1.1.4.1.2. Login ID
      - 2.3.2.1.1.4.1.3. Designation
      - 2.3.2.1.1.4.1.4. After Role Name, Keep a checkbox “Make Admin”

- 2.3.2.1.1.4.1.5. Status (dropdown of “Applied”, “Inactive”, “Active”)
- 2.3.2.1.1.4.1.5.1. If Changed, we need to show confirmation popup to collect the reason.
- 2.3.2.1.1.4.1.5.2. Option to upload file [Optional]
- 2.3.2.1.1.4.1.5.3. Backend will generate UserId when Admin change the status to “Active”
- 2.3.2.1.1.4.1.6. Submit button.

### **2.3.3. Student Onboarding**

- 2.3.3.1. Class
- 2.3.3.2. Section
- 2.3.3.3. Date of Joining
- 2.3.3.4. Student Details :
  - 2.3.3.4.1. Name
    - 2.3.3.4.1.1. Last Name
    - 2.3.3.4.1.2. Middle Name
    - 2.3.3.4.1.3. First Name
  - 2.3.3.4.2. Gender(Male/Female)
  - 2.3.3.4.3. Date Of Birth
  - 2.3.3.4.4. Address
    - 2.3.3.4.4.1. Current Address ( Address Line 1, Line 2, City, State, PIN Code, Country)
    - 2.3.3.4.4.2. Permanent Address ( Address Line 1, Line 2, City, State, PIN Code, Country)
  - 2.3.3.4.5. Blood Group
  - 2.3.3.4.6. Nationality
  - 2.3.3.4.7. Passport No
  - 2.3.3.4.8. Passport Expiry Date
  - 2.3.3.4.9. AadharCard No
  - 2.3.3.4.10. Religion
  - 2.3.3.4.11. Height
  - 2.3.3.4.12. Weight
  - 2.3.3.4.13. Sibling Details
    - 2.3.3.4.13.1. Name
      - 2.3.3.4.13.1.1. Last Name, Middle Name, First Name
    - 2.3.3.4.13.2. Class Section
    - 2.3.3.4.13.3. ID number
    - 2.3.3.4.13.4. Relation (dropdown) of brother , sister.
  - 2.3.3.4.14. Parents/Legal Guardian’s Details :
    - 2.3.3.4.14.1. Mother’s Details
      - 2.3.3.4.14.1.1. Last Name
      - 2.3.3.4.14.1.2. Middle Name

- 2.3.3.4.14.1.3. First Name
- 2.3.3.4.14.1.4. Nationality
- 2.3.3.4.14.1.5. Email Address
- 2.3.3.4.14.1.6. Passport No
- 2.3.3.4.14.1.7. Occupation
- 2.3.3.4.14.1.8. Mobile Number
- 2.3.3.4.14.1.9. Aadhar Card No
- 2.3.3.4.14.1.10. Annual Income
- 2.3.3.4.14.2. Father's Details - Same as above fields
- 2.3.3.4.14.3. Legal Guardian's Details - Same as above fields
- 2.3.3.4.15. Primary Contact Person - Father / Mother/ Guardian  
(Radio Button)
- 2.3.3.4.16. Academic Information
  - 2.3.3.4.16.1. Previous School Name
  - 2.3.3.4.16.2. Class
  - 2.3.3.4.16.3. Year of Passing
  - 2.3.3.4.16.4. Board/University Name
- 2.3.3.4.17. Student Documents Upload :
  - 2.3.3.4.17.1. Photo - 2 Passport Size
  - 2.3.3.4.17.2. Birth Certificate
  - 2.3.3.4.17.3. Identity card
  - 2.3.3.4.17.4. Immunization details
  - 2.3.3.4.17.5. School leaving certificate
  - 2.3.3.4.17.6. Certificates
  - 2.3.3.4.17.7. Any Other
- 2.3.3.5. Need Transport check box and select transport button
  - 2.3.3.5.1. Add a new popup screen to display on click of "Select Transport Route" with two different table for morning and evening sessions -
    - 2.3.3.5.1.1. Header: Select Routes
    - 2.3.3.5.1.2. Header: Pickup
    - 2.3.3.5.1.3. Radio Button
    - 2.3.3.5.1.4. Route Name
    - 2.3.3.5.1.5. Stops eg: (  
Stop10->Stop9->Stop8->Stop7->Stop5..
    - 2.3.3.5.1.6. "Boarding Point" with dropdown of stops.
    - 2.3.3.5.1.7.
    - 2.3.3.5.1.8.
    - 2.3.3.5.1.9. Header: Drop
    - 2.3.3.5.1.10. Radio Button
    - 2.3.3.5.1.11. Route Name
    - 2.3.3.5.1.12. Stops eg: (  
Stop1->Stop2->Stop3->Stop4->Stop5..
    - 2.3.3.5.1.13. "Drop Point" with dropdown of stops.

- 2.3.3.5.2. “Submit” button. On submit, the route name and pickup/drop points will be populated in the Transport section as below
- 2.3.3.5.3. Add two fields in Transport
  - 2.3.3.5.3.1. Pickup
    - 2.3.3.5.3.1.1. Route Name
    - 2.3.3.5.3.1.2. Stop Name
  - 2.3.3.5.3.2. Drop
    - 2.3.3.5.3.2.1. Route Name
    - 2.3.3.5.3.2.2. Stop Name
- 2.3.3.6. Declaration
- 2.3.3.7. Submit

#### **2.3.4. Admin View of Student detail**

- 2.3.4.1. Search by Name or ID
  - 2.3.4.1.1. List of Students
    - 2.3.4.1.1.1. ID
    - 2.3.4.1.1.2. Roll Number
    - 2.3.4.1.1.3. Name
    - 2.3.4.1.1.4. Status
    - 2.3.4.1.1.5. “Open”
- 2.3.4.2. Display the same information from Student onboarding Form ( All fields editable).
  - 2.3.4.2.1. ID will be displayed on top.
  - 2.3.4.2.2. Roll Number to be added ( editable)
  - 2.3.4.2.3. Student Login ID
  - 2.3.4.2.4. Parent Login ID
  - 2.3.4.2.5. Status (dropdown of “Applied”, “Inactive”, “Active”)
    - 2.3.4.2.5.1. If Changed, we need to show confirmation popup to collect the reason.
    - 2.3.4.2.5.2. Option to upload file [Optional]
    - 2.3.4.2.5.3. Assigning UserId to Parents and Students
      - 2.3.4.2.5.3.1. Backend will generate UserId when Admin change the status of student to “Active”
  - 2.3.4.2.6. Submit button.

### **3. Institution setup**

- 3.1. Institutions can be updated by Admin to onboard a new institution.
- 3.2. Create Institution
  - 3.2.1. Name
  - 3.2.2. Upload Institution Icon
  - 3.2.3. Contact details
    - 3.2.3.1. Address
    - 3.2.3.2. Phone number
    - 3.2.3.3. Email address
  - 3.2.4. Open link
  - 3.2.5. Manage link

## 4. Manage Institution Page

### 4.1. Departments

- 4.1.1. "Add new Department" with "+"
- 4.1.2. Name ( inline editable)
- 4.1.3. Display existing Name with edit and delete icons.

### 4.2. Grades

- 4.2.1. "Add new Grade" with "+"
- 4.2.2. Name ( inline editable)
- 4.2.3. Display existing Name with edit and delete icons.

### 4.3. Subjects

- 4.3.1. "Add new Subject" with "+"
- 4.3.2. Short Name (inline editable)
- 4.3.3. Full Name(inline editable)
- 4.3.4. Display existing Short and Full Name with edit and delete icons.

### 4.4. Location

- 4.4.1. "Add new Location" with "+"
- 4.4.2. Name ( inline editable)
- 4.4.3. Display existing Name with edit and delete icons.

### 4.5. Classes

#### 4.5.1. Class

##### 4.5.1.1. List of classes

###### 4.5.1.1.1. Radiobutton

###### 4.5.1.1.2. Grade

###### 4.5.1.1.3. Section

###### 4.5.1.1.4. TImetable with "Open/Assign" link

###### 4.5.1.1.4.1. Open/Assign link takes to a new page with below details

###### 4.5.1.1.4.1.1. Choose Time Table (Drop Down)

###### 4.5.1.1.4.1.2. Create New Time Table (This will take user to Create Time Table page)

###### 4.5.1.1.4.1.3. Display existing TimeTable with all periods cell having edit icons.

###### 4.5.1.1.4.1.4. Clicking on edit of a cell will pop up a new window with below items :

###### 4.5.1.1.4.1.4.1. Start Time (Time Calendar)

###### 4.5.1.1.4.1.4.2. End Time (Time Calendar)

###### 4.5.1.1.4.1.4.3. Subjects (Drop down)

###### 4.5.1.1.4.1.4.4. Teacher (display only)

###### 4.5.1.1.4.1.4.5. Location ( display only)

###### 4.5.1.1.4.1.4.6. Online mode checkbox.

###### 4.5.1.1.4.1.4.7. Submit button.

###### 4.5.1.1.4.1.5. Assign button

###### 4.5.1.1.4.1.6. Sample :

Monday	8:00 am - 9:00 am	8:00 am - 9:00 am
Tuesday	8:00 am - 9:00 am	8:00 am - 9:00 am

- 4.5.1.1.5. Detail with “Edit” link
- 4.5.1.1.6. “Assign Teachers” button takes to new page with below details
  - 4.5.1.1.6.1. Header : Grade- Section
  - 4.5.1.1.6.2. List of Subjects
    - 4.5.1.1.6.2.1. Subject Name
    - 4.5.1.1.6.2.2. Teacher ( dropdown)
      - 4.5.1.1.6.2.2.1. Option to show all teachers.
    - 4.5.1.1.6.2.3. Class teacher with value as checkbox
    - 4.5.1.1.6.2.4. Submit button
- 4.5.1.2. “Add/Edit Class” button on top right. On click, go to new page with below detail
  - 4.5.1.2.1. Grade (dropdown)
  - 4.5.1.2.2. “Add new Section” with “+”
    - 4.5.1.2.2.1. Name ( inline editable)
    - 4.5.1.2.2.2. Display existing Name with edit and delete icons.
  - 4.5.1.2.3. Subjects
    - 4.5.1.2.3.1. “Assign Subject” with “+”
      - 4.5.1.2.3.1.1. Subject Name ( dropdown)
      - 4.5.1.2.3.1.2. Delete icon for existing subject row.
      - 4.5.1.2.3.1.3. Assign button.
  - 4.5.1.2.4. Elective subjects
    - 4.5.1.2.4.1. Label “Assign elective subject”
    - 4.5.1.2.4.2. Subject Name ( dropdown)
    - 4.5.1.2.4.3. Delete icon for existing subject row.
    - 4.5.1.2.4.4. Assign Button
- 4.5.2. Manage Student Electives
  - 4.5.2.1. Select Grade and section, with “search” button.
  - 4.5.2.2. List of students in the Grade-section
  - 4.5.2.3. In web: Columns will be the elective subject names with checkbox to select  
In mobile : Dropdown of elective subjects in mobile with multi-select option.
  - 4.5.2.4. Keep an “Assign” button per student.
  - 4.5.2.5. The same page will be used for update as well, where current electives will be displayed.
- 4.5.3. Timetable
  - 4.5.3.1. List of Time Table Templates(Drop Down)
  - 4.5.3.2. Template Name



- 4.5.3.3. Class (Drop down) - with first entry as 'All' .
- 4.5.3.4. Section (Drop down) - with first entry as 'All'
- 4.5.3.5. Submit - User stays on same page after submitting..
- 4.5.3.6. Display Timetable in below format with all periods cell having edit icons :

4.5.3.6.1. Sample :

Monday	8:00 am - 9:00 am	8:00 am - 9:00 am
Tuesday	8:00 am - 9:00 am	8:00 am - 9:00 am

- 4.5.3.7. Add a button "Create New Time Table template". On Click take user to a new page of below details



- 4.5.3.7.1. Template Name (Text Box)
- 4.5.3.7.2. Add New Period with '+' sign
- 4.5.3.7.3. Period Name - e.g Period 1
- 4.5.3.7.4. Start Time (Time Calendar)
- 4.5.3.7.5. End Time (Time Calendar)
- 4.5.3.7.6. Display already created Periods Name with Start and End time with edit delete icons.
- 4.5.3.7.7. Preview and Submit button
- 4.5.3.7.8. On click on Preview show time table with all periods cell having edit icons :
- 4.5.3.7.9. Sample :

Monday	8:00 am - 9:00 am	8:00 am - 9:00 am
Tuesday	8:00 am - 9:00 am	8:00 am - 9:00 am

## 4.6. Transport -

### 4.6.1. List of Routes

- 4.6.1.1. Check Box.
- 4.6.1.2. Name
- 4.6.1.3. Time (Start - End)
- 4.6.1.4. Starting point
- 4.6.1.5. Destination point
- 4.6.1.6. Driver Name
- 4.6.1.7. Driver Contact Number
- 4.6.1.8. Details with Open/Edit link

- 4.6.1.9. Cancel Route button
- 4.6.1.10. Assign Students button which will take user to a new page
  - 4.6.1.10.1. Search by Class / Section / Student Name
  - 4.6.1.10.2. Assign button.
- 4.6.2. Create New Route will open a new page with below details
  - 4.6.2.1. Name
  - 4.6.2.2. Starting point
  - 4.6.2.3. Destination point
  - 4.6.2.4. Driver Name
  - 4.6.2.5. Driver Contact Number
  - 4.6.2.6. Owner Name
  - 4.6.2.7. Type of vehicle.
  - 4.6.2.8. Vehicle Govt. registered number
  - 4.6.2.9. Max Capacity.
  - 4.6.2.10. Route URL - Generated from Google Map
  - 4.6.2.11. Start Time
  - 4.6.2.12. End Time
  - 4.6.2.13. Driver List (Drop Down)
  - 4.6.2.14. Submit button
- 4.6.3. Transport Marking Attendance
  - 4.6.3.1. Header - "Route Name - Pickup/Drop" Keep date to the right most corner as 10 Sep 2020"
  - 4.6.3.2. A link "Attendance Report" on top right
  - 4.6.3.3. list of attendees - On click of a row would change the "Present" column value to green tick and grey tick toggle.
    - 4.6.3.3.1. ID Number
    - 4.6.3.3.2. Name (with photo)
    - 4.6.3.3.3. Present (a check box next to column name) - Checking this box would mark all student as present.
  - 4.6.3.3.4. 
  - 4.6.3.3.5. 
  - 4.6.3.4. Total - 40/50 on top right of above table
  - 4.6.3.5. Advance Attendance Marking - on tap/click of a row of above table would take a person to a new page where teacher can take photo and submit. On return from that page, above table row would be marked as Present.
- 4.6.4. Advance Attendance Marking
  - 4.6.4.1. Header - "Name"
  - 4.6.4.2. Capture Photo button
  - 4.6.4.3. Submit button
- 4.6.5. Parent View

- 4.6.5.1. Header : "Transport Details"
- 4.6.5.2. Show following details in a tabular form. For more than 1 child , there would be as many rows as number of children.
  - 4.6.5.2.1. Header - "Pickup"
    - 4.6.5.2.1.1. Check box
    - 4.6.5.2.1.2. Child Name
    - 4.6.5.2.1.3. Route Name
    - 4.6.5.2.1.4. StopName
    - 4.6.5.2.1.5. Route Map - "View" link . On click of View link, a new page would show real time bus location in a google map.
      - 4.6.5.2.1.5.1. Add a new screen showing the goggle map sample showing bus tracking in a route.
    - 4.6.5.2.1.6. Add a Button "Mark Absent" outside of table
  - 4.6.5.2.2. Header - "Drop"
    - 4.6.5.2.2.1. Check box
    - 4.6.5.2.2.2. Child Name
    - 4.6.5.2.2.3. Route Name
    - 4.6.5.2.2.4. StopName
    - 4.6.5.2.2.5. Route Map - "View" link . On click of View link, a new page would show real time bus location in a google map.
      - 4.6.5.2.2.6. Add a Button "Mark Absent" outside of table.
- 4.7. Academic Calendar - Provide support to integrate with Open Source to create a calendar. E.g view of Outlook or MAC calendar
  - 4.7.1. Create a sample screen
- 4.8. Fees - **Refer "Fee Module" to create Admin related screens.**
- 4.9. Designation
  - 4.9.1. "Add new Designation" with "+"
  - 4.9.2. Name ( inline editable)
  - 4.9.3. Display existing Name with edit and delete icons.
- 4.10. Roles (Admin, Student, Teacher, Parent, Staff, Visitor).
  - 4.10.1. Create Roles
    - 4.10.1.1. "Add new Roles" with "+"
    - 4.10.1.2. Name ( inline editable)
    - 4.10.1.3. Display existing Name with edit and delete icons.

## 5. Manage User Settings

- 5.1. Search Options
  - 5.1.1. User ID
  - 5.1.2. Login ID
  - 5.1.3. Name
  - 5.1.4. Phone Number
  - 5.1.5. Email Id
  - 5.1.6. Show search results in below tabular form
    - 5.1.6.1. Radio Button

- 5.1.6.2. User ID
- 5.1.6.3. Login ID
- 5.1.6.4. Name
- 5.1.6.5. Phone Number
- 5.1.6.6. Email Id
- 5.1.6.7. "Reset Password" Button
- 5.1.6.8. "Generate ID Card" Button

## 6. Report Module

- 6.1. Report Home Page
  - 6.1.1. Class ( radio button)
    - 6.1.1.1. Search
      - 6.1.1.1.1. Class Section
      - 6.1.1.1.2. Dropdown to choose below
        - 6.1.1.1.2.1. Timetable
          - 6.1.1.1.2.1.1. Redirects to Class Student View of Timetable.
        - 6.1.1.1.2.2. Teacher List
          - 6.1.1.1.2.2.1. ID No
          - 6.1.1.1.2.2.2. Photo
          - 6.1.1.1.2.2.3. Full Name
          - 6.1.1.1.2.2.4. Gender
          - 6.1.1.1.2.2.5. Joining Date
          - 6.1.1.1.2.2.6. Blood Group
        - 6.1.1.1.2.3. Exam Schedule
          - 6.1.1.1.2.3.1. Redirects to Exam module (Teacher View)
        - 6.1.1.1.2.4. Attendance
          - 6.1.1.1.2.4.1. Redirect to Admin.Attendance.Student.
        - 6.1.1.1.2.5. Exam Results
          - 6.1.1.1.2.5.1. Dropdown of Exams
            - 6.1.1.1.2.5.1.1. Redirect to particular Exam result View of all students.
        - 6.1.1.1.2.6. Student List ( column should be filtered/searchable)
          - 6.1.1.1.2.6.1. ID No
          - 6.1.1.1.2.6.2. RollNo
          - 6.1.1.1.2.6.3. Photo
          - 6.1.1.1.2.6.4. Full Name
          - 6.1.1.1.2.6.5. Parent Full Name
          - 6.1.1.1.2.6.6. Gender
          - 6.1.1.1.2.6.7. Joining Date
          - 6.1.1.1.2.6.8. Blood Group
  - 6.1.2. Student ( particular student)
    - 6.1.2.1. Search Options
      - 6.1.2.1.1. Name
      - 6.1.2.1.2. Class-Section with Roll Number

- 6.1.2.2. Dropdown of below details
  - 6.1.2.2.1. Student details.
    - 6.1.2.2.1.1. View of Student from Onboarding Module
  - 6.1.2.2.2. Attendance
  - 6.1.2.2.3. Transport Attendance
  - 6.1.2.2.4. Fees
  - 6.1.2.2.5. TimeTable
  - 6.1.2.2.6. Exam Schedule
  - 6.1.2.2.7. Exam Results
- 6.1.3. All Staff
  - 6.1.3.1. Search Options
    - 6.1.3.1.1. Department
    - 6.1.3.1.2. Subject
    - 6.1.3.1.3. ID No
  - 6.1.3.2. Details
    - 6.1.3.2.1. IDNo
      - 6.1.3.2.1.1. Photo
    - 6.1.3.2.2. Full Name
    - 6.1.3.2.3. Parent Full Name
    - 6.1.3.2.4. Subject
    - 6.1.3.2.5. Gender
    - 6.1.3.2.6. Joining Date
    - 6.1.3.2.7. Blood Group
- 6.1.4. Staff
  - 6.1.4.1. Search Options
    - 6.1.4.1.1. Name
    - 6.1.4.1.2. ID Number
  - 6.1.4.2. Dropdown of below details
    - 6.1.4.2.1. Staff Details
    - 6.1.4.2.2. Attendance
    - 6.1.4.2.3. TimeTable ( only for teachers)
- 6.1.5. Transport Attendance
  - 6.1.5.1. Route Attendance
- 6.1.6. Event
  - 6.1.6.1. Attendance
- 6.1.7. Library
- 6.1.8. Fees
  - 6.1.8.1. Search options
    - 6.1.8.1.1. Radio Button for selecting
      - 6.1.8.1.1.1. Class - Section
        - 6.1.8.1.1.1.1. Show dropdown of class-section
      - 6.1.8.1.1.2. Student ID
      - 6.1.8.1.1.3. Student Name
    - 6.1.8.1.2. Dropdown of Invoice Title
    - 6.1.8.1.3. Status (dropdown)
    - 6.1.8.1.4. Time Range

- 6.1.8.1.4.1. Start date (Calendar pick)
    - 6.1.8.1.4.2. End date (Calendar pick)
  - 6.1.8.1.5. "Search" Button
- 6.1.8.2. Search Result
  - 6.1.8.2.1. Header Name: Invoices
  - 6.1.8.2.2. Student Name
  - 6.1.8.2.3. Class-Section
  - 6.1.8.2.4. Invoice Title
  - 6.1.8.2.5. Invoice Number
  - 6.1.8.2.6. Invoice Date
  - 6.1.8.2.7. Due Date ( blank if already paid)
  - 6.1.8.2.8. Paid Date
  - 6.1.8.2.9. Invoice Amount
  - 6.1.8.2.10. Discount
  - 6.1.8.2.11. Tax
  - 6.1.8.2.12. Total Amount
  - 6.1.8.2.13. Status
  - 6.1.8.2.14. Add icon to export to pdf, excel etc.
- 6.1.9. Asset report
  - 6.1.9.1. Lab assets
  - 6.1.9.2. Sports assets
- 6.1.10. Library
  - 6.1.10.1. Due report
  - 6.1.10.2. Issuance report
- 6.1.11. Examination Report - refer to Exam Module

## **7. Attendance Module**

- 7.1. Attendance module manages the overall attendance capturing for different use cases such as
- 7.2. Class - absence, late or presence for daily and subject level.
- 7.3. Transport - Pickup and drop attendance can be registered by driver/attendant.
- 7.4. Events ( below items are type of events)  
 Eg: some sample events are as below, named as per the needs.
  - Extra-curricular classes
  - Project groups.
  - Exams - P1 - Science
  - Parents teacher meeting.

### **7.5. Marking Attendance**

- 7.5.1. Class
  - 7.5.1.1. Add "Attendance" link on banner.
  - 7.5.1.2. Attendance Home Page
    - 7.5.1.2.1. Header - "Attendance - 10 Sep 2020"
    - 7.5.1.2.2. A link "Attendance Report" on top right
    - 7.5.1.2.3. Class drop down
    - 7.5.1.2.4. Section drop down
    - 7.5.1.2.5. Subject drop down

7.5.1.2.6. list of students - On click of a row would change the "Present" column value to green tick and grey tick toggle.

7.5.1.2.6.1. Roll No

7.5.1.2.6.2. Name (with photo)

7.5.1.2.6.3. Present (a check box next to column name) - Checking this box would mark all student as present.



7.5.1.2.6.4.



7.5.1.2.6.5.

7.5.1.2.7. Total - 40/50 on top right of above table

7.5.1.2.8. Advance Attendance Marking - on tap/click of a row of above table would take a person to a new page where teacher can take photo and submit. On return from that page, above table row would be marked as Present.

7.5.1.3. Advance Attendance Marking

7.5.1.3.1. Header - "Name", "Class", Roll Number

7.5.1.3.2. Capture Photo button

7.5.1.3.3. Submit button

7.5.1.4. Organizer / allowed users should be able to take attendance without manual entries or through a swipe machine.

7.5.1.5. Admin should be able to override the attendance taken.

7.5.2. Events

7.5.2.1. Attendance

7.5.2.1.1. Header - "Event Name - 10 Sep 2020 - 08:00 AM"

7.5.2.1.2. A link "Attendance Report" on top right

7.5.2.1.3. list of attendees - On click of a row would change the "Present" column value to green tick and grey tick toggle.

7.5.2.1.3.1. ID Number

7.5.2.1.3.2. Name (with photo)

7.5.2.1.3.3. Present (a check box next to column name) - Checking this box would mark all student as present.



7.5.2.1.3.4.



7.5.2.1.3.5.

7.5.2.1.4. Total - 40/50 on top right of above table

7.5.2.1.5. Advance Attendance Marking - on tap/click of a row of above table would take a person to a new page where

teacher can take photo and submit. On return from that page, above table row would be marked as Present.

#### 7.5.2.2. Advance Attendance Marking

7.5.2.2.1. Header - "Name"

7.5.2.2.2. Capture Photo button

7.5.2.2.3. Submit button

### 7.6. User Experience of attendance view

7.6.1. Attendance link will be available inside Reports for all users.

7.6.2. Clicking of Reports link take to a attendance search page with search options

7.6.2.1. Attendance duration ( radio button)

7.6.2.1.1. Month

7.6.2.1.2. Day

7.6.2.1.3. Year

7.6.2.2. Attendance by Class ( dropdown of all classes ( eg: Primary1-A)

7.6.2.3. Attendance by Event names ( dropdown of events eg: Primary 1 Sports day).

7.6.2.4. Attendance by Transport route ( dropdown of routes)

7.6.2.5. Attendance for teaching staff

7.6.2.6. Attendance for non-teaching staff

7.6.2.7. Name (optional)

7.6.2.8. "Search button" to submit the search request.

7.6.3. Show link for details in case of Month/Year search, which takes to student based attendance view.

7.6.4. Search results View

7.6.4.1. Class

7.6.4.1.1. Roll number

7.6.4.1.2. Name

7.6.4.1.3. Number of days present/Total number of days ( eg: 10/30)

7.6.4.1.4. Result for search by Month

7.6.4.1.4.1. Columns with each day of the month with day details ( eg: Wed 1/2/2020)

7.6.4.1.4.1.1. Value: Attendance status (Absent, Present, Late) use color coding.

Rollnumber	Name	Total	Day						
			1	2	3	4	5	6	7
1	abc	25/30							
2	def	29/30							
3	ghit	30/30							

7.6.4.1.5. Result for search by Year



Rollnumber	Name	Total	Month				
			Jan	Feb	Mar	Apr	May
1	abc	280/365	25/30	25/31	25/32	25/33	25/34
2	def	290/365	29/30	29/31	29/32	29/33	29/34
3	ghit	240/365	30/31	30/32	30/33	30/34	30/35

7.6.4.1.6.

7.6.4.1.7. Result for search by Day

7.6.4.1.7.1. This will be the same as the month view, keeping only 1 day..

7.6.4.2. Events

7.6.4.2.1. Event will have ID number related to each participant

ID Number	Name	Total	Day						
			1	2	3	4	5	6	7
2001	abc	25/30							
1110	def	29/30							
1115	ghit	30/30							

7.6.4.2.2.

7.6.4.3. Transport

7.6.4.3.1. Route attendance

Route Number	Route name	Total	Day						
			1	2	3	4	5	6	7
199	TVMP-XYZ	250/300	8/10	5/10	5/10	5/10	5/10	5/10	5/10
200	ACD-XYZ	250/300	8/10	5/10	5/10	5/10	5/10	5/10	5/10
201	DED-XYZ	250/300	8/10	5/10	5/10	5/10	5/10	5/10	5/10

7.6.4.3.2. Student attendance

Rollnumber	Name	Total	Day						
			1	2	3	4	5	6	7
1	abc	25/30							
2	def	29/30							
3	ghit	30/30							

7.6.4.3.3.

7.6.4.4. Staff attendance (Including teacher, non teaching staff).

ID Number	Name	Total	Day						
			1	2	3	4	5	6	7
2001	abc	25/30							
1110	def	29/30							
1115	ghit	30/30							

7.6.5. On logging in Users (parent, student, admin, teacher) can view the classes or events that he is enrolled in and confirm/review his attendance.

7.6.6. Click on the eligible group ( eg; Class A) and view the attendance marked for that class for each subject for a day. On click of a day, he can see the attendance for each class.

7.6.6.1. By default, daily attendance is expected.

- 7.6.6.2. Subject level attendance
- 7.6.7. View of high level overview of absence/presence percentage should be visible till that day from start of first day of curriculum.
- 7.6.8. For teacher or admin, overview of the percentage of people present should be visible.
  - 7.6.8.1. Students having low attendance ( name, percentage) should be available easily.
- 7.6.9. For teacher or admin - they can select student / visitor to send notifications. ( Refer communication module for details)
- 7.7. Home based learning:
  - 7.7.1. Student view
  - 7.7.2. Class -> HomeWork -> Subjects → List of Homeworks in tabular form. Students can click the tab and select or work on the specific homework.
    - Eg: Science HW 1 -
    - Timeline : 1 week ( Due by: 10 July)
    - Task 1: Upload
    - Task 1: complete the questions
    - Task 1 : record and upload
    - HW 2 -
    - Timeline : 1 week ( Due by: 17 July)
    - Task 1: Upload
    - Task 1: complete the questions
    - Task 1 : record and upload
  - 7.7.3. Class -> HomeWork -> Subjects → AttendClass .
    - 7.7.3.1. List of upcoming classes.
    - 7.7.3.2. Clicking on AttendClass Button will take student to a virtual classroom (Like Zoom )
    - 7.7.3.3. Integrate available existing(Like Vedamo) virtual classrooms which has many advance features like whiteboard
  - 7.7.4. Teacher view
    - Class -> HomeWork -> Subjects →
    - 7.7.4.1. List of Homeworks in tabular form.
    - 7.7.4.2. Create new homework
    - 7.7.4.3. Teachers can click the tab and see the status for all students, and filter based on the status.
    - 7.7.4.4. By clicking each student, she can review and mark as the accepted or rejected.

## 8. Communication Module

This module captures basic requirements for the communication between different users in the system. Email - Integration with a premier email server ( outlook / gmail ?) required.

- 8.1. All the basic capabilities of EMail System inside the website itself.

- 8.2. A teacher can send emails to all employee and all student's of his own class.
- 8.3. Admin can send email to anyone.
- 8.4. SMS - Premium membership required.
- 8.5. SMS/Email/Push notifications by Admin .
- 8.6. Notice Board ( with attachment support )
  - 8.6.1. This can be done by only Admin or teachers.
- 8.7. ChatBot (Nice to Have).

## 9. **Department**

- Name
- Head of department
- Contact number ( phone, extension).
- Teachers in the department

- 9.1. Create assets ( Refer to Assets module).  
Eg: Books can be an asset to the Library Department or it can be an asset to the Chemistry department as well.

## 10. **Event Module**

- 10.1. Add a Link "Events" on top banner.
- 10.2. Left side put a Label as "Events".
- 10.3. A button "Manage Events" on top right side.
- 10.4. List of Events
  - 10.4.1. Event Name.
  - 10.4.2. Organizer Name.
  - 10.4.3. Date
  - 10.4.4. Time
  - 10.4.5. Location
  - 10.4.6. Status (Not Started Inprogress, Completed, Canceled )
  - 10.4.7. Details - Click on this link would take user to "Event detailed View".
- 10.5. Event detailed View
  - 10.5.1. View Event Details ( for one event)
    - 10.5.1.1. Header - "Event Details - Event1"
    - 10.5.1.2. Add two buttons "Attendance" and "Mark Attendance" on top right side. (Refer Attendance Module)
    - 10.5.1.3. Add a back button on top right
    - 10.5.1.4. Details of Event would contain below items
      - 10.5.1.4.1. Start date-time
      - 10.5.1.4.2. End date-time
      - 10.5.1.4.3. Location
      - 10.5.1.4.4. Organizer Name
      - 10.5.1.4.5. Status
      - 10.5.1.4.6. Display current Invitees as a one liner.
        - 10.5.1.4.6.1. Email, Class-Section-Type  
eg: Primary1 -All Section-All Parents  
eg: Primary1 -Section 1-All Students)
    - 10.5.1.5. Event Content
    - 10.5.1.6. List of Attachments

## 10.6. Manage Event

### 10.6.1. This will have a button to “Create Event” ( refer 12.17)

#### 10.6.1.1. Search option

#### 10.6.1.2. Table details ( all fields are inline editable)

##### 10.6.1.2.1. Name

##### 10.6.1.2.2. Start date-time

##### 10.6.1.2.3. End date-time

##### 10.6.1.2.4. Publish date

##### 10.6.1.2.5. Expiry date

##### 10.6.1.2.6. Location

##### 10.6.1.2.7. Organizer Name

##### 10.6.1.2.8. Status ( ACTIVE, EXPIRED, CANCELLED)

##### 10.6.1.2.9. “Invite” link to invite the participants.

##### 10.6.1.2.10. Edit link ( on click takes to “Create Event”, with prefilled details of Event).

### 10.6.2. Invite

#### 10.6.2.1. Event details ( one line)

##### 10.6.2.1.1. Name

##### 10.6.2.1.2. Start date-time

##### 10.6.2.1.3. End date-time

##### 10.6.2.1.4. Publish date

##### 10.6.2.1.5. Expiry date

##### 10.6.2.1.6. Location

##### 10.6.2.1.7. Organizer Name

#### 10.6.2.2. Display current Invitees as a one liner.

##### 10.6.2.2.1. Email, Class-Section-Type

eg: Primary1 -All Section-All Parents

eg: Primary1 -Section 1-All Students)

#### 10.6.2.3. Email address

#### 10.6.2.4. Search by Name (auto populate the names to select)

#### 10.6.2.5. Class ( dropdown with first option as “Select All”)

##### 10.6.2.5.1. Section ( dropdown with first option as “Select All”)

##### 10.6.2.5.2. Students (checkbox)

##### 10.6.2.5.3. Parents (checkbox)

##### 10.6.2.5.4. Teachers (checkbox)

#### 10.6.2.6. Teacher (radio button)

##### 10.6.2.6.1. Teachers ( dropdown with first option as “Select All”)

#### 10.6.2.7. All (radio button)

#### 10.6.2.8. Submit button.

## 10.7. Create Event

### 10.7.1. Name

### 10.7.2. Organizer Name

### 10.7.3. Start date-time

### 10.7.4. End date-time

### 10.7.5. Location/Get Link to Video session

- 10.7.6. Content
- 10.7.7. Attachments
- 10.7.8. Publish date ( Date from which event will be displayed)
- 10.7.9. Content ( text box)
- 10.7.10. Add attachment option ( multiple attachments possible).
- 10.7.11. Preview button.
- 10.7.12. Submit

## **11. Feedback**

- 11.1. Marks.
  - 11.1.1. Create a form for capturing marks.
- 11.2. Employee Appraisals.
- 11.3. Collecting feedbacks
- 11.4. Eg: Teacher can create a form and ask to fill feedback.
- 11.5. Reference:
  - 1. Survey Monkey

## **12. Fee Module**

- 12.1. Fee Setup
  - 12.1.1. Fee SubType setup
    - 12.1.1.1. Title (Eg: Sports Fee).
    - 12.1.1.2. Description ( eg: Registration for new admissions).
    - 12.1.1.3. Allow inline addition using “+”
    - 12.1.1.4. All field should be editable/deletable.
    - 12.1.1.5. Submit button.
  - 12.1.2. Create/Edit Invoice template
    - 12.1.2.1. Title ( eg: Quarterly School Fee)
    - 12.1.2.2. Description
    - 12.1.2.3. Select Fee subtypes (Add more subtypes inline by “+”).
      - 12.1.2.3.1. For existing edit, display subtype with edit/delete option.
  - 12.1.3. View Invoice templates
    - 12.1.3.1. List the available invoice templates
      - 12.1.3.1.1. Checkbox
      - 12.1.3.1.2. Title
      - 12.1.3.1.3. Details (“Open”) - this takes 14.1.3.2 with details prefilled.
      - 12.1.3.1.4. Button to “Create Invoice”
    - 12.1.3.2. Show button to Create New Template
    - 12.1.3.3. Show Button to create/Edit Fee types.
  - 12.1.4. Create Invoice
    - 12.1.4.1. Template Title ( not editable).
    - 12.1.4.2. Title for invoice
    - 12.1.4.3. Due date
    - 12.1.4.4. Recurrence (Optional). Dropdown - Monthly, Quarterly, Annually
    - 12.1.4.5. Fee Components ( this will be list of fee subtypes)

- 12.1.4.5.1. Fee Subtype
  - 12.1.4.5.2. Fee Amount
  - 12.1.4.5.3. Tax Amount
  - 12.1.4.6. Total ( dynamically calculated)
  - 12.1.4.7. Preview Invoice ( refer to Invoice Report)
  - 12.1.4.8. Save
    - 12.1.4.8.1. Invoice Number format
      - 12.1.4.8.1.1. MMY-<Seq Number of 6 digits>
        - 12.1.4.8.1.1.1. Keep 0 prefixed for single digit month
        - 12.1.4.8.1.1.2. Keep 0 padding for sequence number to make 6 digits.
- 12.1.5. Manage Invoices
  - 12.1.5.1. Title
  - 12.1.5.2. Due Date
  - 12.1.5.3. Invoice Template Name
  - 12.1.5.4. Recurrence
  - 12.1.5.5. Details - “Open” link to View/edit Invoice
  - 12.1.5.6. Assign button ( on click, it takes to Invoice Assignment screen)
    - 12.1.5.6.1. Invoice Assignment
      - 12.1.5.6.1.1. Current Invoices
        - 12.1.5.6.1.1.1. checkbox
        - 12.1.5.6.1.1.2. Title
        - 12.1.5.6.1.1.3. Assigned To
        - 12.1.5.6.1.1.4. Add a “Cancel” button
      - 12.1.5.6.1.2. Assign to options (radio button)
        - 12.1.5.6.1.2.1. Class
        - 12.1.5.6.1.2.2. Class/Section- show drop down of class-section
        - 12.1.5.6.1.2.3. Search by Name
        - 12.1.5.6.1.2.4. Search by ID
        - 12.1.5.6.1.2.5. Submit
- 12.1.6. Admin Manage invoices
  - 12.1.6.1. Search options
    - 12.1.6.1.1.1. Student ID
    - 12.1.6.1.1.2. Student Name
    - 12.1.6.1.2. Dropdown of Invoice Title
    - 12.1.6.1.3. Status (dropdown)
    - 12.1.6.1.4. Time Range
      - 12.1.6.1.4.1. Start date (Calendar pick)
      - 12.1.6.1.4.2. End date (Calendar pick)
    - 12.1.6.1.5. “Search” Button
  - 12.1.6.2. Search Result ( all fields inline editable)
    - 12.1.6.2.1. Header Name: Invoices
    - 12.1.6.2.2. Student Name
    - 12.1.6.2.3. Class-Section
    - 12.1.6.2.4. Invoice Title

- 12.1.6.2.5. Invoice Number
  - 12.1.6.2.6. Invoice Date
  - 12.1.6.2.7. Due Date ( blank if already paid)
  - 12.1.6.2.8. Paid Date
  - 12.1.6.2.9. Invoice Amount
  - 12.1.6.2.10. Discount
  - 12.1.6.2.11. Tax
  - 12.1.6.2.12. Total Amount
  - 12.1.6.2.13. Status
  - 12.1.6.2.14. Details column with “Open” link.
- 12.2. Admin should be able to send Fees reminder notifications to a user.
- 12.3. Parents should be able to view the Fees Details and Pay it.
  - 12.3.1. Parent->Childrens->Child\_1->Fees or Home->Fees
  - 12.3.2. List of Invoices ( both for Unpaid and history of paid invoices)
    - 12.3.2.1. Child Name , Class-Section ( Header)
    - 12.3.2.2. Checkbox
    - 12.3.2.3. Invoice Title
    - 12.3.2.4. Invoice Number
    - 12.3.2.5. Invoice Date
    - 12.3.2.6. Payment Due Date
    - 12.3.2.7. Invoice Amount
    - 12.3.2.8. Discount
    - 12.3.2.9. Tax
    - 12.3.2.10. Total Amount
    - 12.3.2.11. Status - “Paid”, “Not Paid”, “Pending Verification”
    - 12.3.2.12. Details - “Open” link to view details.
    - 12.3.2.13. Radio Button to choose
      - 12.3.2.13.1. Pay ( takes to Payment Gateway)
      - 12.3.2.13.2. Already Paid
      - 12.3.2.13.3. Button “Submit”(takes to 14.4.3)
  - 12.3.3. Pay ( takes to Payment Gateway)
    - 12.3.3.1. Header
      - 12.3.3.1.1. Payment - <Title of invoice>
      - 12.3.3.1.2. Amount : <total amount>
    - 12.3.3.2. Payment gateway to choose from
      - 12.3.3.2.1. Netbanking
      - 12.3.3.2.2. BillPay
      - 12.3.3.2.3. PayPal
    - 12.3.3.3. Submit button “Pay”
  - 12.3.4. Already Paid
    - 12.3.4.1. Header : “My Payment details”
      - 12.3.4.1.1. Type
      - 12.3.4.1.2. From Bank (Optional)
      - 12.3.4.1.3. Reference Number
      - 12.3.4.1.4. Amount
      - 12.3.4.1.5. Date

- 12.3.4.1.6. Notes
- 12.3.4.1.7. Attachments ( Upload Screenshot).
- 12.3.4.1.8. Submit
- 12.3.4.1.9. Option to go back.
- 12.3.5. Invoice View ( One invoice)
  - 12.3.5.1.1. School Details
    - 12.3.5.1.1.1. Name
    - 12.3.5.1.1.2. Address
    - 12.3.5.1.1.3. Contact Number
    - 12.3.5.1.1.4. School Registration Number
    - 12.3.5.1.1.5. Email
  - 12.3.5.1.2. Student Details
    - 12.3.5.1.2.1. Student Name
    - 12.3.5.1.2.2. Parent Name
    - 12.3.5.1.2.3. Roll Number
    - 12.3.5.1.2.4. Class/Section
  - 12.3.5.1.3. Invoice Summary
    - 12.3.5.1.3.1. Invoice Title
    - 12.3.5.1.3.2. Invoice Number
    - 12.3.5.1.3.3. Invoice Date
    - 12.3.5.1.3.4. Payment Due Date
    - 12.3.5.1.3.5. Invoice Amount
    - 12.3.5.1.3.6. Discount
    - 12.3.5.1.3.7. Tax
    - 12.3.5.1.3.8. Total Amount
  - 12.3.5.1.4. Invoice Details
    - 12.3.5.1.4.1. Fee Subtype Title
    - 12.3.5.1.4.2. Amount
    - 12.3.5.1.4.3. Tax
    - 12.3.5.1.4.4. Total Amount

#### 12.3.6. Invoice Payment

##### 12.3.6.1.

- 12.4. Parents can also pay fees outside of the portal and so should be given the option to upload the payment details with a snapshot.

### 13. Home

- 13.1. This is the home page for the user after logging in.
- 13.2. In the home page, user should see Ongoing events, upcoming events, holidays.
- 13.3. Home page of Student
  - 13.3.1. Notification - An indicator in Icon form to show that there are new notifications. On click student will be redirected to Notifications Page where he/she can see “Email inbox”, “Class notice” and “School notice”.
  - 13.3.2. Current day details and status (eg: Jan 1, 2020 - Public Holiday)
  - 13.3.3. Link to Calendar to look up ( refer Calendar module).
  - 13.3.4. Current Assignments ( irrespective of subjects)



- 13.3.5. Assignments in progress ( irrespective of subjects)
- 13.3.6. Completed Assignments ( irrespective of subjects)
- 13.3.7. Show Current class details - Subject, Teacher Name, time (Start - End), Mode(Online/Offline), Link of online class if Mode is Online.
  - 13.3.7.1. Link to timetable for the class.
- 13.3.8. Upcoming Events - List of Events entered in Event Module which is relevant ( either as a participant or organizer) and indicate Organizer name.
- 13.4. Home page of Parent
  - 13.4.1. Notification - An indicator in Icon form to show that there are new notifications. On click parent will be redirected to Notifications Page where he/she can see "Email inbox", "Class notice" and "School notice".
  - 13.4.2. List of Childs to choose :
    - 13.4.2.1. Name
    - 13.4.2.2. Class
    - 13.4.2.3. Section
    - 13.4.2.4. Roll Number
    - 13.4.2.5. Payments
    - 13.4.2.6. Indicator to show that this child has a Pending Assignment.
  - 13.4.3. Put "School Notices" on right of the table of child lists
  - 13.4.4. Upon selecting the child, parent would be redirected to Student Home Page.
  - 13.4.5. Upcoming Events - List of Events entered in Event Module which is relevant ( either as a participant or organizer) and indicate Organizer name.
- 13.5. Home page of Admin
  - 13.5.1. Consolidate count of
    - 13.5.1.1. Teachers, Student, staff ( total present/ Total number of teachers) eg: 98/100
  - 13.5.2. Search option using
    - 13.5.2.1. Name with user type(optional) / class (optional)/ date of birth (optional)
    - 13.5.2.2. ID ( Id of the identity card issued during user onboarding, using Barcode scanning or manually entered by looking at Identity card of user)
  - 13.5.3. Notification icon indicating any new notification.
  - 13.5.4. Notification - display the inbox
  - 13.5.5. Upcoming Events - List of Events entered in Event Module which is relevant ( either as a participant or organizer) and indicate Organizer name.
    - 13.5.5.1. Event Name.
    - 13.5.5.2. Organizer Name.
    - 13.5.5.3. Date
    - 13.5.5.4. Time
    - 13.5.5.5. Location

- 13.5.5.6. Status (Not Started Inprogress, Completed, Canceled )
- 13.5.6. Alerts :
  - 13.5.6.1. Type (Transport, Maintenance, etc ... )
  - 13.5.6.2. Description
  - 13.5.6.3. Status (Admin should be able to change the status to (Inprogress, Completed, Ignore etc..))
- 13.5.7. Home page of Teacher
  - 13.5.7.1. Search option using Name with user type(optional) / class (optional)
  - 13.5.7.2. Notification icon indicating any new notification.
  - 13.5.7.3. Navigation tab: Link to all events.
  - 13.5.7.4. Notification - display the inbox
  - 13.5.7.5. Upcoming Events - List of Events entered in Event Module which is relevant ( either as a participant or organizer) and indicate Organizer name.
  - 13.5.7.6. Time table for the teacher for the current day. Each cell will be a period which will contain below details . This is a timetable which will have previous and next day clickable arrow.
    - 13.5.7.6.1. Subjects
    - 13.5.7.6.2. Time (Start - End)
    - 13.5.7.6.3. Grade.
    - 13.5.7.6.4. Section
  - 13.5.7.7. List of Classes related to the teacher click on which takes to the view of a class.
    - 13.5.7.7.1. Grade ( 1 , 2 , 3 etc..)
    - 13.5.7.7.2. Section name (A, B, sunflower etc ..)
    - 13.5.7.7.3. Subject Name
    - 13.5.7.7.4. Assignment ( value will be description)
    - 13.5.7.7.5. Start date
    - 13.5.7.7.6. End date
    - 13.5.7.7.7. Number of students completed ( eg: 15/20).
    - 13.5.7.7.8. Display the status of assignment ( Not Assigned, Open , Completed, Cancelled).
    - 13.5.7.7.9. Link to Assignment.
  - 13.5.7.8. Option to create a new Assignment, which will take to a new page ( refer Assignment Module).
- 13.6. Staff Home page( based on category -eg, non-teaching staff - maintenance staff)
  - 13.6.1. Search option using Name with user type(optional) / class (optional)
  - 13.6.2. Notification icon indicating any new notification.
  - 13.6.3. Navigation tab: Link to all events.
  - 13.6.4. Notification - display the inbox
  - 13.6.5. Upcoming Events - List of Events entered in Event Module which is relevant ( either as a participant or organizer) and indicate Organizer name.

- 13.6.6. Notification - display the inbox
- 13.6.7. Personal Calendar if any ( eg: schedule for bank payment daily, or checking letters, etc).
- 13.7. Transport Staff Home Page
  - 13.7.1. Search option using Name with user type(optional) / class (optional)
  - 13.7.2. Notification icon indicating any new notification.
  - 13.7.3. Navigation tab: Link to all events.
  - 13.7.4. Notification - display the inbox
  - 13.7.5. Upcoming Events - List of Events entered in Event Module which is relevant ( either as a participant or organizer) and indicate Organizer name.
  - 13.7.6. Show the list of routes :
    - 13.7.6.1. Description
    - 13.7.6.2. Time (Start - End)
    - 13.7.6.3. Starting point
    - 13.7.6.4. Destination point
    - 13.7.6.5. Driver Name
    - 13.7.6.6. Driver Contact Number
    - 13.7.6.7. Show only Active routes.
  - 13.7.7. Click of route will take to the attendance of the students in that route.

#### **14. Login/HomePage**

- 14.1. Login fields
  - 14.1.1. User id
  - 14.1.2. Password
- 14.2. One section of login page will contain how to navigate / details of the institution.
- 14.3. Provide capability to remember the previous successful login so that password is not required to enter again.
- 14.4. Add CAPTCHA
- 14.5. Forgot Password -
  - 14.5.1. Should provide text box to enter user's email id.
  - 14.5.2. Check if the user's id is registered or not.
  - 14.5.3. Generate reset password link and sent password reset link to user's email entered by the user.
  - 14.5.4. When user visits the reset password link, provide text to enter password and retype password.
  - 14.5.5. On submit click, reset the password provided by users. And sent email to user that his/her password is reset.
  - 14.5.6. Add CAPTCHA
- 14.6. Forgot User Id
  - 14.6.1. Should provide a text box to enter the user's email id .
  - 14.6.2. Send user id to the user's email id.
  - 14.6.3. Add CAPTCHA

#### **15. Student**

- 15.1. Student Informations :

- 15.1.1. All the information mentioned in the **Onboarding** module.
- 15.1.2. Roll Number
- 15.1.3. Student Unique Id
- 15.1.4. Admission Date

## 16. Transport

- 16.1. Admin should be able to create many instances of Transport.
- 16.2. A transport should have following attributes :
  - 16.2.1. Name - Will be used to fetch details of a transport.
  - 16.2.2. Mode - Adhoc/Scheduled
  - 16.2.3. Owner Name
  - 16.2.4. Type of vehicle.
  - 16.2.5. Vehicle Govt. registered number.
  - 16.2.6. Available Capacity.
  - 16.2.7. Full Capacity.
  - 16.2.8. Route - Eg. Station A->Station B->Station C->Station D
  - 16.2.9. School Departure Time
  - 16.2.10. School Arrival Time
  - 16.2.11. Status - Active/Maintenance/Removed
  - 16.2.12. Attendance of its passengers (refer to Attendance Module)
  - 16.2.13. Driver Id (This ID is the school employee ID if he/she is school employee)
- 16.3. Admin should be able to set status(Active/Maintenance/Removed) of a particular transport.
- 16.4. Admin should be able to assign/remove a passenger(teacher/students) to a transport.
- 16.5. Admin should be able to sent notification to all passengers including driver. (refer to notification module).
- 16.6. Driver can update the Transport module on each stop.
- 16.7. Parent should be able to sent notification to the driver when student is absent.
- 16.8. Driver should be able to send notifications to Admin and parents.

## 17. Birthday greeting in app and email to any user for his/her birthday.

## 18. Classroom / Online sharing

- 18.1. Teacher sharing his desktop to all students using the software.
- 18.2. Teacher share document - instantly available to all students. Mainly when everyone works with a laptop.

## 19. Visitor

Following data needs to be captured for Visitors.

- 19.1. FirstName
- 19.2. Last Name
- 19.3. ID card type
- 19.4. ID card number
- 19.5. Email address
- 19.6. Mobile number
- 19.7. Purpose
- 19.8. Who to meet

- 19.9. Time in
- 19.10. Time out
- 19.11. Photo upload
- 19.12. ID photo upload
- 20. Timetable module
  - 20.1. Admin should be able to search by
    - Class using GradeName - Section name
    - Teacher
    - Event Name
    - Start date and end date
  - 20.1.1. Result will be timetable showing the first week starting Monday of the week. There will be navigation to next weeks till end date (ends with Sunday).
  - 20.1.2. Each cell will be clickable with edit details shown right side of the timetable for admin to edit the details.
    - 20.1.2.1. Teacher name
    - 20.1.2.2. Subject name
    - 20.1.2.3. Location
    - 20.1.2.4. Additional info - reason for editing.
  - 20.2. Class time table
    - 20.2.1. View
      - 20.2.1.1. Grade Name - Section Name ( Primary 1- Section A)
      - 20.2.1.2. Week start date - end date ( eg: 31 August - 6 September 2020)
      - 20.2.1.3. Class teacher Name
      - 20.2.1.4. Tabular form
        - 20.2.1.4.1. Period time ( eg: 8:00 AM - 9:00 AM) (columns)
        - 20.2.1.4.2. Weekday name ( rows)
        - 20.2.1.4.3. Subject with Teacher Name
          - 20.2.1.4.3.1. Multiple subjects can be present in same period ( eg: Mother tongue - Hindi, German)
        - 20.2.1.4.4. Nice to Have ( NTH): location (controlled by a option show location in admin)
        - 20.2.1.4.5. Display holiday in a different color or with slant line pattern.
      - 20.2.1.5. Teacher time table
        - 20.2.1.5.1. View
          - 20.2.1.5.1.1. Week start date - end date ( eg: 31 August - 6 September 2020)
          - 20.2.1.5.1.2. Tabular form
            - 20.2.1.5.1.2.1. Period time ( eg: 8:00 AM - 9:00 AM) (column)
            - 20.2.1.5.1.2.2. Weekday name (rows)
            - 20.2.1.5.1.2.3. Grade Name - Section Name ( Primary 1- Section A)
            - 20.2.1.5.1.2.4. Subject Name or Any activity name.

- 20.2.1.5.1.2.5. Nice to Have ( NTH): location (controlled by a option show location in admin)
    - 20.2.1.5.1.2.6. Display holiday in a different color or with slant line pattern.
- 20.3. Transport time table
  - 20.3.1. View
    - 20.3.1.1. Week start date - end date ( eg: 31 August - 6 September 2020)
    - 20.3.1.2. Search by Route Number/Name and session name  
Eg: Route 201 Morning session  
Route 201 Evening session  
Route 201 Afternoon session
    - 20.3.1.3. The result
      - 20.3.1.3.1. Start time
      - 20.3.1.3.2. Should show the stops in order and approx. time at each stop.  
Eg: Riverside Blvd at Freshwater Drive — 15:47
      - 20.3.1.3.3. Bus driver contact
      - 20.3.1.3.4. Bus Driver photo
      - 20.3.1.3.5. Bus Number plate number.
      - 20.3.1.3.6. Google view of route map.
    - 20.3.1.4. Show all route option
      - 20.3.1.4.1. Displays list of routes with
        - 20.3.1.4.1.1. Route number
        - 20.3.1.4.1.2. Route Name
        - 20.3.1.4.1.3. Departure time
        - 20.3.1.4.1.4. Route details in the form  
Eg: From West Ryde Station(Ryedale Rd), (Blaxland 07:36) Lane Cove Rd, (Lane Cove 07:40) (Epping 07:50) (Fontenoy 07:54) Ryde Rd, Mona Vale Rd (Brigidine College 08:08) to school (08:27)
      - 20.3.1.4.1.5. Link which will search by the route number to show the complete detail (as 35.3.1.2)
    - 20.3.1.5. Edit option of result to update
      - 20.3.1.5.1. Driver details
      - 20.3.1.5.2. Route alteration
      - 20.3.1.5.3. Timing
- 20.4. Create timetable by Admin
 

The time table for teacher is about the relation between teacher, group and subject. By creating this, we should be able to generate class timetable as well as all teachers will be assigned.

  - 20.4.1. Customise weekly structure for a class
    - 20.4.1.1. Select a start date and duration of each period.

- 20.4.1.1.1. Result will be default view of week timetable ( without any teacher/subject)
- 20.4.1.1.2. Admin can click on a cell, display edit option on right side of time table to add
  - 20.4.1.1.2.1. Subject ( includes recess/interval as well) ( dropdown of subjects)
  - 20.4.1.1.2.2. Teacher( dropdown of teachers)
  - 20.4.1.1.2.3. Location / link
- 20.4.1.2. Option to apply the week settings to whole year or for a semester ( option to either include or exclude teacher/ subject)
- 20.4.1.3. Option to apply the settings to another class or set of classes.

## **21. Assignment Module**

- 21.1. Create assignment
  - 21.1.1. This will be used for creating assignment, exam papers.
  - 21.1.2. Teacher can start with
    - 21.1.2.1. Select a class and subject
    - 21.1.2.2. Create a description
    - 21.1.2.3. Start time and end time [Optional]
  - 21.1.3. Create question option ( using “+” symbol) as a repeating option to add many questions.
    - 21.1.3.1. Question description
    - 21.1.3.2. Type of question [multiple choice, text box]
    - 21.1.3.3. Answer (optional)
    - 21.1.3.4. Marks
    - 21.1.3.5. Option to upload files.
    - 21.1.3.6. Save or Edit option.
  - 21.1.4. Assign button to assign to students.
  - 21.1.5. Save as draft button.
- 21.2. View
  - 21.2.1. Summary
    - 21.2.1.1. Class Name - Subject Name (in header)
    - 21.2.1.2. Description
    - 21.2.1.3. Start time
    - 21.2.1.4. End time
    - 21.2.1.5. Number of students completed ( eg: 15/20).
    - 21.2.1.6. Number of students in progress (eg: 5/20)
    - 21.2.1.7. Number of students yet to start.(eg: 5/20)
    - 21.2.1.8. Count of Review completed.(eg: 15/20)
  - 21.2.2. Student List of assignment
    - 21.2.2.1. Roll Number
    - 21.2.2.2. Name
    - 21.2.2.3. Status (Yet to Start, In progress, Completed)
    - 21.2.2.4. Score
    - 21.2.2.5. Details ( link to answers submitted by student).

- 21.2.3. Teacher review of answers submitted by student
  - 21.2.3.1. Show list of Questions expandable using “+” symbol.
  - 21.2.3.2. On expand by clicking “+”, it shows
    - 21.2.3.2.1. Submitted answer
    - 21.2.3.2.2. Correct answer
    - 21.2.3.2.3. Teacher evaluation ( correct or incorrect)
    - 21.2.3.2.4. Notes
    - 21.2.3.2.5. Score
    - 21.2.3.2.6. Save button.
  - 21.2.3.3. After all answers are evaluated, teacher can
    - 21.2.3.3.1. Accept / Mark as completed.
    - 21.2.3.3.2. Reject
- 21.2.4. Student submission of answers to an assignment.
  - 21.2.4.1. Header should indicate “Assignment Name”, Subject Name, Total questions, Attempted questions count, Pending question count.
  - 21.2.4.2. Add “Save as draft” button and “Submit” on top of page.
  - 21.2.4.3. There will be one question per page with option navigate to “Previous” and “Next” question. Option to “Save as draft” in every page.
  - 21.2.4.4. All questions should be displayed on “right” side of the page for easy navigation.
  - 21.2.4.5. View for Subjective questions
    - 21.2.4.5.1. Show Section name.
    - 21.2.4.5.2. Display question along with the Marks.
    - 21.2.4.5.3. Show textbox to enter answer. It should have all text editor options.
    - 21.2.4.5.4. Option to upload file.
  - 21.2.4.6. View for Multiple Choice questions
    - 21.2.4.6.1. Show section Name
    - 21.2.4.6.2. Display question along with Marks.
    - 21.2.4.6.3. Show the options as per the question setup.
      - 21.2.4.6.3.1. Display checkbox / button as per the multiple answer/single answer set for question.
  - 21.2.4.7. View for Subjective with sub questions
    - 21.2.4.7.1. Display main question
    - 21.2.4.7.2. Allow navigation as single question.
  - 21.2.4.8. Show list of questions with 30 chars limited on the right side for navigation for all the questions.
- 21.2.5. Assignment Result
  - 21.2.5.1. Student Name
  - 21.2.5.2. Class
  - 21.2.5.3. Assignment Name
  - 21.2.5.4. Status
  - 21.2.5.5. Score ( eg: Score: 40/50)



- 21.2.5.6. Question with individual marks ( not editable). ( same model as in teacher review of assignment where expand/collapse option for questions will be present)
- 21.2.5.7. Remarks

## **22. Noticeboard Module**

- 22.1. Create Notice ( this will be used for Edit Notice as well)
  - 22.1.1. Title
  - 22.1.2. Subject
  - 22.1.3. Publish date
  - 22.1.4. Expiry date
  - 22.1.5. Type of notice ( dropdown - Class / School)
    - 22.1.5.1. If class, show dropdown to choose Class, section
  - 22.1.6. Content ( text box)
  - 22.1.7. Add attachment option ( multiple attachments possible).
  - 22.1.8. Name of Publisher
  - 22.1.9. Preview button.
  - 22.1.10. Submit
- 22.2. Notice Management
  - 22.2.1. There will be two pages 1. For School and 2. Class with similar views.
  - 22.2.2. This will have a button to "Create Notice" ( refer 30.1) on top.
    - 22.2.2.1. Search option
    - 22.2.2.2. Table details ( all fields are inline editable)
      - 22.2.2.2.1. Title
      - 22.2.2.2.2. Subject
      - 22.2.2.2.3. Class ( eg: 2-A) ( only will be shown if redirected from "Manage Class notices"
      - 22.2.2.2.4. Publish date
      - 22.2.2.2.5. Expiry date
      - 22.2.2.2.6. Name of Publisher
      - 22.2.2.2.7. Status ( ACTIVE, EXPIRED, CANCELLED)
      - 22.2.2.2.8. Edit link ( on click takes to "Create Notice", with prefilled details of notice).
- 22.3. View Notice Summary
  - 22.3.1. "Class Notices" which will have
    - 22.3.1.1. Title
    - 22.3.1.2. Subject
    - 22.3.1.3. Published Date
    - 22.3.1.4. Link to see details in a new page(refer Notice detailed View)
  - 22.3.2. "School Notices" which will have
    - 22.3.2.1. Title
    - 22.3.2.2. Subject
    - 22.3.2.3. Published Date
    - 22.3.2.4. Link to see details in a new page ( refer Notice detailed View)
- 22.4. View Notice Details ( for one notice)
  - 22.4.1. Header

- 22.4.1.1. Class/Section ( only shown for Class notices)
- 22.4.1.2. Title
- 22.4.1.3. Subject
- 22.4.1.4. Published Date
- 22.4.2. Notice Content
- 22.4.3. List of Attachments
- 22.4.4. "Notice published by" <Name>

## 23. Top Banner

### 23.1. Parent

- 23.1.1. User Name (with drop down to log out)
- 23.1.2. Inbox icon
- 23.1.3. Notification icon
- 23.1.4. Calendar icon (with Dates)
- 23.1.5. Reports
- 23.1.6. Leave Request
- 23.1.7. Fees
- 23.1.8. Home

### 23.2. Student

- 23.2.1. User Name (with drop down to log out)
- 23.2.2. Inbox icon
- 23.2.3. Notification icon
- 23.2.4. Calendar icon (with Dates)
- 23.2.5. Reports
- 23.2.6. Leave Request
- 23.2.7. Fees
- 23.2.8. Home

### 23.3. Teacher/Staff

- 23.3.1. User Name (with drop down to log out)
- 23.3.2. Inbox icon
- 23.3.3. Notification icon
- 23.3.4. Calendar icon (with Dates)
- 23.3.5. Reports
- 23.3.6. Leave Request
- 23.3.7. Home

### 23.4. Admin

- 23.4.1. User Name (with drop down to log out)
- 23.4.2. Inbox icon
- 23.4.3. Notification icon
- 23.4.4. Calendar icon (with Dates)
- 23.4.5. Reports
- 23.4.6. Home

### 23.5. Transport Staff

- 23.5.1. User Name (with drop down to log out)
- 23.5.2. Inbox icon

- 23.5.3. Notification icon
- 23.5.4. Current Date ICON
- 23.5.5. Reports

## **24. Contact Us page**

- 24.1. Name (\*)
  - 24.1.1. First Name
  - 24.1.2. Last Name
- 24.2. Email address (\*)
- 24.3. Phone number
- 24.4. Message (textbox) (\*)
- 24.5. Submit
- 24.6. School Contact Information
  - 24.6.1. School Address
  - 24.6.2. Email Address
  - 24.6.3. Phone number
  - 24.6.4. Working Hours

## **25. Leave module**

- 25.1. Staff View
  - 25.1.1. Leave Summary (Below is the list of Leave Types)
    - 25.1.1.1. Leave Type
    - 25.1.1.2. Balance (in hrs)
    - 25.1.1.3. Consumed (in hrs)
    - 25.1.1.4. Check Box
    - 25.1.1.5. Apply Leave button
  - 25.1.2. Apply Leave
    - 25.1.2.1. Subject
    - 25.1.2.2. Start date
    - 25.1.2.3. End date
    - 25.1.2.4. Add two Radio Box with Labels "Half Day" and "Full day"
    - 25.1.2.5. Message
    - 25.1.2.6. Leave Type (Non-Editable) in header.
    - 25.1.2.7. Add Attachments
    - 25.1.2.8. Submit
    - 25.1.2.9. Cancel
  - 25.1.3. Leave Request Summary - (It will be on same level as "Leave Summary")
    - 25.1.3.1. List of leave requests
      - 25.1.3.1.1. Name
      - 25.1.3.1.2. Subject
      - 25.1.3.1.3. Start date
      - 25.1.3.1.4. End date
      - 25.1.3.1.5. Days.
      - 25.1.3.1.6. Status (Approved,Pending,Cancelled)
      - 25.1.3.1.7. Approve/Reject - On click of this , user will be taken to (Review Approve/Reject leaves) page.
    - 25.1.3.2. Review Approve/Reject leaves ( for selected leave request)

- 25.1.3.2.1. Name
- 25.1.3.2.2. Subject
- 25.1.3.2.3. Start date
- 25.1.3.2.4. End date
- 25.1.3.2.5. Days
- 25.1.3.2.6. Message
- 25.1.3.2.7. Attachments
- 25.1.3.2.8. Button to “Accept Leave” or “Cancel Leave” leave.
- 25.2. Student View
  - 25.2.1. Leave Request Summary
    - 25.2.1.1. Leave Count (Keep it on to right corner)
    - 25.2.1.2. Apply Leave button
    - 25.2.1.3. List of leave requests
      - 25.2.1.3.1. Name
      - 25.2.1.3.2. Subject
      - 25.2.1.3.3. Start date
      - 25.2.1.3.4. End date
      - 25.2.1.3.5. Days.
      - 25.2.1.3.6. Status (Approved,Pending,Cancelled)
      - 25.2.1.3.7. Cancel - On click of this , user will be taken to (Review Approve/Reject leaves) page.
    - 25.2.1.4. Review leaves ( for selected leave request)
      - 25.2.1.4.1. Name
      - 25.2.1.4.2. Subject
      - 25.2.1.4.3. Start date
      - 25.2.1.4.4. End date
      - 25.2.1.4.5. Days
      - 25.2.1.4.6. Details
      - 25.2.1.4.7. Message
      - 25.2.1.4.8. Attachments
      - 25.2.1.4.9. Button to “Cancel Leave” leave.
  - 25.2.2. Request Leave
    - 25.2.2.1.1. Subject
    - 25.2.2.1.2. Start date
    - 25.2.2.1.3. End date
    - 25.2.2.1.4. Days - text box
    - 25.2.2.1.5. Message
    - 25.2.2.1.6. Leave Type (Non-Editable) in header.
    - 25.2.2.1.7. Add Attachments
    - 25.2.2.1.8. Submit
    - 25.2.2.1.9. Cancel

## 26. Exam Module

- 26.1. Student and Parent View
  - 26.1.1. Examinations - This is table with below items
    - 26.1.1.1. For each Child, there will be separate table as below - (For Student View, only one table) on the same page.

- 26.1.1.1.1. Header with Roll No, Name, Class-Section
- 26.1.1.1.2. Title
- 26.1.1.1.3. Status
- 26.1.1.1.4. Date
- 26.1.1.1.5. Time Table - "View" link will take user to "Exam Time Table"
- 26.1.1.1.6. Result - Link for "View" and "Not Published" text without link if result not published. "View" click will take to the below "Exam Results" page.
- 26.1.2. Exam Results
  - 26.1.2.1. Header with Roll No, Name, Title, Class-Section
  - 26.1.2.2. Subject
  - 26.1.2.3. Exam Date
  - 26.1.2.4. Start Time
  - 26.1.2.5. End Time
  - 26.1.2.6. Max Marks
  - 26.1.2.7. Result - e.g A+ , A , B, 40
  - 26.1.2.8. Exam Mode (online/offline)
  - 26.1.2.9. Back button
- 26.2. Teacher View
  - 26.2.1. Create Grading
    - 26.2.1.1. Grade Type (Like Grade, Percentage, Grade Points)
    - 26.2.1.2. Marks Range for a grade (put a '+' on right corner)
      - 26.2.1.2.1. Min Marks
      - 26.2.1.2.2. Max Marks
      - 26.2.1.2.3. Grade Value (Like , if Percentage ,50%,)
  - 26.2.2. Manage Exam
    - 26.2.2.1. View Examinations
      - 26.2.2.1.1. Search by Class, Section, Name
      - 26.2.2.1.2. Default entries will be shown for "Scheduled" status.
        - 26.2.2.1.2.1. Tabs for "Completed", Cancelled"
      - 26.2.2.1.3. List of below items
        - 26.2.2.1.3.1. RadioButton
        - 26.2.2.1.3.2. Name (Like "Term 1")
        - 26.2.2.1.3.3. Class
        - 26.2.2.1.3.4. Section
        - 26.2.2.1.3.5. Status ( Schedule, Completed, Cancelled)
        - 26.2.2.1.3.6. Details ("Edit" link) - Click on this link will take user to 'Edit Exam' page
      - 26.2.2.1.4. Button to "Cancel", "Schedule", "Completed", "Results"
        - 26.2.2.1.4.1. Above buttons will display based on the tab selected.
          - 26.2.2.1.4.1.1. If "Scheduled" tab, show only "Cancel" and "Completed"
          - 26.2.2.1.4.1.2. If "Completed" tab, show only "Results"

- 26.2.2.1.4.1.3. If “Cancelled” tab, no buttons
    - 26.2.2.1.4.2. Show a popup to confirm button submission only for “Cancel”.
  - 26.2.2.2. Create/Edit Exam
    - 26.2.2.2.1. Name (Like “Term 1”)
    - 26.2.2.2.2. Class (dropdown)
    - 26.2.2.2.3. Section (dropdown)
    - 26.2.2.2.4. List all Subjects (For each subject put below column)  
(all fields are inline editable)
      - 26.2.2.2.4.1. Check Box
      - 26.2.2.2.4.2. Exam Date (Calender)
      - 26.2.2.2.4.3. Start Time
      - 26.2.2.2.4.4. End Time
      - 26.2.2.2.4.5. Max Marks
      - 26.2.2.2.4.6. Exam Mode (online/offline)
      - 26.2.2.2.4.7. Location
      - 26.2.2.2.4.8. Syllabus(text box)
  - 26.2.2.3. Exam Results
    - 26.2.2.3.1. Header with Name, Class-Section ( eg: Term III Primary1 - A)
    - 26.2.2.3.2. Subject
    - 26.2.2.3.3. RadioButton
    - 26.2.2.3.4. Exam Date
    - 26.2.2.3.5. Start Time
    - 26.2.2.3.6. End Time
    - 26.2.2.3.7. Max Marks
    - 26.2.2.3.8. Exam Mode (online/offline)
    - 26.2.2.3.9. Location
    - 26.2.2.3.10. Button to enter marks - “Enter Marks”
  - 26.2.2.4. Enter Marks
    - 26.2.2.4.1. Header
      - 26.2.2.4.1.1. Name (Like “Term 1”)
      - 26.2.2.4.1.2. Class
      - 26.2.2.4.1.3. Section
      - 26.2.2.4.1.4. Subject
      - 26.2.2.4.1.5. Exam date
      - 26.2.2.4.1.6. Max Marks
    - 26.2.2.4.2. List of Students
      - 26.2.2.4.2.1. Roll Number
      - 26.2.2.4.2.2. Name
      - 26.2.2.4.2.3. Marks (editable)
      - 26.2.2.4.2.4. Absent (not editable)
    - 26.2.2.4.3. Button for “Save Draft” and “Publish”
- 26.2.3. Exam Result View ( all subjects for all students of class - section)
  - 26.2.3.1.1. Header with Exam Name, Class-Section
  - 26.2.3.1.2. Subjects dynamic columns based on Exam.

- 26.2.3.1.2.1. Eg: English , Math, Science, Hindi,
- 26.2.3.1.3. Roll Number
- 26.2.3.1.4. Student Name
- 26.2.3.1.5. Result - e.g A+ , A , B, 40
- 26.2.3.1.6. Back button

27. Exam time table

27.1. View

- 27.1.1. Class Name - Section Name ( Primary 1- Section A)
- 27.1.2. Exam start date - end date ( eg: 31 August - 6 September 2020)
- 27.1.3. Name (Like "Term 1")
- 27.1.4. Tabular form
  - 27.1.4.1. Date
  - 27.1.4.2. Week Day
  - 27.1.4.3. Exam time ( eg: 8:00 AM - 9:00 AM)
  - 27.1.4.4. Invigilator teacher name
  - 27.1.4.5. Subject Name with Subject Teacher Name
    - 27.1.4.5.1. Multiple subjects can be present in same period ( eg: Mother tongue - Hindi, German)
  - 27.1.4.6. Location (or link of online exam)

28. Online Class

Entry point: From Teacher home page/ Student home page.

28.1. Header

- 28.1.1. Subject
- 28.1.2. Class-Section
- 28.1.3. Teacher Name
- 28.1.4. Start date time

28.2. Teacher View

- 28.2.1. Presenter Video
- 28.2.2. Attendees Video (enable/disable option)
- 28.2.3. Attendee List
- 28.2.4. Chat/Conversation
- 28.2.5. Share screen
- 28.2.6. Icon to control
  - 28.2.6.1. Recording
  - 28.2.6.2. Mute
  - 28.2.6.3. Video
  - 28.2.6.4. Button to Start and stop session.

28.3. Student View

- 28.3.1. Presenter Video
- 28.3.2. Attendees Video
- 28.3.3. Attendee List
- 28.3.4. Chat/Conversation
- 28.3.5. Share Screen
- 28.3.6. Icon to control
  - 28.3.6.1. Mute

- 28.3.6.2. Video ( enable / disable option)
- 29. Security
  - 29.1. Encryption of PII data
  - 29.2. Encryption of files
- 30. Library module
  - 30.1. Department : Library
  - 30.2. Designation: Librarian
  - 30.3. Library Admin
    - 30.3.1. Home page - Search options
      - 30.3.1.1. Author
      - 30.3.1.2. Title
      - 30.3.1.3. ISBN / Serial number
    - 30.3.2. Admin view of books
      - 30.3.2.1. Book ID / QR code
      - 30.3.2.2. Title
      - 30.3.2.3. Publishing Year
      - 30.3.2.4. Author name
      - 30.3.2.5. Content type (fiction , non-fiction)
      - 30.3.2.6. Tag/Topic ( eg: Nature, history - this book will appear if searched by “nature” or history )
      - 30.3.2.7. Number of copies
      - 30.3.2.8. Price
      - 30.3.2.9. Language
      - 30.3.2.10. Subject ( eg: History)
      - 30.3.2.11. Cover photo
      - 30.3.2.12. Type ( books, journals, newspaper, magazines, article and others)
      - 30.3.2.13. ISBN number / serial number
      - 30.3.2.14. Available count
      - 30.3.2.15. Edit link
      - 30.3.2.16. Delete link
      - 30.3.2.17. Issue detail link
    - 30.3.3. Issue Detail
      - 30.3.3.1. Title
      - 30.3.3.2. Borrower Name
      - 30.3.3.3. Borrower Class
      - 30.3.3.4. Borrower Section
      - 30.3.3.5. Issued date
      - 30.3.3.6. Due date ( Edit icon)
      - 30.3.3.7. Fine amount ( calculated)
      - 30.3.3.8. Book Return button ( backend call to update status to “RETURNED” and return date as current date)
      - 30.3.3.9. Create Fine Invoice ( Link to Manage invoice)
    - 30.3.4. Library settings
      - 30.3.4.1. Fine amount per day
      - 30.3.4.2. Permissible book count per person



- 30.3.4.3. Default book hold duration (in days)
- 30.3.4.4. Renewal count ( how many time the renew can be done).
- 30.3.4.5. Edit icon for each of these.
- 30.3.5. Issue to student
  - 30.3.5.1. Student Search Options (similar as report module)
    - 30.3.5.1.1. Name
    - 30.3.5.1.2. Class-Section with Roll Number
  - 30.3.5.2. Show the following details of the student
    - 30.3.5.2.1. Name
    - 30.3.5.2.2. Class
    - 30.3.5.2.3. Section
    - 30.3.5.2.4. Roll Number
    - 30.3.5.2.5. Search Book (ISBN 999) . User can search multiple books one by one. And for each book show below details .
    - 30.3.5.2.6. Show Book details
      - 30.3.5.2.6.1. Check Box
      - 30.3.5.2.6.2. Book ID / QR code
      - 30.3.5.2.6.3. Title
      - 30.3.5.2.6.4. Year of release
      - 30.3.5.2.6.5. Author name
      - 30.3.5.2.6.6. Status (Availibilty)
    - 30.3.5.2.7. Add an Assign button
- 30.3.6. Add book or Edit book
  - 30.3.6.1. Title
  - 30.3.6.2. Year of release
  - 30.3.6.3. Author name
  - 30.3.6.4. Content type (fiction , non-fiction)
  - 30.3.6.5. Tag/Topic ( eg: Nature, history - this book will appear if searched by “nature” or history )
  - 30.3.6.6. Number of copies
  - 30.3.6.7. Price
  - 30.3.6.8. Language
  - 30.3.6.9. Subject ( eg: History)
  - 30.3.6.10. Cover photo
  - 30.3.6.11. Type ( books, journals, newspaper, magazines, article and others)
  - 30.3.6.12. ISBN number / serial number
- 30.3.7. Book Loan History
  - 30.3.7.1. Book Borrower History
    - 30.3.7.1.1. Home page - Search options
      - 30.3.7.1.1.1. author
      - 30.3.7.1.1.2. Title
      - 30.3.7.1.1.3. ISBN / Serial number
    - 30.3.7.1.2. Details of the Book
      - 30.3.7.1.2.1. Title

- 30.3.7.1.2.2. Borrower Name
    - 30.3.7.1.2.3. Borrower Class
    - 30.3.7.1.2.4. Borrower Section
    - 30.3.7.1.2.5. Issued date
    - 30.3.7.1.2.6. Due date
    - 30.3.7.1.2.7. Availability (Status)
  - 30.3.7.2. User Borrowing History
    - 30.3.7.2.1. Home page - Search options
      - 30.3.7.2.1.1. User Display ID
      - 30.3.7.2.1.2. Search result would show below details of the user
        - 30.3.7.2.1.2.1. Name
        - 30.3.7.2.1.2.2. User Display ID
    - 30.3.7.2.2. Borrowed Books (A table of multiple book details)
      - 30.3.7.2.2.1. Title
      - 30.3.7.2.2.2. Author
      - 30.3.7.2.2.3. ISBN / Serial number
      - 30.3.7.2.2.4. Issued date
      - 30.3.7.2.2.5. Due date
      - 30.3.7.2.2.6. Status (Issued,Returned, Lost)
- 30.4. Certificate Management