Functional requirement

1. **Login**

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| **Requirement No** | **Requirement** |
| 1 | There will be three type of user. Admin, teacher, Student. |
| 2 | User can reset there password by using forget password. |
| 3 | To recover password user must have to put their email address or mobile number. |

1. **Admin**
   1. Dashboard

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| **Requirement No** | **Requirement** |
| 1 | Admin can see total number of student, teacher, subject |
| 2 | Admin can see his/her profile |
| 3 | He can also today student’s attendance |
| 4 | Notice board. |
| 5 | academic calendar |

* 1. Student

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Admin can add student by fill up the admission from (**follow admission from)** |
| 2 | admin can select class |
| 3 | Admin can search student by their name, id, email |
| 4 | Admin can see all student list |
| 5 | Admin can also see section wiz student list |
| 6 | Student table must be contain Photo, Name, Roll, email, guardian name and mobile number, action box |

* 1. Teacher

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | admin can add teacher(no change) |
| 2 | Admin can search teacher by using name, id, email |
| 3 | Admin can see all teacher list |
| 4 | teacher table must be contain Photo, Name, mobile number, email, action box |

* 1. Academic

2.4.1 Class

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | admin can add class(label use class, class numeric) |
| 2 | Admin can search class by using class numeric |
| 3 | Admin can see all class list |
| 4 | class table must be contain class, class numeric, total student, action box |

2.4.2 Section

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | admin can add section(label use section, category, capacity, class, teacher name) |
| 2 | **When admin select class 9-12 there will be another option select group.** |
| 3 | Maximum one teacher will be assign as a class teacher. |
| 4 | Admin have to select class to see section list |
| 5 | Admin can search section by using category |
| 6 | section table must be contain section, category, capacity, teacher name, action box |

2.4.3 Subject

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | admin can add subject(class, name, type, subject name, subject code) |
| 2 | Admin have to select class to see subject list |
| 3 | Admin can search subject by using subject code |
| 4 | section table must be contain subject code, Name, type, Action |

2.4.4 Syllabus

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | admin can add Syllabus (no change) |
| 2 | Admin have to select class to see Syllabus list |
| 3 | Admin can search Syllabus by using title |
| 4 | Syllabus table must be contain title, description, data, uploader, file, Action |

2.4.5 Routine

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | admin can add routine (no change) |
| 2 | Admin can see routine(no change) |

* 1. Attendance

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Admin can see all student attendance by select class. |
| 2 | Attendance table contain photo, name, roll, action. |

* 1. Exam management
     1. Exam

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Admin can add exam name and date. |
| 2 | Admin can search exam by using exam name. |
| 3 | Exam table contain exam name, date, Action. |

* + 1. Exam schedule

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Admin can add exam schedule(Exam name, class, Subject, Date, Time from, Time to,) |
| 2 | Admin can search exam by using class. |
| 3 | Exam table contain Exam name, class, Subject, Date, Time from, Time to, Action. |

* + 1. Grade

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Admin can add grade. labels (grade name, grade point, mark from, mark up to) |
| 2 | Admin can search grade by using id. |
| 3 | Grade table contain(grade name, point, mark from, mark up to, action |

* 1. Mark

2.7.1 Mark

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Admin can select class. |
| 2 | Admin can view all student mark. |

2.7.2 Mark distribution

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Admin can add mark distribution. Labels(mark distribution type, mark value) |
| 2 | Admin can search mark distribution type, mark value |
| 3 | Mark distribution table contain mark distribution type, mark value, action. |

2.7.3 Promotion

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Admin can promote class by select academic year and class. |
| 2 | Admin can promote class in two way one is normal and another is advance. |
| 3 | Admin can also change promotion mark by using setting |

* 1. Account

2.8.1 Fee type

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Admin can add fee type. |
| 2 | Admin can search free type by using title. |
| 3 | Fee table contain fee type and action. |

2.8.2 Invoice

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Admin can add invoice(label class, student, last date of payment, fee type) |
| 2 | Invoice table contain fee type, amount, subtotal, last date of payment and action. |

* 1. Announcement
     1. Notice

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Admin can add notice(no change) |
| 2 | Admin can search notice by using title. |
| 3 | Notice table contain from date, to date, details, action. |

* + 1. Event

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Admin can add event(no change) |
| 2 | Admin can search event by using title. |
| 3 | Event table contain from date.to date, details, action. |

* + 1. Holiday

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Admin can add holiday(no change) |
| 2 | Admin can search holiday by using title. |
| 3 | Holiday table contain from date.to date, details, action. |

* 1. mail/sms

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Admin can send student wiz mail/full class wiz mail. |
| 2 | Admin can send student wiz message/full class wiz message. |

1. **Teacher**
   1. Dashboard

|  |  |
| --- | --- |
| **Requirement No** | **Requirement** |
| 1 | Teacher can see total number of student, teacher, subject |
| 2 | Teacher can see his/her profile |
| 3 | Teacher can see the notice board. |
| 4 | Teacher can see the academic calendar |

* 1. Student

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Teacher can select class |
| 2 | Teacher can search student by their name, id, email |
| 3 | Teacher can see all student list |
| 4 | Teacher can also see section wiz student list |
| 5 | Student table must be contain Photo, Name, Roll, email, guardian name and mobile number, action box |

* 1. Teacher

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Teacher can search teacher by using name, id, email |
| 2 | Teacher can see all teacher list |
| 3 | teacher table must be contain Photo, Name, mobile number, email, action box |

* 1. Academic

3.4.1 Subject

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Teacher have to select class to see subject list |
| 2 | Teacher only see those subject list that he will teaching |
| 3 | Teacher can search subject by using subject code |
| 4 | subject table must be contain subject code, Name, type. |

3.4.2 Syllabus

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Teacher can add Syllabus (no change) |
| 2 | Teacher have to select class to see Syllabus list |
| 3 | Teacher can search Syllabus by using title |
| 4 | syllabus table must be contain title, description, data, uploader, file, Action |

3.4.3 Routine

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Teacher can see routine by select class. |
| 2 | In routine teacher will show only his class day, time |

* 1. Attendance
     1. Take Attendance(follow attendance from)

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Only subject teacher can give student attendance |
| 2 | Attendance list contain student name, roll, attendance-present/absent |
| 3 | Teacher can see all student attendance by select class. |

3.5.2 View Attendance (follow attendance from)

* 1. Exam
     1. Exam schedule

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Teacher can see exam schedule by selecting class |
| 2 | Teacher can search exam by using subject. |
| 3 | Exam table contain Exam name, class, Subject, Date, Time from, Time to. |

* 1. Mark

3.7.1 Add mark

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Teacher can add student mark. |
| 2 | Only subject teacher can add mark. |
| 3 | Add mark table as same as demo. |

3.7.2 View mark

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Teacher have to select class and subject to see student mark. |
| 2 | Teacher can see section wiz mark. |
| 3 | Mark list contain photo, name, roll, examname,action. |

* 1. announcement
     1. Notice

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Teacher can see notice. |
| 2 | Teacher can search notice by using title. |
| 3 | Notice table contain from date, to date, details, action. |

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* + 1. Event

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Teacher can see event. |
| 2 | Teacher can search event by using title. |
| 3 | Event table contain from date.to date, details, action. |

* + 1. Holiday

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Teacher can see holiday. |
| 2 | Teacher can search holiday by using title. |
| 3 | Holiday table contain from date.to date, details, action. |

1. **Student**
   1. Dashboard

|  |  |
| --- | --- |
| **Requirement No** | **Requirement** |
| 1 | student can see total number of teacher, subject, invoice |
| 2 | student can see his/her short profile |
| 3 | Student can see the notice board. |
| 4 | student can see the academic calendar |

* 1. My profile

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Student can print, preview and send his data by mail. |
| 2 | Student table contain profile, parents, Routine, Attendance, Mark, Invoice, payment. |

* 1. Teacher

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | student can search teacher by using name, id, email |
| 2 | student can see all teacher list |
| 3 | Teacher table must be contain Photo, Name, mobile number, email. |

* 1. Academic

3.4.1 Subject

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Student can see his/her subject list |
| 2 | Student can download or copy subject list as pdf, csv, excel |
| 3 | student only see his/her class subject list |
| 4 | student can search subject by using subject code |
| 5 | Subject table must be contain subject code, Name, teacher, type. |

3.4.2 Syllabus

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Student can see his Syllabus |
| 2 | Student can download or copy syllabus list as pdf, csv, excel |
| 3 | Syllabus table must be contain title, description, data, uploader, and file. |

3.4.3 Routine

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Student can see his routine. |
| 2 | Student can download or copy routine as pdf, csv, excel. |

* 1. My Attendance

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Student can see his or her subject wiz attendance. |

* 1. Exam
     1. Exam schedule

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Student can see his exam schedule. |
| 2 | Exam table contain Exam name, class, Subject, Date, Time from, Time to. |

* 1. Mark

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Student can see term/semester wiz mark |
| 2 | Student can download or copy mark list as pdf, csv, excel |
| 3 | Add mark table be like (result card) |

* 1. Account

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Student can see monthly payment amount |
| 2 | Payment table contain month, fee type , amount, last date of payment |

* 1. announcement
     1. Notice

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Student can see notice. |
| 2 | Student can search notice by using title. |
| 3 | Notice table contain from date, to date, details, action. |

* + 1. Event

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Student can see event. |
| 2 | Student can search event by using title. |
| 3 | Event table contain from date.to date, details, action. |

* + 1. Holiday

|  |  |
| --- | --- |
| **Requirement No** | Requirement |
| 1 | Student can see holiday |
| 2 | Student can search holiday by using title. |
| 3 | Holiday table contain from date.to date, details, action. |

1. **System**

|  |  |
| --- | --- |
| 1. | System will automatically sent attendance message to their guardian. |
| 2. | System will sent all exam mark to their guardian |