**Core Entities**

1. **Students**: Manages student personal, attendance and academic details.

* Students
* StudentAttendance

1. **StudentProgress**: Track student progress and promotions.

* StudentProgress

1. **Teachers**: Manages teacher personal, attendance and leaves.

* Teachers
* TeacherAttendance
* LeaveRequests

1. **Classes, Sections, and Classrooms**: Manage academic classes and physical classrooms.

* Classes
* Sections
* Classrooms

1. **Class Section Assignments**: Associates classes with sections and classrooms.

* ClassSectionAssignments

**Academic Features**

1. **Subjects and Timetables**: Manage subjects and schedules.

* Subjects
* ClassSubjects
* SubjectTeachers
* Timetables

1. **Exams and Exam Results**: Record exams and results.

* Grades
* Exams
* ExamResults
* Transcripts

**Sponsor Management**

1. **Sponsor Registration and Profile Management:** Manage sponsors, sponsorships and payments.

* Sponsors
* Sponsorships
* SponsorPayments

**Fees Management:**

1. **Fee Structure and Payments:** Manage fees, sponsors, and sponsorships.

* FeeCategories
* ClassFees
* StudentFees
* FeeVouchers
* FeeVoucherPayments
* FeeAdjustments

**Financial Features:**

1. **Accounting**: Basic accounting for journal entries and ledger accounts.

* LedgerAccounts
* JournalEntries
* JournalEntryDetails
* Vouchers
* VoucherEntries
* Budgets
* Currencies
* AuditTrails

**Human Resources**

1. **Staff and Payroll**: Manage staff details and payroll.

* Staff
* Payroll

1. **Staff Attendance and Leave Management**: Track staff attendance and leaves.

* StaffAttendance
* Leaves

1. **Appraisals & Trainings**

* PerformanceAppraisals
* Trainings
* Benefits

**Guardian Engagement**

1. **Parents Management:** Mange Parent and Track Student Performance

* Parents
* StudentParent
* ParentFeedback

**Admissions**

1. **Applicants and Applications**: Manage the admission process.

* Applicants
* Applications

1. **Admission Tests and Admissions**: Record admission test results and admissions.

* AdmissionTests
* Admissions

**Notification Feature:**

1. **Notify:** Mange Notification to System User

* Notifications
* EmailLogs

**Authentication and Authorization:**

1. **User Access Control: Mange User Access and Permission to the System**

* Users
* UserRoles
* UserPermissions

**Reporting and Analysing Features:**

1. **Student Reports**

* Attendance Reports: Track student attendance by class, section, or individual.
* Performance Reports: Analyse student performance across subjects and exams.

1. **Teacher Reports**

* Attendance Reports: Track teacher attendance and leave records.
* Performance Reports: Evaluate teacher performance based on student outcomes and feedback.

1. **Academic Reports**

* Class Schedules: Overview of class timetables and allocations.
* Exam Reports: Results analysis for exams conducted, including pass/fail rates.
* Curriculum Reports: Review of course completion and curriculum coverage.

1. **Financial Reports**

* Fee Collection Reports: Summarize fees collected by category and period.
* Outstanding Dues Reports: List outstanding dues by student or sponsor.
* Sponsorship Reports: Details of sponsorship contributions and usage.

1. **HR and Payroll Reports**

* Staff Reports: Staff details, including department and position distribution.
* Payroll Reports: Salary payments, deductions, and bonuses.

1. **Administrative Reports**
   * Admissions Reports: Track applications, admissions, and enrolments by period.
   * Infrastructure Reports: Utilization of resources like classrooms and facilities.
2. **Custom Reports**

* Dashboards: Provide real-time data visualization for quick insights into critical metrics.
* Export Options: Allow exporting reports in various formats, such as PDF, Excel, or CSV.
* Scheduled Reports: Enable automated report generation and delivery via email at regular intervals.
* Interactive Reports: Provide filters and drill-down options for more detailed analysis.