

# STEM SOFT LIMITED

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# STEM SCHOOL MANAGEMENT SOFTWARE

Sugaling



#### Who We Are

STEM SOFT LIMITED is a web design, Software development and networking oriented company, based in Bangladesh. It has started its journey since 2008 as Proprietary concern TEN TRADE TECHNOLOGY and upgraded its entity to Private Limited Company by name of STEM SOFT LIMITED. It has started its goal to run and strived successfully establish a distinguished place with the target for giving maximum effort with their "Quality of Work" and "Commitment of Word" to its clients.

#### Strength:

- 1. Its Management expertise's has been serving for more than decade.
- **2.** Offering professional services in Web design, development and Customized Enterprise Resource software.
- 3. It also provides computer Graphics work for Web publishing, E-Commerce and Networking.
- **4.** It works through offshore outsourcing.
- **5.** Extensive Enterprise Resource software named Electrum Office which includes Accounts, inventory, Payroll, Sales, Budgeting, HRM & PMIS, Leave Automation, and STEM SOFT SCHOOL, which is school management software.

#### Mission & Vision:

- 1. To create a broad market to provide, served and maintain quality and commitment for its clients, considering the view that can meet local software with high, local and International standard.
- **2.** To promote advance scientific research in Information Technology.
- **3.** To solve employment problem by providing universally available, high quality, affordable communication and information technology services to create a brand worldwide.
- **4.** To provide fast and finest solution rather than much paper works.
- **5.** All in all This STEM SOFT LIMITED is the name that has appeared in IT world not only to increase profitability but also with the vision for economic development in local Area.

#### **Student Management System:**

- 1. A complete package of Student and Institutional Information Management System.
- 2. It would provide reports of any student's Identical Details, Courses and Curriculums Status, Fees Collection Procedure and overall day to day academic activities.
- 3. This software is useful especially for educational institution as it can be used for all reporting purpose, as: tracking of attendance, progress in the course, completed semesters years, coming semester year curriculum details, exam details, project or any other assignment details, final exam result etc.
- 4. It is designed to all the activities happening in the university, college, school; even we can get to know which faculty is assigned to which course, the current status of a student, attendance percentage of a student and upcoming requirements of a student.

#### **Objectives of STEM SOFT SCHOOL:**

- 1. Computerized software as **STEM SOFT SCHOOL** helps to maintain all kinds of Academic, Teacher & Student Data in a systematic way of accuracy and transparency.
- **2.** It helps to get any report of educational institution with less time and manpower which is also cost effective.
- 3. It is to provide maximum support to school, college, university managements for managing students and



their academic activities along with supervision and forecasting their status.

- **4.** Our system has two type of accessing modes, administrator and user. Student management system is managed by an administrator. It is the job of the administrator to insert update and monitor the whole process. When a user log in to the system, system has seven modules, they are administrator, student, course, department, exam, attendance, and section. These modules and its attributes with entity relationship module presented in the ER diagram section.
- 5. This software will help to take managerial decisions to the key persons from the reports. This software is designed and developed by expert personnel who had worked hard to cover the needs for manage their institute. This project will handle whole the activities of the school. SMS has most of the facilities that a modern school requires to computerize its day-to-day jobs. It provides facilities to keep the records of student, fees, teaching and non-teaching staff with all their required details along with all required transaction handling. It has facilities to generate various types of reports, which are required by the management during normal business operations to operate the business effectively.

#### **HARDWARE & SOFTWARE REQUIREMENT HARDWARE:**

i. Processor Core 2 Duo

ii. Processor Speed 2.5 GHz

iii. Hard Disk Space 500 GB (min.)

iv. Ram Memory 4GB

v. SOFTWARE: Operating System Windows 10/8/7

vi. Database : Mysql Language :PHPvii. WEBSERVER : Apache v2.2+

#### The Educational based School Management software project has 6 modules.

1. Student

2. Teachers

Principal

4. Administrator

Parents

6. Accounts & Tuition Fee Collection

#### STUDENT MODULE

In this module, every student is provided with a unique username and password. So that student can log in to view his attendance details, academic details, cultural details, fee details.

The sub-forms are:

- View Attendance
- Time Table
- Examinations
- Report Card
- Fee Details/Payment
- Leaves Details
- Holidays
- Reports

#### **TEACHER MODULE**

In this module, every teacher is provided with a unique username and password. So that teacher can login to view his attendance details, class details, cultural details, salary details, reports.

The sub-forms are:



- Time Table
- Examination Schedule
- Mark sheet Entry for students
- Maintain Attendance of students
- Class Routine
- View School Timings
- Holidays
- Reports

#### **PRINCIPAL MODULE**

In this module principal is provided with a unique username and password. So that principal can login to view his class attendance details, academic details, cultural details, pay roll management. He can allocate rooms.

#### The sub-modules are:

- Timetable Management
- Office Management
- Attendance Maintenance
- Academic Management
- Examination & Mark sheet Generation
- Reports

#### **ADMIN MODULE:**

The Administration Module is one of the key modules of School Manager provides a comprehensive set of tools which helps the management to manage various budgetary details. This automates common administrative tasks, increase efficiency and accountability, and eliminates paper-pushing and workflow bottlenecks. It contains the budget head, budget create, donation and occurrence. In short this, module manages the entire money flow in the institution.

#### The sub-modules are:

- Student Fee Management
- Accounts & Finance Management
- HRD
- Security
- Reports

#### **PARENT MODULE:**

In this module, every parent is provided with a unique username and password. So that parent can login to view his/her child attendance details, academic details, cultural details, fee management.

#### The sub-forms are:

- Student Attendance
- Student Mark sheet
- Student Activities
- Fee Management

#### **Accounts & Tuition Fee Collection:**

This module designed to support complete accounts functions.

- All Type of Voucher Entry
- Daily, Periodic, Monthly Reports
- Journals and ledgers
- Party Ledgers
- Fees & Collections
- Yearly Reports (PL Accounts, Balance Sheet etc.)



#### Why Use STEM SOFT SCHOOL?

#### Centralized Database System

In Centralized system all sorts of Teachers and Students information as well as their transaction histories or ledgers are stored in the Central Server at Data Center. Branches having proper authorization procedures log on to this central server through remote networking media like remote networking and make business transactions as well as fetch reports of various kinds.

#### **Network Compatibility**

STEM SOFT SCHOOL is Compatible with Wide Area network between Head Office & Branch office and Local Area network between Departments. STEM SOFT SCHOOL is developed to provide maximum support to Students, Management, Teachers, Accounts and admin Department For Managing Attend, Absent, Class, Exam, Result and Tuition Fees. This software will help to take managerial decisions to the key persons from the reports.

#### Fastest and effective Reports and Search Ability

STEM SOFT SCHOOL Includes various kind of report like Personal , Attend, Absent, Late, Overtime, Production Summary, production report detail, Project, Style, Style Rates, salary, Compliance etc. There are also search forms to find different kind of data within this database.

#### **Editing Records**

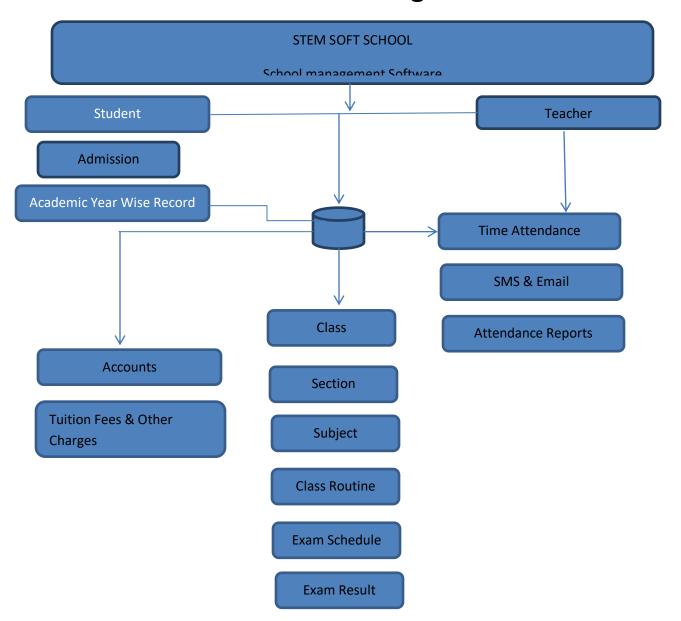
STEM SOFT SCHOOL has various edit forms to manage mistakes in employee, attend, Project, production, style and rates Information's. It has some other features to manage the database easily which make this software unique.

#### **Advantages**

- \* Wide Area network between Head Office & Branch office
- Local Area network between Departments
- \* High Security
- Centralized Database System
- \* Graphical Representation
- \* Proximity card, Finger Print, Digital Id card Support
- \* Separate Time Card for Students and teachers.
- \* Emailing & SMS Support.



### **Software Diagram**





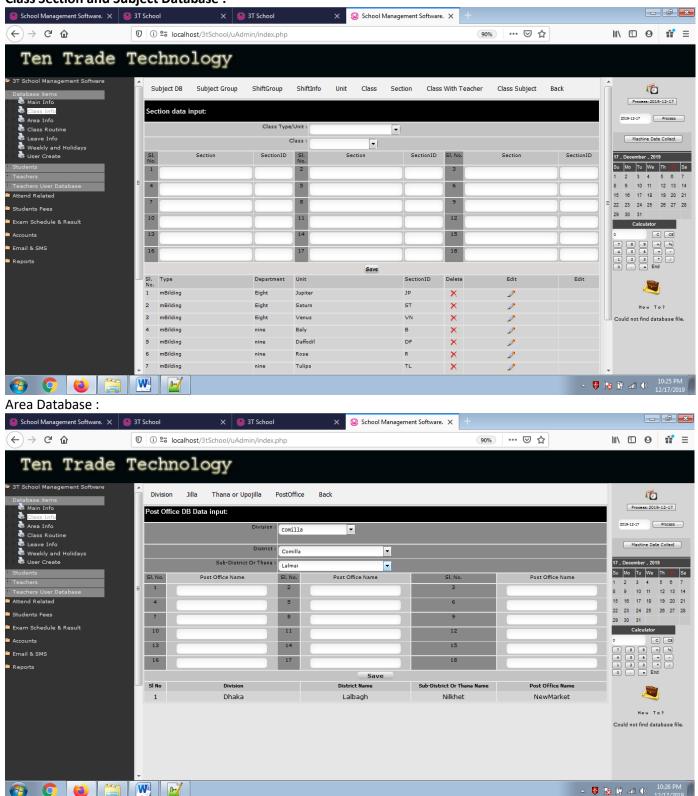
## **Graphical Representation**

Log In page: (←) → ℃ む II\ □ Θ **ii** ≡ ① © localhost/3tSchool/ ... ⊍ ☆ STEM SCHOOL MANAGEMENT SOFTWARE W △ 😽 😼 👺 📶 🕩 10:21 PM **Database Items:**  School Management Software. 
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School Management Software. × × @ 3T School (←) → C û **Ū** ☐ **25** localhost/3tSchool/uAdmin/index.php 90% ⋯ ☑ ☆ II\ □ Θ # ≡ Ten Trade Technology Institute Name Education Level Religion OffDay Name HR Incharge Blood Group Job Type Grade Room No 10 Process: 2019-12-17 Class Info
Area Info
Class Routine Institute Info Data input: Institute Name : Leave Info Machine Date Collect Weekly and Holidays User Create Phone No : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 File Logo Upload Date Stublishment . Could not find database file. W △ 😽 😼 👺 📶 (I) 10:22 PM

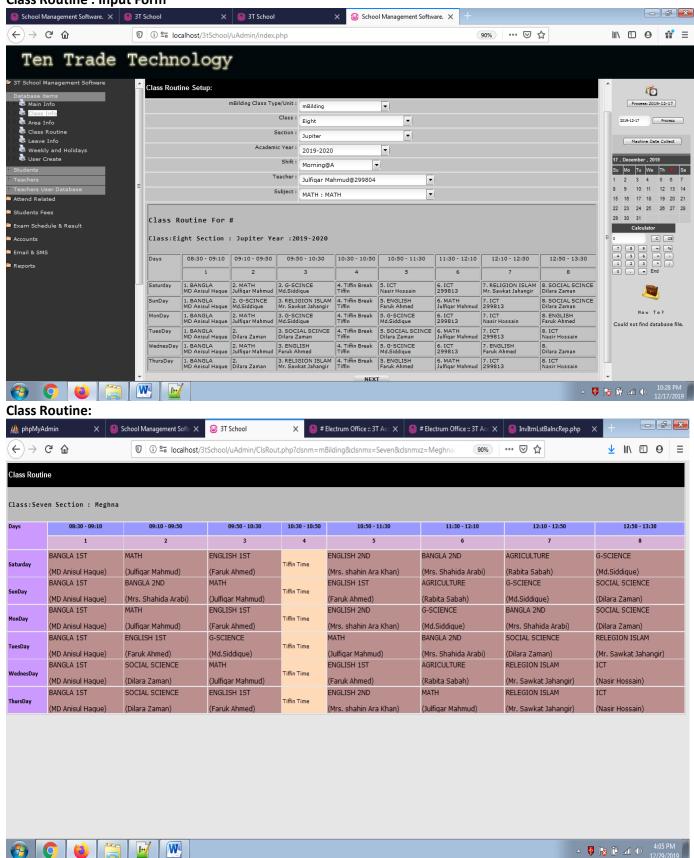


**Class Section and Subject Database:** 



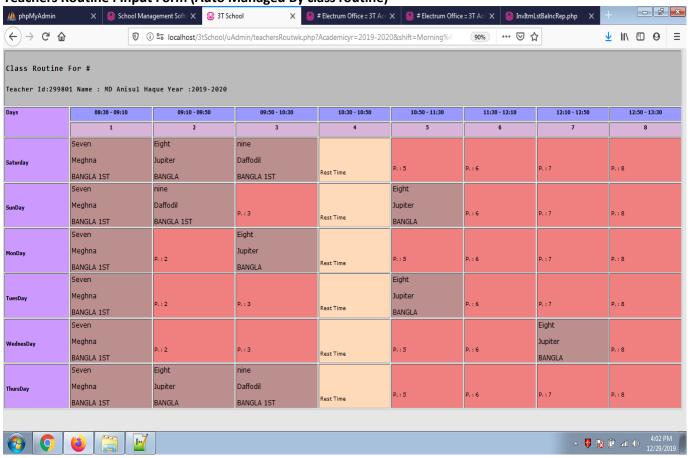


**Class Routine: Input Form** 

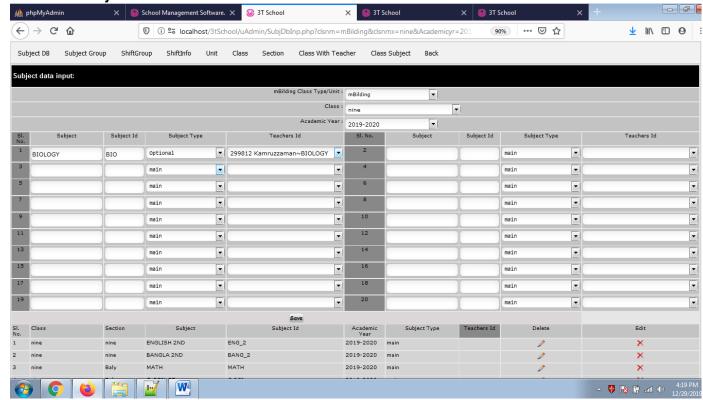




**Teachers Routine : Input Form (Auto Managed By class routine)** 



#### Class wise Subject DB:





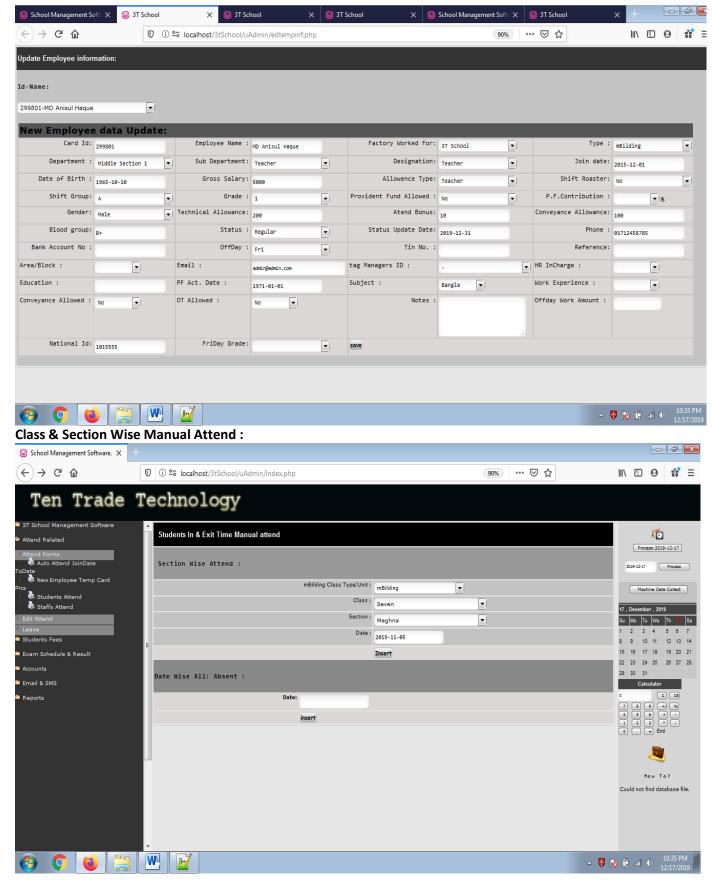
Student Iformation Database Input Form							
Basic Information							
Student Name :	karim Uddin	Short Name :	Karim				
D.O.B. :	2005-01-01	Gender :					
Religion :							
Blood Group:	O+						
Phone :	01687566448	Picture					
Extra Activity :	na	Hobby :	na				
Parental Information							
Fathers Name :	Karim Ullah	Mothers Name :	Hashi Akter				
Fathers Profession :	Employee	Mothers Profession :	Housewife				
Fathers Age :	42	Mothers Age :	37				
Fathers Phone :	01687566447	Mothers Phone :	0168756644€				
Fathers Email :	Karim@gmail	Mothers Email :					
Fathers NID :	3261613385	Mothers NID :	3261613379				
	164,New Palton,Azimpur,Dhaka-1		164,New Palton,Azimpur,Dhaka-				
Permanent Address :		Present Address :					
	1		1				
Admission Iformation							
Admission Form No :	19120002	Registration No :	19120002				
Previous Institute :	abc School	Previous Class :	6				
Previous Grade :	na	TC Form No :	na				
Academic Information							
Join Date :	2020-01-01	Academic Year:					



	School :		
	Student Id :		
19120002			
Finger/Card Id : 19120002		Back Id :	19120002
Unit :			
	Class:		
	Section :		
Cla	ss Roll No : 2	2	
Sub	ject Group :		
Class	Teacher ID :		
Accounts and Other Information	ļ.		
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Shift Group :			
	Shift:		
Monthly Fees(Pay	ment) Type :		
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If Siblings Has			
Siblings 1 Registration No:		Siblings 2 Registration No:	
Siblings 1 Name:		Siblings 2 Name:	

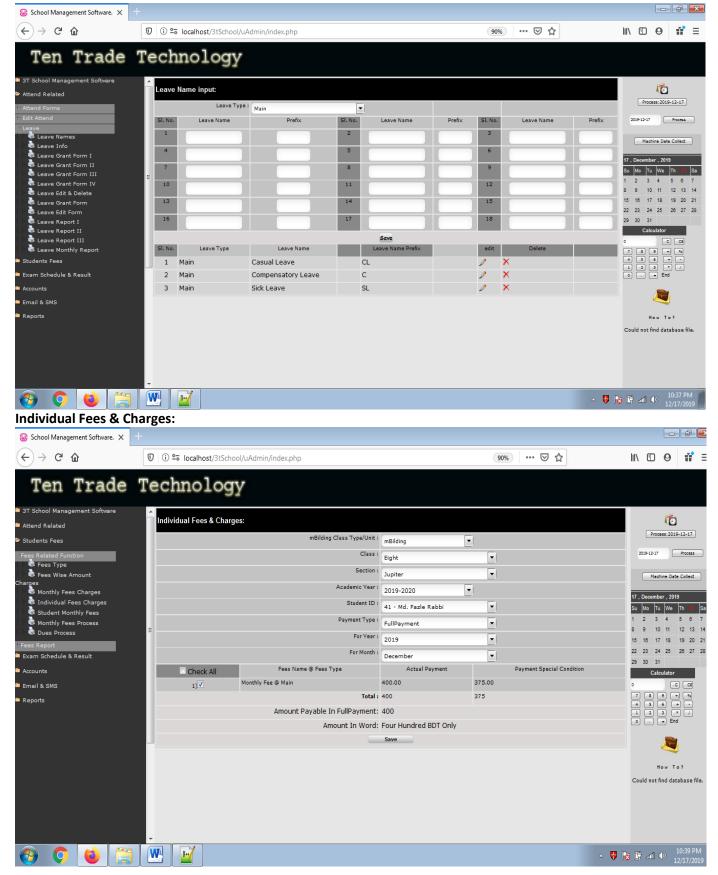
#### **Teachers Database:**





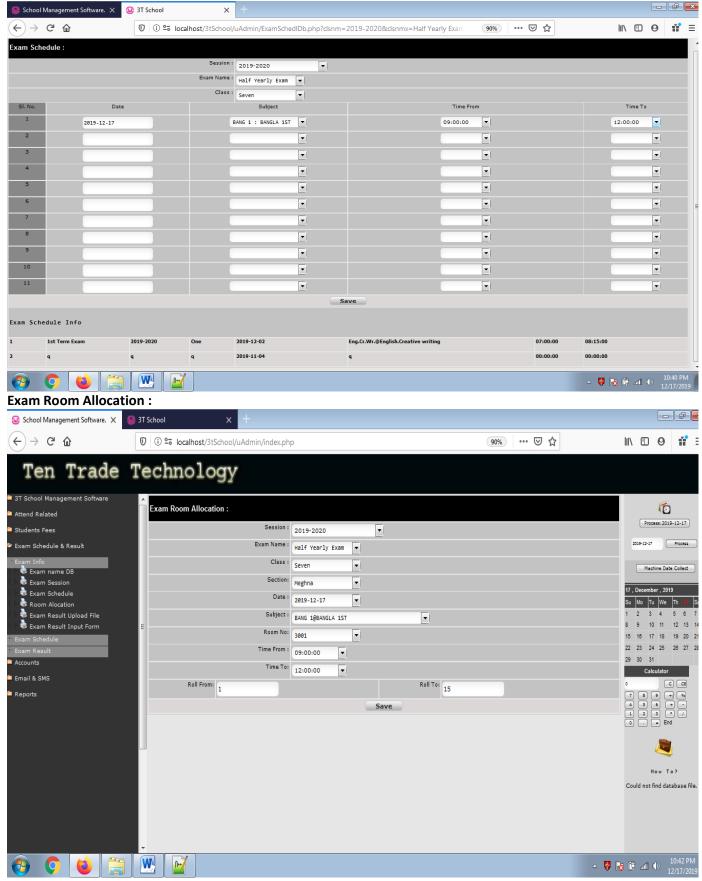
#### **Leave Forms:**





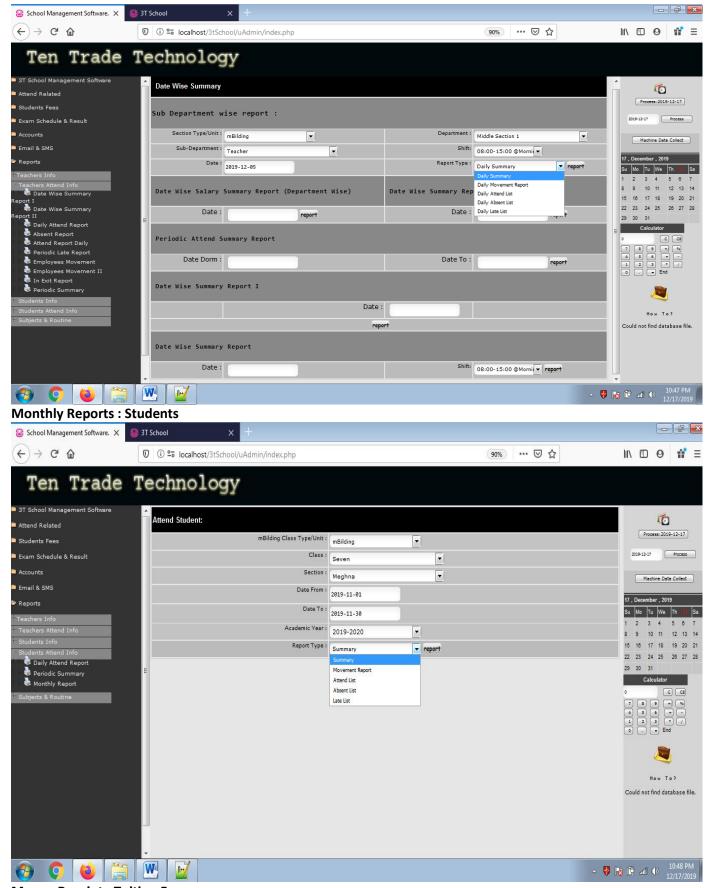
#### **Exam Schedule:**





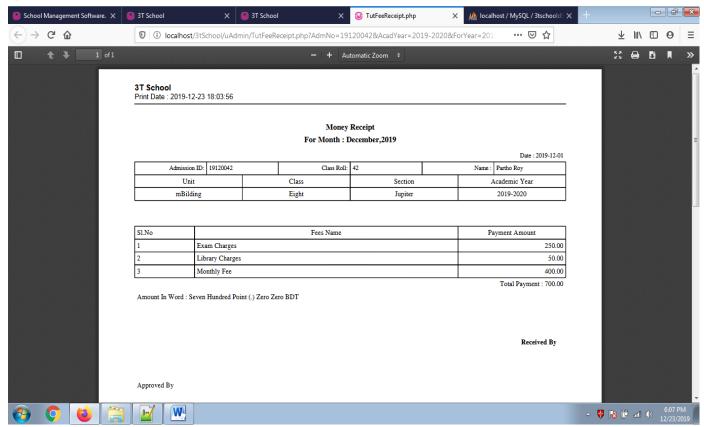
**Teachers Daily Reports & Head Count Summary:** 



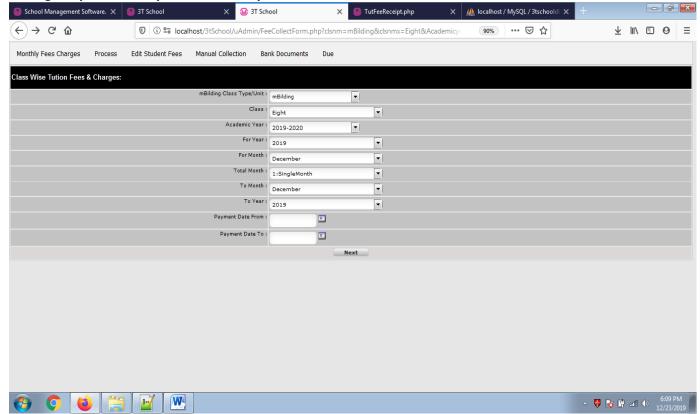


**Money Receipt: Tuition Fees** 



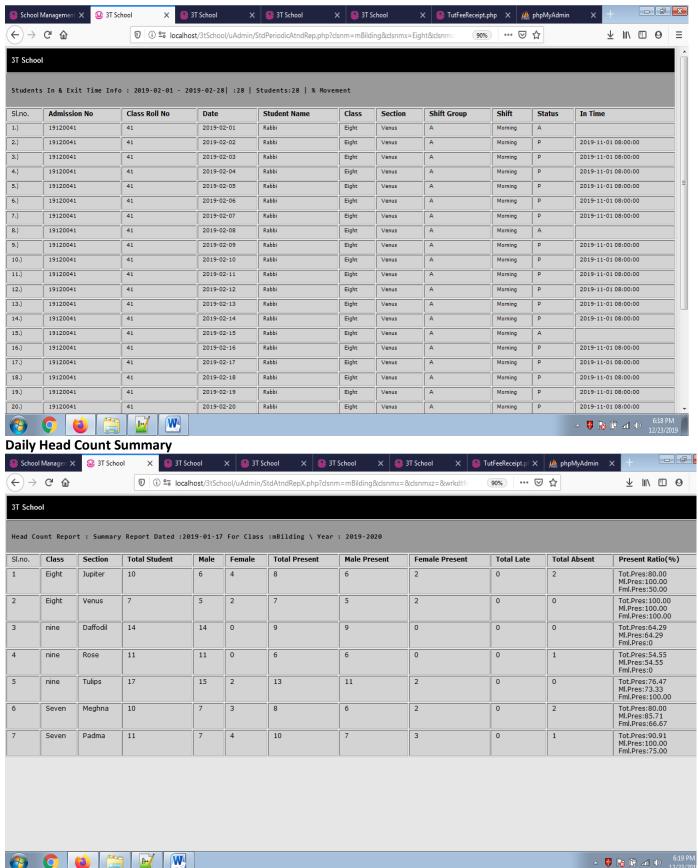


**Managed By Bank Or Payment Receive by Accounts** 



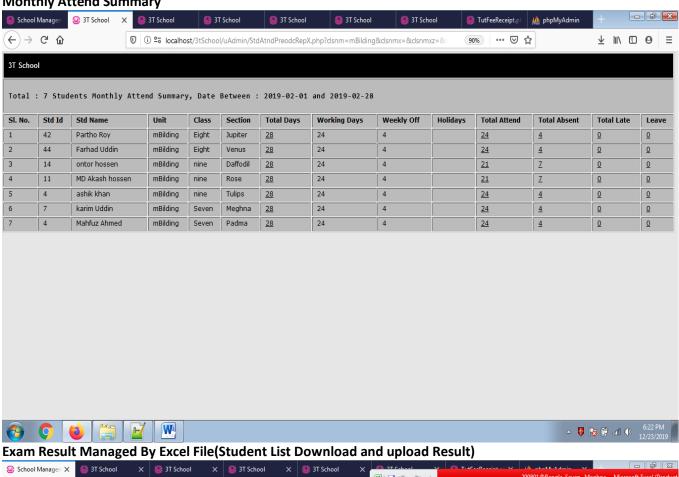
#### **Students movement Report**

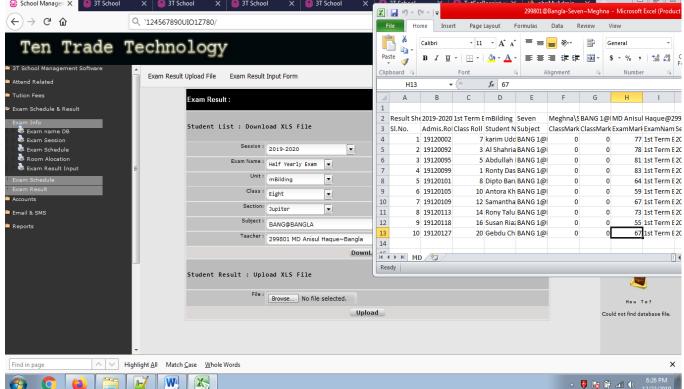






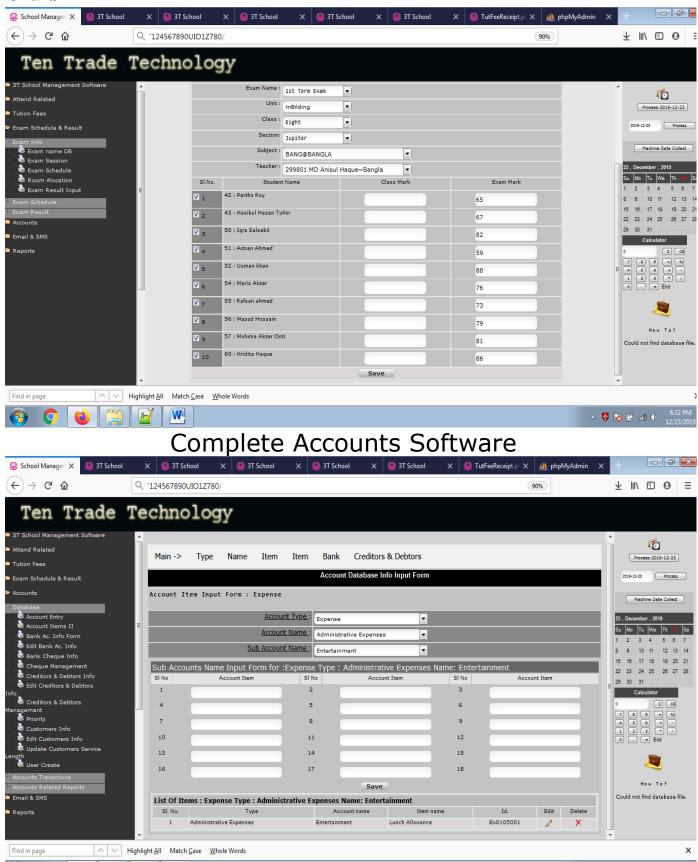






**Exam Result Managed Manually (Result Input Form)** 



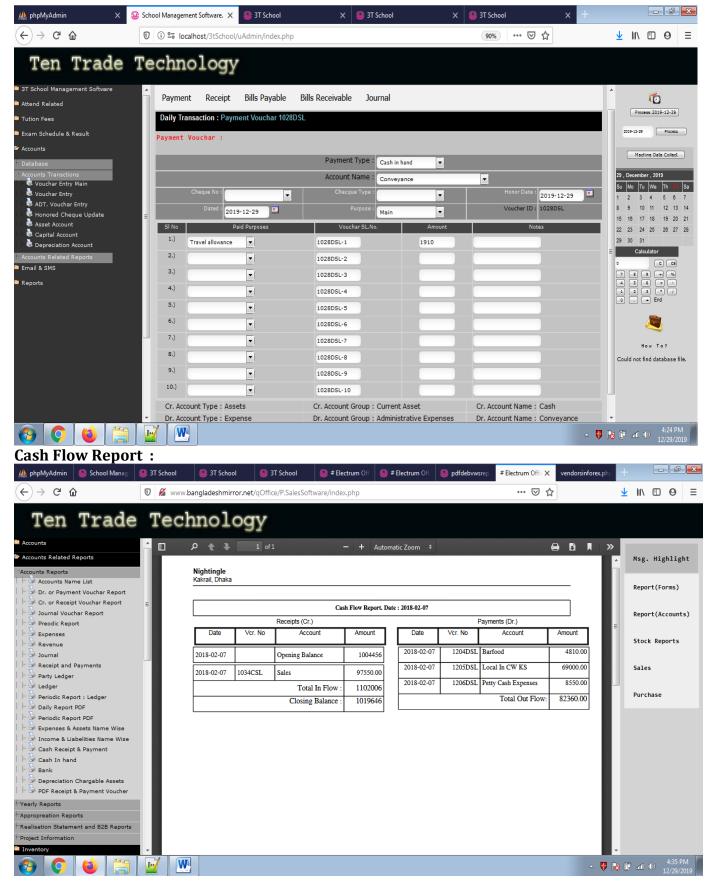


**Voucher Entry** 

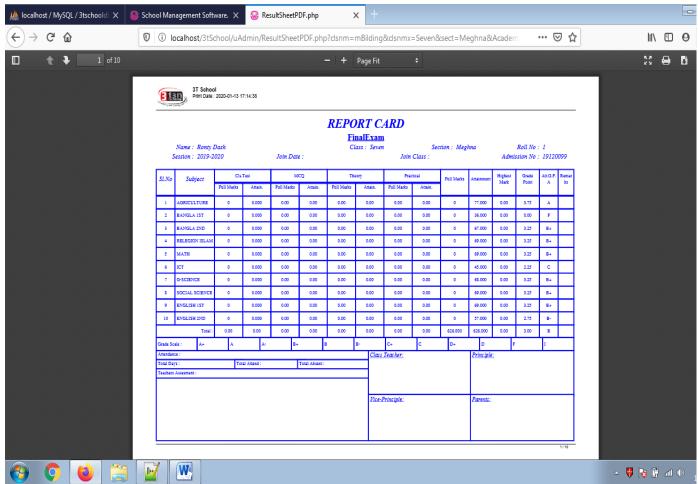
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Software Development & Consulting Service Agreement

#### **Consulting Services**

System analysis, Program development, & personnel Training.

STEM SOFT LIMITED shall develop software to modify, customize, amend, and enhance for fulfilling the requirement of The Institute.

#### **Development Phases & Sub Phases**

a)As per conversation with The Client personnel STEM SOFT LIMITED has designed the program b)Specify the limitation of software

- c) If the product doesn't support client, it should start from the beginning.
- d) STEM SOFT LIMITED shall deliver the complete software within Fifteen Days after signing the agreement.

#### Responsibilities

STEM SOFT LIMITED will provide Software Documentation as tutorial with complete software and ensure proper training along with necessary documents to manage software.



STEM SOFT LIMITED Should ensure smooth run of the Software. For any troubleshoot and any occurrence in the system of software notified by phone, STEM SOFT LIMITED will take proper steps to solve the problem as soon as possible. STEM SOFT LIMITED will maintain the Confidentiality and security of the system.

#### **Terms of the Agreement**

This agreement is effective as on the date it is signed by the both parties. The terms and conditions will remain in effect until STEM SOFT LIMITED has delivered and The Client has accepted software. STEM SOFT LIMITED will not responsible for Any damage of Software caused by hardware or power failure or Wrong data input of the client Operator. The Client Will Provide contracts for any failure caused and will notify by phone for further solutions. STEM SOFT LIMITED has rights to contract with other company for similar works.

Software	Renewal
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#### **Payment method**

The Client Have to pay STEM SOFT LIMITED 50% of its costs as advance.

STEM SOFT LIMITED will handover products before or on delivery date and The Client will pay the rest of the amount on date.



Pricing								
			Subscription P			r		
SI. No.	Student Total Range				nt Time	Cha	arges Per student	
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Sl. No.	Service		Qty		Rate		Minimum Qty.	
1.	Fingerprint Device		1 nos.		12500/-		1nos.	
	ZK-F-19 (1 year warranty)	•						
2.	Card print Package	1 n				40/-	100 nos.	
3.	Device & Server Network Se	etup 1Device					1Device+1PC	
4.	Network Cable	1Mtr			23/-		25Mtr.	
5.	Other Machineries and Equi	pment's	(as per requ	irement)	-		-	