



**INFOTECH LAB**

Technology to connect business with information

## Cloud based ERP solution for Institute Management

Submitted to

**The Principal**

**P. N. DAS COLLEGE**

**P.O. Bengal Enamel**

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**Submitted by:**

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Date: 03.05.2021

Respected Sir,

In response to your enquiry and after the discussions we had, we are honoured to submit our proposal in respect of Cloud based ERP software for Institute Management, AIMES CLOUD. The details are provided for your kind perusal.

I take this opportunity to introduce ourselves as Kolkata based software and web based software developing company providing our solutions and services to the educational sector for over a decade. We take immense pleasure to inform you that currently we are working for various institutes under Calcutta University, West Bengal State University, Vidyasagar University, Burdwan University, Kalyani University, Kazi Nazrul University and various Engineering Colleges and various Management Schools.

I look forward to meeting you in person at your earliest possible convenience, to provide a complete demonstration of the entire solution along with all its modules.

Regards

Siddhartha Dutta

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## CLOUD ERP SOLUTION FOR CBCS INSTITUTE

**AIMES CLOUD** is a web based ERP application to manage all aspects of student, Staff and Management. Aimes Cloud is hosted in cloud server thus allowing to access information at any point of time using any internet enabled devices. The cloud application allows linking any payment gateway or bank to manage any kind of financial transaction from the student end for their respective fees payment. The cloud application can be integrated with the SMS and E-mail server for sending various kinds of SMS and E-mail alerts. It also introduces a complete **ERP** solution integrating all the department of the institute with a modular approach.

The modules are ready to use at various departments of the institute and provide the freedom to the user to access the essence of the system with proper inter modular data exchange and data sharing on behalf of control of the administrative bird eye.

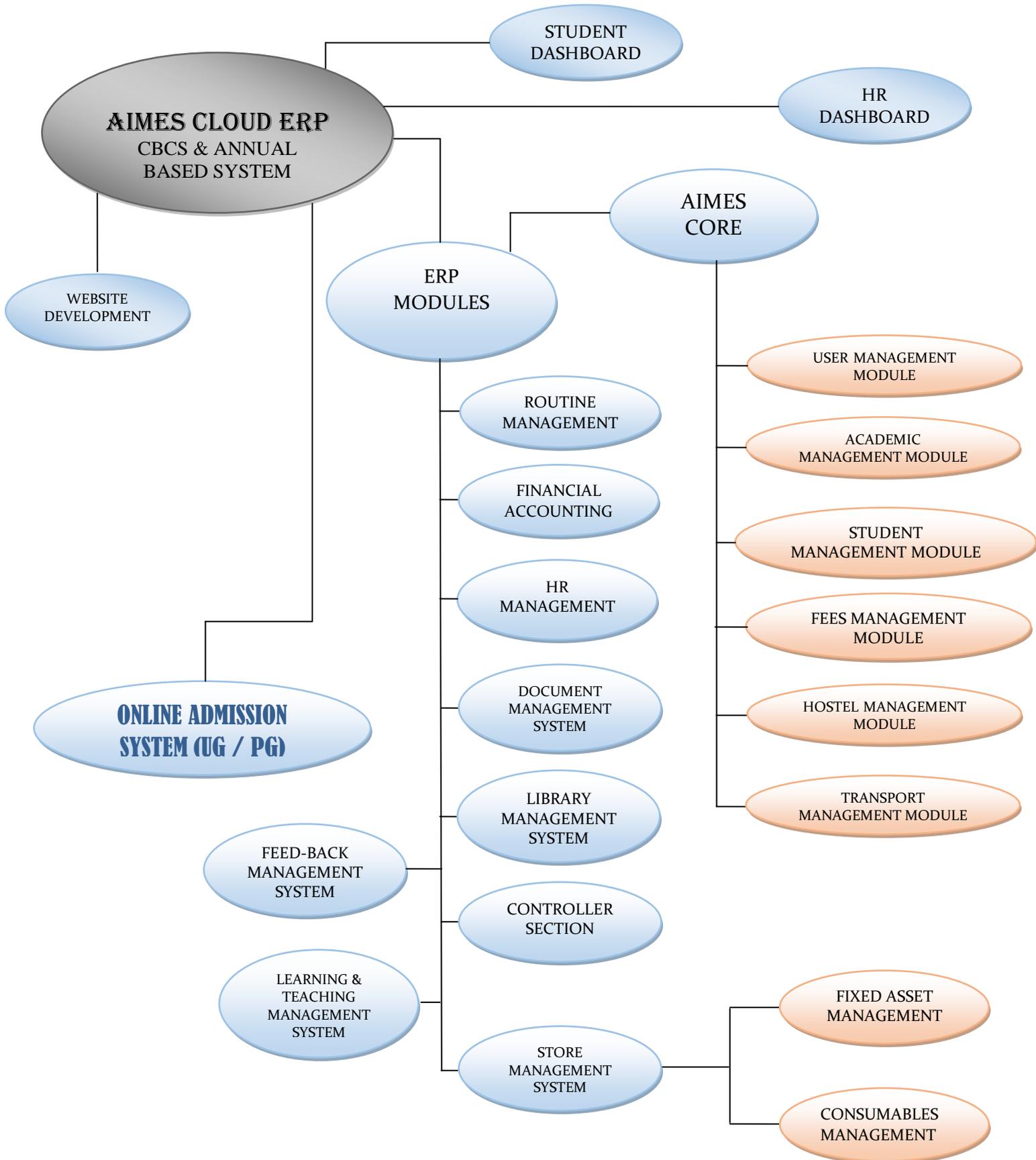
As different level of educational institute works on different administrative & educational process which gives power to Administrators, Management Team, Institute Employees, Teachers, Students and Parents. Keeping in mind this nature of working of different type of educational institutes the Aimes ERP Team has developed different versions of Aimes.

### Highlights of Aimes Cloud:

- Access Data from anywhere remotely.
- No big IT infrastructure needed.
- Highly secured data with daily auto back up facility from client end.
- Online & Offline Payment Facilities as per the need of the institute and students.
- Work distribution at various stages for more enhanced and skilled foolproof data.
- SMS and E-mail alert at every possible juncture for security and mass information.



## DIAGRAMATIC REPRESENTATION OF AIMES CLOUD





## AIMES CORE (Student Management System)

### *Features*

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- Student admission data
- Student ID creation
- Student details (Personal Profile and 10+2 Academic Records)
- Student Photo & Signature
- Student Document Storage
- Internal examination marks
- University examination marks
- Student Attendance
- Admission cancel
- Course change
- Student ID Card generation
- Student Library card generation
- Student provisional promotion
- Smart card mapping
- Fees Payment Scheduling
- Student Fees Management
- Payment
- Due list
- Concession Handling
- Scholarship Handling
- Hostel Mapping
- Transportation Mapping
- Online / Offline Payment Facility
- Certificate handling (Character, Transfer, College Leaving, Concessions, Attendance, Admission Cancellation e.t.c.)
- Grievance redressal

### *Reports (Academic + MIS)*

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- Semester/ year wise admitted Student list
- Student general information
- Student subject relation
- Student ID card generation
- Student document submitted report
- Student promotion list
- Certificate generation(Character Certificate / Transfer Certificate/ Concession (Bus/train))
- Student university registration data
- Evaluation record report
- Student subject group report
- Letter to parent
- Student photo extraction
- Evaluation sheet



## *Reports (Financial)*

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- Fee plan detail
- Fee receipt
- Extra fee entry receipt
- Fee challan
- Refund fee receipt
- Duplicate receipt
- Fee collection report (format 1)
- Fee collection report (format 2)
- Student fee deposit status
- Due fee report
- Cheque /DD/Online/Cash collection report
- Fee challan detail report
- User wise fee collection report
- Due letter
- Expenditure certificate
- Advance deposition report
- Refund fee report

## ***STUDENT DASHBOARD***

### *Features*

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- Pay fees Online
- Upload document
- Profile update
- Subject change request
- Attendance Report
- Examination marks report
- Fees Report
- Due Notification
- Concession Request (Transport)
- Student Feed Back
- Support
- Online Library Status (If Library Management System is Implemented)
- Grievance handling
- Alumni



## ***FINANCIAL ACCOUNTING***

### *Features*

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- Budget preparation
- Integrated with student fees transaction.
- Integrated with store management.
- Integrated with fixed asset management.
- Integrated with library management.
- Integrated with salary.
- Ledger Group Creation
- Ledger Master Creation
- Sub Ledger Creation
- Department Wise expenditure tracking
- Voucher Creation(Journal, Payment, Receipt, Purchase, Sales, Debit Note, Credit Note ,Contra Entry)
- Voucher Modification
- Cash Book Entry
- Bank Reconciliation

### *Reports*

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- Bank Reconciliation statement.
- Ledger Statement
- Voucher Statement
- Voucher Register (Journal, Payment, Receipt, Purchase, Sales, Debit Note, Credit Note )
- Cash Book statement
- Fund Statement
- Budget vs Actual transaction.
- Receipt & Payment statement
- Income & Expenditure Statement
- Fund Balance

## ***HR MANAGEMENT SYSTEM***

### *Features*

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- Employee Master details creation.
- Leave Details Creation
- Leave Information Calendar
- Leave Application Acceptance & Approval
- Employee Attendance Master linked with Biometric
- Student Attendance Register Maintenance (Faculty End)
- Academic Marks Entry Module (Faculty End)
- Pay / Allowance Type
- Deduction Type
- Loan Type Creation
- Loan Applications Management & Approval
- Pay Scale Creation
- Personal Profile Creation with Picture
- Formula Creation i.e. DA rate creation.
- Salary Creation.
- Pay Slip Generation
- Provident Fund Deposit Information with Input & Update Facility



## Reports

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- Pay Packet Report
- Salary Bill Report
- Professional Tax Report
- Pay Slip Report
- Income/Allowance Report
- Deduction Report / Acquittance Report
- PF Reports / Loan Report

## ***HR DASHBOARD***

## Features

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- Individual Employee Login
- Individual Employee Documents Upload Facility
- Online Loan Application Facility
- Online Leave Application Facility
- Online Pay Slip Generation (Show & Download Facility)
- Online PF Records (Show & Download Facility)
- Online Leave History (Show & Download Facility)

## ***DOCUMENT/MEETING MANAGEMENT SYSTEM***

## Features

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- Document Type Master Creation
- Document Upload and Achieve Facility (.jpeg, .png, .pdf)
- Access Documents as Per User Permissions
- Document Access System Activation
- E Digitization done as per NAAC terms
- Total record keeping of regular meetings including minutes, agenda, resolutions of various types of meetings like GB meeting, extraordinary meeting, finance committee meeting, academic council meeting etc.

## ***INVENTORY / STORE MANAGEMENT SYSTEM***

## Features

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- Easy Identification of all material stored.
- Receipt of incoming goods.
- Inspection of all receipts.
- Storage and preservation.
- Easy to Handle Materials.
- Issue by FIFO.
- Maintenance of stock records.
- Stores accounting.
- Controlled Inventory.
- Easy for Stock-taking.



## Advantages of the Store & Fixed Asset Management System

- OPTIMUM LEVEL OF SERVICE TO USERS DEPARTMENT.
- BETTER INTERNAL CONTROL,
- ECONOMY IN STORAGE SPACE AND MATERIAL HANDLING.
- SINGLE POINT DELIVERY AND SINGLE POINT INSPECTION.
- SPEEDY COMMUNICATION WITH PURCHASE DEPARTMENT AND VARIOUS SUPPLIERS.
- PROVIDES OPPORTUNITIES FOR STANDARDIZATION,
- PROBABILITY OF OBSOLESCENCE IS REDUCED DUE TO HIGHER INVENTORY TURNOVER,
- USERS DEPARTMENTS ARE PROVIDED WITH A WIDE VARIETY OF MATERIALS.
- AVOIDS DUPLICATION OF EFFORTS.
- TRACKING OF RAW MATERIAL CONSUPTION

## ***LIBRARY MANAGEMENT SYSTEM***

### *Features*

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- Library membership master
- Library item master
- Book Reservation
- Book bank transaction
- Book Bank Issue
- Book Bank Receipt
- Fine Calculation
- Serial / News paper subscription
- Receive serial / News paper
- Library Opac search / Dynamic search
- Editing
- Library verification

### *Reports*

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- Library group master report
- Publisher master report
- Book category master report
- Library membership master report
- Library item master report / Library transaction report
- Book bank transaction report
- Serial / News paper subscription report
- Receive serial report / Receive news paper report
- Verification report
- Pending for submission
- Receive serial detail
- Receive newspaper detail
- Library fine collection report
- Member no dues certificate
- Book reservation report
- Library verification report



## ***ROUTINE MANAGEMENT SYSTEM***

### *Functional Modules*

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- Semester based routine creation based on various factors like faculty, room, subject grouping, credit points etc.
- Semester based Syllabus setting with respect to faculty and number of class needed to complete the syllabus.
- Daily / monthly attendance to be entered in the system

### *Reports*

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- Principal report to view department wise syllabus completion
- Principal report to view department wise progression status.
- Department to view department routine structure and syllabus progression
- Faculty to view respective subject wise routine and Faculty to view routine
- Student to view respective subject wise number of classes to be delivered as per routine
- Subject wise Syllabus completion status

## ***e-Training & Learning Management System***

e-TLMS is build on user friendly interface, built on constructivist nature, enabling rich media interaction, space personalization promoting student and faculty collaboration.

Designed to be responsive and accessible, e-TLMS interface is easy to navigate on both desktop and mobile devices.

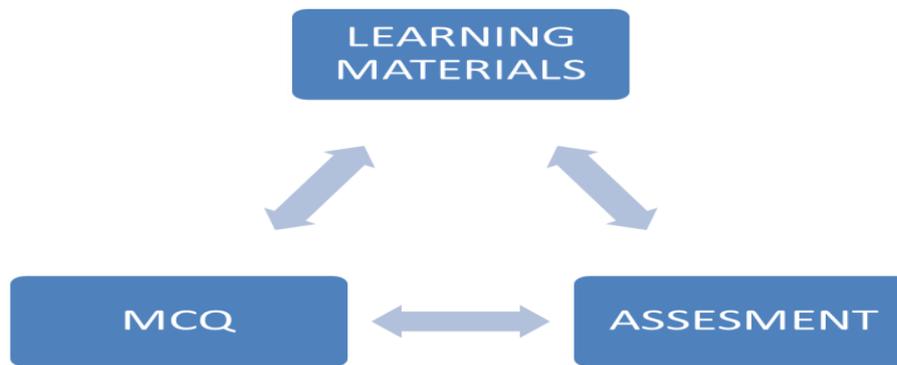
e-Training & Learning Management System is a module that works integrated with AIMS Core which manages student database. For effective use of eTLMS student's subject and semester of study is of utmost important to monitor the student to reach to desired study materials of his/her subject and semester.

eTLMS provides a platform for a vast repository where individual faculty member can store training materials in the form of PDF files, WORD, IMAGES, PPT, MP3,(audio) YOUTUBE links, videos (**Online Classroom Tutorials**) i.e. facility to record visual and audio using laptop or desktop for class materials etc. Students with a login and password can access these online training resources whenever and wherever.

The thing to bear in mind is that eTLMS users fall into two categories: First, online learners i.e students who use the Learning Management System to participate in online training courses; second, your eLearning team i.e faculty who relies on the Teaching Management System platform to disburse information and update the online training content.



eTLMS works on three pivots



## Teaching & Learning Management System Benefits:-

1. Organizes And Safely Stores Huge Data.
2. Monitors Learner Progress And Performance.
3. Improves Resource Allocation.
4. Personalizes The Online Training Experience.
5. Improves eLearning Accessibility.
6. Data is safe and secured.

## Features of Teaching & Learning Management System:-

1. *Subject and semester specific managing course materials.*
2. *Mapping students and faculties to subject and semester specific environment.*
3. *Course content may be stored in the form of PDF, YOUTUBE, VIDEO files*
4. *Student specific doubt clearance facility*
5. *Course wise FAQ*
6. *Assessment submission system*
7. *Online MCQ based exam system. The teacher asks a question and specifies a choice of multiple responses. It can be useful as a quick poll to stimulate thinking about a topic; to allow the class to vote on a direction for the course; or to gather research consent.*
8. *Grade and give comments on uploaded files and assignments created on and offline*
9. *Assessment and MCQ exam can be used for internal or university purpose*
10. *Business Intelligence Reports.*
11. *Automated student intimation via web publishing, SMS, Email alerts.*
12. *The chat activity module allows participants to have a real-time synchronous discussion in a course.*
13. *Knowledge repository for the institute to provide benefit to all the students in the future days.*



## Technology Specification

Server:	Intel Xeon CPU E3 @ 3.3 GHz, SSD HDD, 32 GB RAM, Dedicated IP, Daily backup, firewall, HTTPS protection
O.S.:	Windows Server 2012 R2 64 bit
Web Server:	IIS 8
Database Server:	SQL Server 2017 Express
Development Tool:	ASP.Net, Boot Strap, JQUERY, AJAX
Browser:	Chrome, Firefox, I.E current version.

## MODULES AND COMMERCIAL

Sl. No.	Description	Cost
1.	AIMES CORE	₹ 50,000/-
2.	Student Dashboard <b>(Optional)</b>	₹ 20,000/-
3.	Financial Accounting System <b>(Optional)</b>	₹ 30,000/-
4.	HR Management System <b>(Optional)</b>	₹ 30,000/-
5.	HR Dashboard <b>(Optional)</b>	₹ 20,000/-
6.	Document/Meeting Management System <b>(Optional)</b>	₹ 20,000/-
7.	Inventory/Store Management System <b>(Optional)</b>	₹ 30,000/-
8.	Library Management System <b>(Optional)</b>	₹ 30,000/-
9.	Learning Management System <b>(Optional)</b>	₹ 50,000/-
10.	360 <sup>0</sup> Feed-back System with analysis <b>(Optional)</b>	₹ 25,000/-
11.	Controller Section (Marks tabulation & Mark Sheet Generation)	₹ 50,000/-
12.	Routine Management System <b>(Optional)</b>	₹ 30,000/-

### AIMES CORE IS MANDATORY AND OTHER MODULES ARE OPTIONAL

\* **These are the modules which are tentatively needed for procurement as per NAAC recommendation of complete integrated ERP Solution; we have developed from the valuable inputs from your fraternity**

\*(Please note GSTIN payable extra @ 18%)

### Job Scope:

- Software Implementation, Customization, Testing & Quality Checking
- Training & hand holding charges, Onsite support for One year.



# INFOTECH LAB

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## Terms & Conditions:

1. Payment: 50% in advance, 50% against implementation and completion
2. **Time Period:** Proposal is valid for 30 days from the proposal date. Implementation period 1 month from the order date & commissioning & handover within consecutive 1 month.
3. All material/document will be transferred through soft copies in word, PDF, Excel and all communication will be done through email.
4. The offer includes 1 year technical support either online, telephonic, onsite.
5. **Implementation environment can be provided by the college or can be procured from data center on basis of Rs 1/- per student per month (Minimum Student Strength 2000) amounting to ₹ 24,000/- & GST 18%**

## Renewable charges applicable from 2nd year:-

- Software modules AMC charges are 20% of cost price, and server cost as per actual student strength.

Regards,

Siddhartha Dutta

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