



**Academic Enterprise Solution**

**Presented By:**

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## **AES Ex+ - The Concept & Philosophy**

Today's educational institutions are no longer just classrooms with tables, chairs, pens, papers, chalk pieces and black boards. They are the grooming places for the next generation managers, academicians, businessmen and more importantly, better human beings. These institutions have a very different philosophy and approach, which takes into account each and every factor that contributes to the overall personality development of tomorrow's generation. Therefore, today's curriculum covers much more than mere bare minimum academic subjects and therefore, calls for better management of the educational institutions, be it providing resources for better learning experience or efficiently and effectively managing the existing resources. As is the case in other spheres, the obvious answer for better results is "Automation."

**AES Ex+** is a tailor made product conceptualized and designed for the new age Educational institutions. The product caters to the requirement of the institution in two different angles – the institution as a business entity, which is a reality and the second and the most important aspect – the social cause of grooming tomorrow's citizens.

**AES Ex+** has various modules dealing with the different aspects of an educational institution. It manages the entire Student Database, starting from the family details of the student to his/her performance in various fields (both curricular and extra curricular) over a period of time, systematic grading of students, scheduling of classroom sessions and laboratories etc. It also manages the database with complete details of the teaching staff, allocation of subjects, classroom sessions, labs etc, and also keeps the track record of a faculty member.

**AES Ex+** is an efficient tool for maintaining the accounts of the institution systematically, including the salary, tax related information and payroll calculations of the employees. The package also provides features for managing a fleet of vehicles run as "School Buses", Library Management etc., some of these as optional additions, based on the requirements from various institutions. In short, it complements the academic functions of an educational institution, so that high levels of management efficiency could be made a reality in campuses.

## **Product Highlights**

- ✓ **Mini-ERP solution for Academic institutions**
  - **Schools**
  - **Colleges**
  - **Training Institutes**
  - **Professional Educational Institutions**
  - **Universities**
- ✓ **User Friendly Windows style desktop with Sidebar & Toolbar**
- ✓ **Fully Parameterized for ultimate Flexibility**
- ✓ **Standard Operating System and Database Platforms**
- ✓ **Dynamic Report Management**
  - **User can select / deselect required field**
  - **User can rearrange report fields in any order**
  - **Manage visibility of each fields**
  - **Allow saving of report structure**
- ✓ **Microsoft Tools integration – Export to MS Excel, MS Word & HTML**
- ✓ **Convert data into Information through user definable filter settings**
- ✓ **Smart Card Integration**
  - **Supports both Contact & Contact less Cards**
  - **Supports both Student & Staff Information**
  - **Change Card Reader without modifying application**
  - **User configurable settings**
  - **Integrated with all modules**
  - **Allow unlimited Smart Card writing**

✓

**Easy Integration with WEB – at the click of a button**

- **Role Based Security**
- **Custom Reports – Dynamic creation of reports**
- **Manual / Automatic Backup**
- **Single point Settings Screen**
- **Linking & Default Accounts**

## AES EX+ : Modules & Features

### **1. Student Information System**

- ✓ **Student Information – Complete databank with maximum information**
- ✓ **Student Profile – Details at the click of a button**
- ✓ **Student Information Reports – data retrieval from entire campus instantaneously**
  - **Advanced Student Search**
  - **Roll Number wise listing**
  - **Mailing Label Printing**
  - **Conduct Certificate**
  - **Course Certificate**
  - **Transfer Certificate**
  - **Student Demographic Information**
  - **Letter to Parent**
- ✓ **Mark List, Fees Dues and Library Dues in single screen**
- ✓ **Identity Card**
- ✓ **Student Barcode Printing**
- ✓ **Student Health Summary**
- ✓ **Document Management**
- ✓ **Remarks & Complaint Register**

## **2. Fees Management**

- ✓ **Flexible Fee Setting**
- ✓ **Categorization of Fees for easy management**
  - **Common Fees**
  - **Hostel Fees**
  - **Refundable Fees**
  - **Transportation Fees**

- ✓ **Supports Advance Fee Remittance Scheme**
  - **Concession & Fine Management**
- ✓ **Reports**
  - **Date wise Fee Collection report**
  - **Student / Group / Total Collection Report**
  - **Installment wise Collection Report**
  - **Concession Allotted / Aailed List**
  - **Installment wise Fee Collection Forecast**
  - **Defaulters List**
  - **Option for Printing reminders for Parents**
  - **Excess Paid List**
- ✓ **Linked with Accounts**

### **3. Attendance Management**

- ✓ **Academic Calendar**
- ✓ **Leave Management**
- ✓ **Attendance Security**
- ✓ **Duty Leave Support**
- ✓ **Abbreviations**
- ✓ **Define Leave Rules**
- ✓ **User Friendly Leave entry screen with update tracking option**
- ✓ **Daily subject allotment for each Group with Templates**
- ✓ **Integrated with Exam Module**
- ✓ **Reports**
  - **Daily / Monthly Attendance Report**
  - **Absentee Statements**
  - **Leave wise Summary Report**
  - **Subject wise attendance report of each student**
  - **Graphical Reports**

## 4. Exam Management

- ✓ **Flexible Subject Allocation**
- ✓ **Flexible Exam Management**
- ✓ **Unit Tests, Assignments & linking with Internals**
- ✓ **Internal Mark Analysis**
  - **Internal Assessment and Laboratory results can be configured independently for the relevant subject**
  - **Internal assessment marks can be linked to the main examination module**
- ✓ **Independent Grading for subjects**
- ✓ **Mark Entry & Analysis**
- ✓ **Progress Report**
- ✓ **Rank List Generation**
- ✓ **Student Lifetime Performance Analysis**
- ✓ **Class Toppers & Subject Toppers**
- ✓ **Graphical Analysis based on performance in Exams**

## 5. Financial Accounting & Book Keeping

- ✓ **Flexible & Infinite Grouping of Accounts**
- ✓ **Head of Account Creation**
- ✓ **Cash Receipt Voucher**
- ✓ **Cash Payment Voucher**
- ✓ **Bank Receipt Voucher**
- ✓ **Bank Payment Voucher**
- ✓ **Contra Entries**
- ✓ **Journal Vouchers**
- ✓ **Day Book**
- ✓ **Cash Book**
- ✓ **Bank Book**
- ✓ **Ledgers**
- ✓ **Bank Reconciliation**

- ✓ **Trial Balance**
- ✓ **Income over expense A/c**
- ✓ **Balance Sheet**

## **6. Staff Details & Payroll**

- ✓ **Staff Information**
- ✓ **Separate Account for salary posting**
- ✓ **Advanced Staff search & Report**
- ✓ **Options to manage Staff Applications**
- ✓ **Leave Management**
- ✓ **Payroll Management**
  - **Priority assignment for payroll display order**
  - **Creation of any number of Additions / Deductions**
  - **Linking of Deductions with Loan & Transportation Charges**
  - **Staff Advances**
  - **Generate Pay slip in a single click**
  - **Separate option for staff acquittance**
  - **Option for Acquittance Cancellation**
  - **All / Staff wise Pay slip report**
  - **Salary statement (internal / for Bank)**

## **6. Store & Inventory Management**

- ✓ **Item Management**
- ✓ **Categorize Items using Category, type & Unit Definition**
- ✓ **Vendor Management**
- ✓ **Purchase & Sales Handling**
- ✓ **Purchase Returns & sales Returns**
- ✓ **Damage Handling**
- ✓ **Purchase Register & Sales Register**
- ✓ **Purchase Return Register & Sales Return Register**

- ✓ **Physical stock & variance report**
- ✓ **Stock Reports, Stock Card etc.**
- ✓ **Creditor's Sale statement**
- ✓ **Linked with Accounts**

## 7. Other Modules

- ✓ **Application Management** – A simple module handling the issue and receipt of applications for admission to the institution. It also has provision for entering marks of the eligible examinations appeared by the student, which in turn simplifies the selection process.
- ✓ **Extra-Curricular Activities** – AES handles different clubs, houses of students at all levels of education, be it schools, colleges or Universities. It also handles activities like dance, music, sports etc. The system is flexible so that an activity can be defined and the student's performance analysis of that particular activity. The user can keep track of the individual and group achievements in various sports activities by the students.
- ✓ **Event Management** – It is closely related to the extra curricular activities. Schools and colleges conduct different types of competitions in arts and sports. The Event Management module helps you to manage such an event very effectively. Definition of events, participant registration, points definition points entry and result display are handled by this module.
- ✓ **Election Management** – The Election Management module helps to manage elections conducted at the institution. It manages all activities from the definition of posts till the publishing of results.
- ✓ **Placement Module** - A Placement occurs when a staffing firm brings together a job seeker and an employer for the purpose of establishing an ongoing employment relationship. AES helps to maintain all the required information related to the employers and the job seekers.
- ✓ **Transportation & Vehicle Management** - The transportation requirements are planned and entered in the module during the admission. This module manages the bus stops, list of traveling students and staff. The bus schedules define each bus stop with the list of students. This also will give reports on operational costs like fuel consumption, spares consumed, repair & maintenance and other inputs. The vehicles can be scheduled for tours or other activities and the module helps to handle it very effectively. The required fees can be collected in the fee collection module and the bus pass can automatically be printed and issued.
- ✓ **Asset Register** - The Asset Register is a comprehensive module that deals with

the management of fixed assets in a perfect way. Purchase of assets, number assigning, transfer of assets to various departments, stock taking etc are the various options available in this module. Various reports related to the assets currently in the institution are available.

✓ **Hostel Management** - Boarding/Hostel module is intended for the complete administration of accommodation, room allocation and canteen of the students and even the guests of the students. Admissions, allotment of different types of rooms, fees, and correspondence can be easily managed and controlled.

✓ **Front Office Management** - Here is a module, which offers a variety of things. It is having options for communicating among different users by leaving messages, reminders etc. The lost & found corner in this module is also very much useful. Here various correspondence letter templates can be designed and printed. An address book is also provided with.

✓ **Teacher Scheduling** - Teacher Scheduling is a planning process, which enables to schedule the classes for the year, giving prime importance to allocate teachers, subjects and lessons for each class during the current academic year. There are facilities to set planners for monthly and weekly scheduling of classes. Staff performance can be monitored with the help of variance reports.

✓ **Staff Evaluation** - The Institution's mission could not be achieved without a competent, motivated workforce. To that end, the performance evaluation review is one of the primary responsibilities of the management and this review is the most effective method of ensuring an efficient and effective operation. This module has everything to evaluate the staff.

## Software Platform Details

<b>Front – End</b>	:	<b>Microsoft Visual Basic</b>
<b>Back – End (Database)</b>	:	<b>Microsoft SQL Server</b>
<b>Operating System</b>	:	<b>Microsoft Windows</b>