

EdSys



The complete academic Institution Management System



Education institution Management is a multifaceted activity including management of academics, associated assets, curricular & extra curricular activities, academic knowledge management etc. Webyfy has the software – EdSys that addresses the specific requirements of educational institutions.

The software is on web technology platform & is therefore capable of managing multiple schools from a single location; EdSys has multiple modules, which cater to the various activities in an academic institution's management. It facilitates the management of the following activity clusters.

Basic Institution Definition



Defines all the basic information about the school, its contact details, the details about the head of Institution information required for the identification of the Institution when consolidation of multiple institutions is done centrally. Consolidation of the data follows the SIF standards. (Schools Interoperability Framework- a US initiated standard).

Basic Course Definition

The basic long-term courses can be defined with multiple years of study attached to it. Each course can have as many defined grades. Each grade indicates a term of study. This may be one year or less. Each grade can be further divided into classes. Class is a unitary element of a grade in a course. In this manner any number of courses and the respective grades and classes can be defined.

Definition of Multiple courses

The system offers the flexibility to offer multiple courses with in the same academic year and manage them independently. All the courses are managed independently but can have interdependence. A student can take up multiple courses as per a set of defined restrictions. In case of the long courses spanning multiple academic sessions, rules for promotions from one grade to another can be defined.

EdSys follows the SIF (School Interoperability Framework) standards for data exchange & collation.

Support Services

- ▶ **Library**
- ▶ **Student book**
- ▶ **Buildings & Class Rooms**
- ▶ **Recreational Facilities**
- ▶ **Hostel**
- ▶ **Logistics**
- ▶ **Procurement Services**
- ▶ **Support Staff**

EdSys

EdSys is complete web technology based software, which facilitates access from within the campus or through Internet.





Subject and Elective Group Allocation



EdSys has the facility to create course & grade specific subjects, and elective subjects specific to the student. The subjects allocated to the teachers, and other activities can be configured to be in the assessment stream. There can be subjects that come under the non-assessment stream.

Student Admissions



The admission is a set of activities the student has to undergo in order to get admission to the institution. Students can apply for admission to an academic institution on line or other wise. The system allows the grading of the students on the basis of the criteria of selection. Once admission is confirmed, the student data is automatically transferred to the school records. The number of seats in each of the grades can be defined so that the vacancy information can be obtained for any course or grade.

Student record

EdSys has an extensive student data record management facility. It keeps all the personal details of the student plus the contact information, information on parents, academics, s, extracurricular activities etc. The data of the student is accessible by authorization only. A student can have read only access of his personal data. Any irregularities can be intimated to the appropriate custodians of the data.

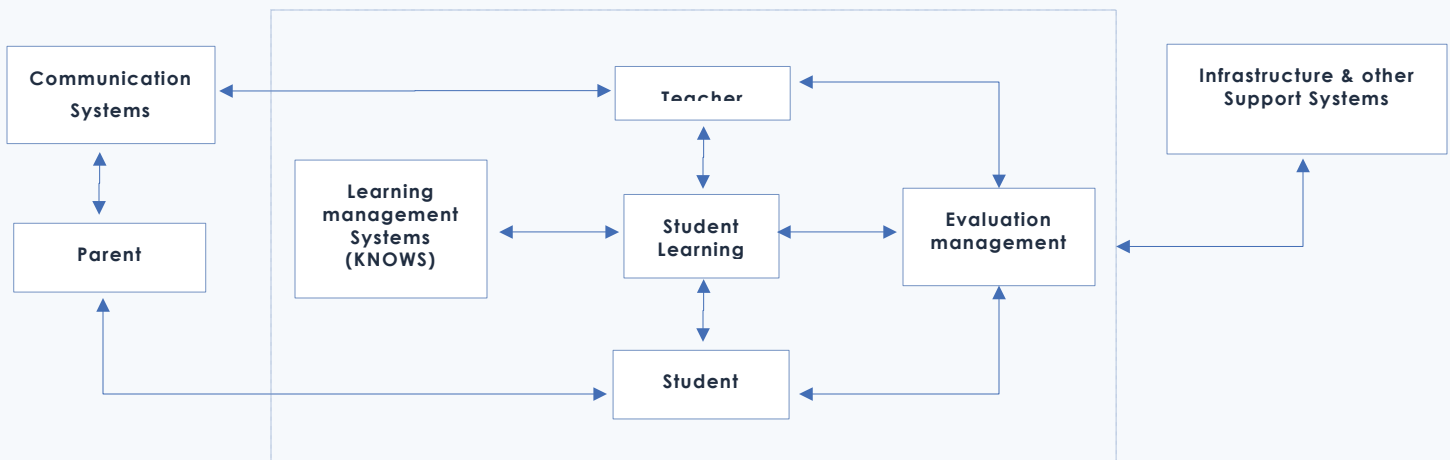
Institution Activity Calendar

The system provides the facility to create a calendar of activities. This includes aspects like the courses offered, examination schedules, holidays & breaks, Sports & Games activities, special events, announcements etc. There is provision to input any custom items in the calendar & publish them. The access to the calendar can be through the personal portals of the students, teachers or other users.

Parent/ Guardian information

Detailed Parent / Guardian information is captured by the system plus the emergency contact details. Communication information determines the mode of communication with parent. The system has an automatic communication facility for intimating appropriate information to the parents / guardians. In addition, it provides multiple facilities for two-way communication between the parents and the respective teachers.

Academic Management System





Health and immunization records

The detailed medical records of a child are captured in the system. All immunization details are captured & appropriate exception reports are generated. The system also provides the creation of additional fields for capturing additional information. These fields can be configured as per the needs of the institution.

The Access to Services through the Portals is differentiated through predefined authorizations

Grading system

EdSys has an extensive configurable grade point allocation system. Multiple rules can be defined for arriving at a grade point for the student. The GPA system is built in as a standard process. There is a facility to create multiple grading systems & apply them on multiple levels. There is also provision to allocate an activity as a grading unit. Multiple weighted scales can be created. The grades are integrated into the promotion system & the assessment reporting system. The grades can be communicated to individual students or to their respective parents through e-mail or through the student portal or the parent portal, respectively.

Disciple and reprimands

Extensive details of the infringements into the code of discipline of the Institution & the reprimands meted out to the student are captured by EdSys. The incidents can be categorized into multiple levels & reports generated. Mentoring requirements are also detailed. There is a provision to impose fines & transfer the collection of such fines through the institution's fee collection system.

Examination / Evaluation system

Student attendance

Attendance can be taken in multiple modes. The data may be captured with respect to the periods, sessions, or academic days. Attendance for extracurricular activities can also be done. Leave records are maintained. Grade points can be attached on the basis of the number of classes attended.. The attendance details of teachers & other staff are also captured & analyzed.

Examination is a part of the extensive student evaluation system. Multiple types of examinations can be defined & attached to each grade in a course. The examination may be written, machine based, oral, assignments, teacher evaluation etc. The result of the examinations can be collated under respective categories & an appropriate grading system can be implemented. Reports are generated automatically &/or can be customized. The trend analysis of individual students can be plotted & appraised.



Time Table management

EdSys provides an extensive facility to define the teachers & the subjects for individual classes. The sequencing of classes is created using the externally integrated timetable creation software. EdSys does not offer its own time timetable creation software but has integrated third party software.



Internal Assessment

EdSys provides an extensive & flexible facility for internal assessment by respective teachers & other personnel. A subject has an assigned weight. The teacher may attach multiple evaluation activities like class tests, assignments, projects etc to a subject. Evaluation scales are allocated centrally for a subject of a grade in a course. The teacher may assess the performance through multiple methodologies. Activities like participation in sports & games; etc may also be assessed in the same manner.

EdSys User Portals are the Gateways to the services offered by the system



Promotions

Promotion to higher grades or passing out from the course has multiple effects in the system. Many data elements need to be considered for implementing a promotion or passing out of a student from a course. EdSys has detailed facilities for effecting promotions. Once a student has completed a course, the respective data is transferred to a data warehouse.



Change of Academic year

The data in an academic management system is basically of two types. They are; Time dependent & the time independent. After the students are promoted to higher grades or pass out from a course, the system needs to be configured for the next academic session. EdSys has a detailed process to handle this operation. All the time dependent data is altered as per the new requirements through appropriate check lists.

Communication

EdSys provides a basic communication facility. The software application takes care of all types of communications & information exchange between the students, Teachers, Parents & the Institution. All reports can be sent to the respective parent through e-mail. Additional facilities are provided in the software system called "Create". .



Student transfers

The system offers a facility for transferring the details of the students to other databases through accepted XML standards. This technique is also used to amalgamate the data centrally for a centralized control of activities. The student specific data is backed up in the system for any future use.

EdSys is a Multilanguage software & can be rolled out in any of the 650 UTF-8 compliant languages

Student Activities

EdSys

- ▶ Academic
- ▶ Sports & Games
- ▶ Clubs & Student Bodies
- ▶ Other Extracurricular

Time dependent data back up

EdSys has the facility to back up all time dependent data when the academic year changes or when a grade in a course is completed & a student moves to the next. An example of this data is the marks obtained by a student for the examinations conducted during an academic year for a grade in a course.

Access to previous course data

EdSys has a built in data warehouse which stores all the time dependent data as well as other data elements. The data can be retrieved for analysis of a student's performance in the past years or for activities that span more than one academic year.



Event Management

The system provides an adequate facility to manage events. The event & the related activities can be monitored through the system. All data can be accounted for. The scheduling of the events can be done & the related persons & their activities monitored.



Sports Activity

EdSys provides facility for managing all kinds of sports activities. Sports activities and the personnel for allocation can be defined. The sports events are also managed through the system. All relevant data like the teams, kits & liveries and equipment are accounted in the system. Participation in sports activities, internal & external to the Institution is also managed. The schedule of activities can be published & accessed through the respective portals.

Club activity

Many clubs exist in schools & with varied activities. Basic management features like membership management, basic activity scheduling & publishing, event management, and a facility to host the club web pages and publish the activity calendar is provided by EdSys. This facility for web page hosting is the part of the Software system "Create".

Other Extra curricular training

Various agencies may be imparting training to students in dancing, craft, music, etc. These agencies need to be managed & their activities monitored. The system collates the information on the agencies, the responsible teachers, students, & the schedule of activities. It also manages any fee collection that is involved with the training.

Student House management

In schools, students are grouped into houses. EdSys has extensive facilities to manage the activities with respect to these defined houses. Every activity irrespective of its type can also be defined as house activity. This facilitates complete control on activity allocation & management. Points can also be calculated & comparative statements generated.

Hostel

EdSys provides the basic hostel management features: room allocation, hostel fee collection, fines, etc. The hostel assets are also managed using this software. Detailed mess operations management will be added in the next versions.



Staff data

EdSys takes in all the required data about teaching staff and other types of staff in an Academic institution. The information about the teachers is captured in detail. The capabilities of the teachers are captured. There is a provision in the system to track the academic & other pursuits of teachers. The engagement of the staff may be of many types like permanent staff, temporary, visiting faculty etc

Faculty Allocation

The faculty can be allocated to activities according to their capability. Teachers can be allocated to specific grades in respective courses offered by the institution. The faculty is also assigned to specific departments for ease of activity monitoring, access control and timetable creation.

Book Store

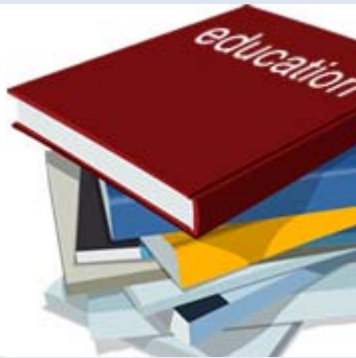
The bookstore in the academic institution can be managed effectively using EdSys. The system takes into account the texts & workbooks required for each subject for the respective grades, in a course & total the requirement. The bookstore can also sell other items over the counter. The price may be paid separately or through the fee bill.

EdSys brings the functionalities of the system to the Users through User specific Portals



Library Management

EdSys has an extensive library management system. This is in line with major library management software & follows the set standards in the domain. It provides a facility to array out all operations like book procurement, sorting & storing, user authorization based issue, book reservation, fine management etc.



Staff portal

EdSys helps the teachers access the services pertaining to the respective teacher through a personal portal. Activities like configuring examinations, entering marks, looking up information etc are possible through the portal. In addition, the portal forms the one stop access to all services assigned to the teacher. It also provides announcements, etc to be directed to a group or to a specific teacher.

Logistics

All information with respect to the logistics of students is managed through this module. The bus routes, distances as well as the staff associated with it are all captured. An operation schedule can be created and the fees computed.

Services and Service User Portal

EdSys is a system, which manages scores of functionalities. Access to these functionalities can be quite complex & cumbersome. EdSys over comes it by defining the functionalities into services & assigning the respective users to it. The accesses to these services are provided through respective user portals. Each user has a different portal content depending on authorization.



EdSys

Report Writer and Reports

EdSys has a very unique & exhaustive report generation facility. A number of standard reports are provided. However as the data captured in the system is very large, the requirements users have, may be quite varied prompting EdSys to make user configured rules for report writing.



Internal Mailing

Internal mailing services are provided in the system for both the transmission of the alerts as well as communicating/passing information. The mailing system does not allow sending of external mails.(in this version) Both individual & group mails can be sent using the mailing system.



Student Portal

Each student has a portal in which all the services authorized for access are available. In addition to accessing the services, the student can keep his personal information, diary, knowledge base etc. The accessories for the portal are provided through "KNOWS" a knowledge management system for academic institutions.

Parking Space Allocation

EdSys has the facility to allocate parking lots in the Institution campus to students, staff or guests. Each area is demarcated & can be allocated to specific groups of personnel. There is a provision to allocate a fee for a parking space which can be collected separately or otherwise.

Contact us

Email: info@webyfy.com

<http://www.webyfy.com>



Student Locker Allocation

Allocation of lockers as per availability. There is also a provision in this module to attach a fee for the usage. An exception list is also maintained about the students who are barred from the usage of lockers.



Student Election & Voting

EdSys provides facility to conduct the student elections through the system. The elections may be directed to the group of students or to the whole Institution. The elections may also be conducted in two ways. One casting the votes through the student portal or casting the votes from designated computers with access rights. The results are automatically collated & published in the personal portals. The detailed version is a part of the software "Create" which is a Teacher-Student-Parent communication system.

Basic Accounting

EdSys provides the basic accounting package for managing the accounts in an institution. However, it is not detailed for conducting exhaustive accounting process. There is provision for exporting the accounting data to other accounting packages through XML technologies.




Fees Management

The individual fee elements can be defined & collated for each grade in a course. The fee can be classified into recurring fees, one time fee etc. The fee bill for each month is prepared automatically & individual students fees can be altered for accommodating any fee concessions, special fees etc. The fee collection may be done on a bill basis or on the latest bill with a carry forward of unpaid fees. A provision to impose fines for late payment of fees is also provided

Fixed Asset Management

Detailed data collection of the fixed assets of the institution is done in EdSys. The asset code can be generated & the location details captured. Asset movement can be monitored using the system. Details can be plugged into the accounting system



Salary Module

A basic salary package is provided along with the system. Using this, salary elements can be defined & the respective tax components attached. The monthly salary bill can be computed with a bit of manual intervention if required.

Basic purchase module

EdSys has a purchase module, which enables all the basic purchase operations required for the Institution. All the purchase operations & the vendor database can be centrally managed. The system provides a facility for the generation of comparative statements between vendors & price variation reports.

Institution Warehouse or Store

The module allows the creation of a warehouse/store for keeping various items required for the Institution. The materials can be taken into each warehouse or stored after inspection & the location details entered. In-depth stock reports can be generated.

Duty Roster

EdSys provides the facility to make duty rosters for various activities including the library, stores, & bus trips, student's activities etc. The roster can be published in the respective portals of the individual user. The creation of the roster can be distributed as per administration of the authorization of the service.