

Product Information Document  
for  
**e-Edu Manage**  
(Automated Educational Management Tool)

**Developed by:**



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## 1. INTRODUCTION

### 1.1 Project Background

In today's paper less & fast changing business scenarios where time is scarce and work is huge. So everyone wants to ensure a streamline business process which can only be **meet**[met] with loyal professionals who are consistent in all **aspect**[aspects] of their working which primarily include being present regularly at one's workplace. So, having an automated educational management system in place is a biggest boon for any educational institution.

The organization administrators are therefore among those who will have to adapt to the new paradigm taking on new strategies and embracing new technologies. With limited resources and a budget that must be managed effectively in the face of conflicting priorities, administrators will need all the tools that can help to enhance the management of the organization, while providing the greatest transparency and accountability. The more successful administrators are almost certainly going to be those who will be able to raise the levels of efficiency and effectiveness of their management capabilities through the enlightened and creative use and deployment of information and communication technology.

Today's administrators benefit from having at their disposal, application software packages which assist in collating, coordinating, processing and managing the flow of information in the administrative activities of their institutions. By facilitating real-time access to important administrative and management information, these software packages contribute significantly to institutions administration.

Here, we are looking at the use of computers and computer technology in institutional management, **discusses** the components, desired system features and effectiveness of administration software for organization.

We, at iD'sign Technologies, take pride in having various software development capabilities and our various Products. We have developed various products for various organizations and one being e-Edu manage our complete educational management software for any kind of university. The educational management software which we are providing as a product has been currently equipped with all the necessary customizations to provide desired results.

Moreover today's educational institution management has become messy and chaotic, due to various statutory and MIS requirements coupled with changing policies, slabs and formulas from time to time. To ease the work of administration & management personnel from that pile of papers related to each and every minute task of any educational institution.

## **1.2 Organization Administration in Perspective**

Administration of even small organization incorporates a wide range of tasks. It is therefore necessary at the outset to note the broad areas, which affect the management of Organization. Among these are decision-making, follow-up, staff development, time management, evaluation and reporting. More specifically however are the management and administrative tasks within the environment. It is essential that the developers of educational institution management system for Organizations must have a solid understanding of the various tasks involved. The better software packages for the Organizations will be the more comprehensive ones - those that handle various tasks.

## **1.3 Purpose of the Document**

The purpose of this document is to introduce about iD'sign Technologies & specify the features of e-Edu Manage, define various modules of the product and the stakeholders of the product.

## 2. ABOUT THE COMPANY

### 2.1 iD'sign Technologies

Design stands for the planning that lays the basis for the making of every object or system. Design plays a major role in every human's life and is the reason for the comfortable life led by any typical creature in the world. We named our company as iD'sign intended to provide innovative and flexible solutions to clients all over the world.

iD'sign Technologies is established in the year 2005 by Dr. N Shyam Kumar, and restructured in the year 2007 by Harish Cholleti, an Industry Professional to meet the current industry requirements. We at iD'sign technologies work for a common aim for customer satisfaction through dedication & commitment. We believe relations established by our performance in anything we are providing. Our tag line "Partners for Mutual Progress...", when we work along with you we improve your business by our own customized solutions/services. We believe in mutual development since we closely work with clients to understand the requirements.

iD'sign team understands your business requirement and **design**[designs] customized solutions. These solutions connect your business to the technology that will work for you more accurately minimizing all human errors with 100% reliability. Team here at iD'sign gathers requirements from you, identifies exact methodology that will perfectly fit into your needs. We optimize the business solutions to make our service or solution as an asset.

Today, businesses demand global vision, an in-depth understanding of customers and suppliers, demonstrated thought, leadership and a consultative partnership approach to offer the highest possible returns on services investment. We help businesses achieve these ends. Working closely with our customers as transformation partners, we deliver and implement innovative software solutions across a number of technology platforms.

We are currently suppliers of products e-Edu Manage and e-Trans to educational institutions and transportation agencies respectively. Our Customised software solutions are used by Ashtamangal Jewels, Renouveau Jewelry, Embassy HK International, Warangal Institute of Technology & Science, Warangal, etc. We serve in the field of Engineering Services to clients of India, Japan and USA in the field of GIS, CAD and CAE. The team at iD'sign is committed and responsible for our clients business. The solutions that are being provided by us are assets for the clients of us but not a liability.

iD'sign Technologies is specialized in developing software applications using Microsoft Technologies, HTML, PHP, Mobile Applications, Desktop applications and web applications.

## 2.2 Our Vision

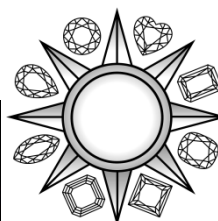
To be a profitable provider of high quality products and services that provide strategic value to our customers and create a company that can attract, recruit and retain smart and talented employees.

## 2.3 Our Mission

- Identify client's key business requirements and evolve strategies to allow the organisation to respond rapidly.
- Strive to support improvements in education and make a positive difference in students' lives by providing training in various technologies that help students learn to think and meet the industry demand.
- Make technology an asset for business but not a liability.
- Develop strategic alliances all over the world and evolve as a business giant serving large customer base with smiles on the faces.
- Provide continued customer satisfaction by maintaining value driven and positive work attitude employees.

## 2.4 Our Clientele

Few of our clientele...



### 3. PRODUCT OUTLINE

#### 3.1 Introduction

e-Edu Manage is a web based Enterprise Manager from iD'sign Technologies, designed to automate the entire operations of any educational institution (School to university). It allows multi-divisional, multi-departmental system handling which includes activities such as admissions, curriculum management, course and faculty scheduling, fee collection, library, examinations, career, hostel and transportation.

e-Edu Manage is a powerful Internet and Intranet based application, designed to help educational institutions to provide valuable information to the management, staff, alumni and the students. e-Edu Manage consists of fully independent functional modules each designed to increase the efficiency of the departments in any educational institution and to provide online information.

e-Edu Manage is a customizable product, which allows customizing, deploying and implementing the required modules with minimum time possible. Time-to-Use & feel the MIS is much faster than any legacy and classical application modules. e-Edu Manage is built with known industry standards and compliances and hence it's highly interoperable. Integrating & connecting with third-party applications is always easy by user-customization or development & deployment changes with least impact and with a minimum time frame. As the core-architecture is developed by using the latest & state-of-art technologies, it provides excellent performance, efficiency and high security.

e-Edu Manage is bundled with a powerful analytical & reporting engine. Provides extensive built-in reports and customizable in different categories for different user groups with varied objectives for an educational institution such as:

- Operational Reports
- Management Reports
- Statistical & Analytical Reports
- Dash Board
- What-IF Analysis Reports (would be included based on the requirement)

#### 3.2 Product Modules

e-Edu Manage, administration and management tool not only aims at achieving operational excellence in institutions, but also makes its partners, the beneficiaries of the system. e-Edu Manage



concept provides number of **option**[options] through which, an Institution can share the information stored **within**["within" is not necessary] with the Parents and other bodies and also make them feel to be a part of the Institution itself. e-Edu Manage Tool includes the following technological parts:

- Integrated Software Solution Package
- Interactive Web Portal
- Alert System
- Hardware Integration

### **Integrated Software Solution Package:**

The software solution consists of number of modules to achieve the operational and functional efficiencies, monitoring and optimizing the management processes & operations and enhancing co-ordination across the various departments in the Institution. This consists of various modules as listed:

#### *Student Information System:*

This sub system consists of various modules that **are specified here**["are specified here" is not necessary] are student centric and for the welfare of the students getting enrolled in the educational institution:

- Admission Management
- Fee Management
- Attendance Management
- Examination Management
- Library Management
- Query Management
- Assignment Management
- Notice Management
- Knowledge Base Management (The newest module which is not included in any classical or existing software where students can share among the group of the knowledge that is acquired using books, external material, e-books, etc.)
- Forum Management
- Alumni Management
- Intra Software Mail System
- Certificate Management
- Feedback System



- Award of Degree

*Personnel Management System:*

This sub system consists of various modules that are personnel centric and give a comfort to the faculty, administration department:

- Employee Joining
- Attendance Management
- Time Table Management (Academics)
- Fee Management (Finance & Management)
- Examination Management
- Library Management
- Query Management
- Assignment Management
- Feedback & Appraisal System
- Notice Management
- Time Sheet Management (To specify the work that has been performed for that day)

*Payroll Management System:*

This system consists of various sub-modules that are related to payroll processing of the employees and is in the process of development. e-Edu manage is developed in a framework which can support an external payroll system also. The payroll processing would be based on the personnel attendance management system which is specified as per the previous module.

- Earnings & Deduction Definitions
- Allowance Definitions & Masters
- Earnings, Deduction & Allowance
- Deductions
- Allowances
- Leave Management System
- Shifts Definition and Scheduling
- Overtime & Pay-By-Claim processing
- Salary Definition & Scheduling
- Income Tax Calculation
- Pay-Slips generation and mailing

- Form 16 Online Generation

#### *Generic Management System:*

This system consists of various sub-modules that are related to administration of any university that lies other than the module that are specified above

- Inventory management
- Fleet Management
- Visitor Management
- Meeting Management
- General Maintenance Requisition Tracking System
- Allowance Definitions & Masters

#### **Interactive Web Portal:**

A comprehensive & interactive Web Portal is a place, where an Institution can exhibit its distinct administrative and academic aspects, provide day-to-day activity details of Institution and Students to its stakeholders and allow them to communicate their suggestions and grievances to the authorities. It includes number of static, dynamic and database driven **section[sections]** to display Institution's information brochure, its achievements, admission norms, details about cocurricular activities like debates, sports, etc and other events held in Institution and Students fee details, result details, attendance, result analysis, home assignments, etc.

#### **Alert System**

Alerts have become very common today and SMS (Short Message Service) is a solution to many information and communication related problems. e-Edu Manage's SMS System is an interactive system for institution enabling the data exchange between students, parents, faculty and the management within seconds. The application has the following areas of direct influence:

- Can be used to send the attendance information to the parents
- It can be used to share the information related to Internal & External Marks
- It can be used to share information related to sudden holidays.
- Can be used to send the details of any special classes
- Institutional achievements and news can be sent and the same can be publicized easily.

## Hardware Integration

Integration of Hardware into a software solution makes software the data authentic & genuine. e-Edu Manage is integrated with the following hardware system to have a smooth flow in the data and have a data that could be genuine and simple:

- Biometric/RFID Terminals
- Barcode Scanner
- Barcode Printers
- Receipt Printers
- Laser Jet Printer

## 3.3 Product Stakeholders

This product has the following stakeholders at this point of time and can be increased or decreased based on the requirement since the product is built flexibly:

- Tool Administrator & Staff
- Head of the institution (VC, Principal, Chairman, etc.)
- Heads of the departments
- Examination In-charge & Staff
- Faculty
- Student
- Hostel Warden
- Data Entry Head & Staff
- Accounts Head & Staff
- Library Head & Staff
- Laboratory In-charge

## 3.4 Product Features

Following are the features of the application and it is the best of all the offerings in the market of educational management software.

- Developed in state of the art technologies
- 24 X 7 Support

- Unlimited Employee Accounts & Customizable hierarchy based rights.
- Multiple Location Functionality Web Based Application (Employee & Admin View)
- Desktop Application to upload Data to Web Database.
- Customizable Reports
- Open Architecture solution

### 3.5 Advantages of e-Edu Manage

Managing an educational institution using software like e-Edu manages gives the management of the institution the following advantages:

- Improved customer service through greater access to accurate information.
- Increased productivity and job satisfaction among staff members as it ["is" should be included here] duplication of effort.
- More economical and safer means of storing and keeping track of information.
- Easier access to Information like management reports and reminder letters, well as more accurate and faster results from statistical analyses.
- Reduces errors and eliminating the ennui of long and repetitive manual processing.
- Greater accountability and transparency in operations.
- Improved efficiency and effectiveness in administration and management unprecedented access to real-time information.
- More reliable security for sensitive and confidential information.
- Appropriate knowledge-based action and intervention can now take timelier manner.
- Little time for communicating vast information to faculty, students and parents.
- More secured levels of access for data transfer and information.
- Dual mode printing i.e. Text and Graphic mode
- Customized Report designing
- Configurable as per User's requirements.
- Database connectivity with remote servers for Web Portal.
- Discussion forums for interaction of students with faculty & corporate.