

proEDNTM
Ver. 3.0

Web based GIS enabled Automated School Mapping & Infrastructure Management Software



Overview



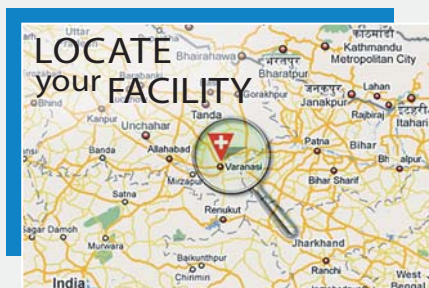
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ProEDNTM is industry's most comprehensive easy-to-use web based GIS enabled Automated School Mapping & Infrastructure Management System software and probably the only solution with the intelligent information and resource management to keep organizations on top of all facets of school infrastructure management.

ProEdn is built from the ground up to automate School Location Details, Facility Details, Building Asset Details, Student Enrolment, Infrastructure, Sanctioned/ Filled/Vacant Post Details, Staff Details and many more. ProEdn intelligently manages disparate and related resources as a single interrelated operation and acts as a central repository of information on everything about school infrastructure including its human resources.

The said application would cover the entire gamut of school infrastructure management function in the state government currently being performed i.e. mapping of schools, levels of schools, facilities, student enrolment, staff details, infrastructure details etc. The users of the system will feel high level of satisfaction with the information and ICT facilities put in place. The updation will allow non-technical users to easily update the data on web in the institute itself. Thus resulting a timely delivery of data needed for planning purpose at village, block, subdivision, district and state level.

“ access to
real time accurate
information ”



proEDN - GIS

Key Modules

- User Management ■ Administration ■ Institutions
- Facility, Infrastructure & Equipment ■ Student ■ Post & Staff Details
- Documents ■ GIS ■ Alert

Key Modules

User Management

This module defines various types of users (administrator, institution head etc.) with defined level of access to the software based on the authority through a **Secure Admin Panel**. An administrator uses the features of the user management module to add, modify, and deactivate users and their rights and to regulate user access to functionalities based on their Roles. Based on the access users will have provision to create New schools/Modify existing school/Edit schools.

Features include: Add users; Define User Profiles; Define User Roles; Modify User Attributes.

Administration

Overall, administration would seek to use ProEdn to take records on-line and transform School Information Management (SIM) at various level of units like Federal, State, and Local levels from a paper-based, labor intensive process to a streamlined, secure, staff self-service function.

Institution

This module delineates a basic level of information about a school. This module keeps track of different schools by maintaining the proper school administrative with specific **location details** of that institution is added. This module forms the basis for visual overview of schools in a region to analyse the physical distribution on GIS map.

Facility, Infrastructure & Equipment

The availability and optimal utilization of infrastructure is important for improving the quality of services. Inadequate management of these equipments/infrastructure results in financial losses and deprives the student community of the intended benefits. The availability and optimal utilization of the infrastructure contributes to the improvement of the quality of educational services. This module keeps track of the exact inventory at any point of time of a particular school to ensure timely onset of use of the equipment.

Student

This module keeps track of school wise as well as class and category wise student enrolment disintegrated to boys and girls.

Post & Staff Details

In any organization the key, the only variable and the only asset is people, so to manage that very efficiently, we should have a very good human resource management system. This module keeps school wise track of different sanctioned posts of teaching and non-teaching staff along with its occupancy as well as vacancy. It keeps an in detail personal information of each individual staff school wise, like date of joining, qualification etc. Inbuilt Search functionalities are there to find personnel based on different search criteria.

GIS

By using this module users will be able to enjoy **automated mapping of location of schools**, identify the distribution of resources and discrepancy of service distribution in spatial domain, recognize deprived areas and locate areas for future investments based on accessibility and social status. Thus managing your data without having to invest a lot of time, effort and money in complex GIS mapping & software.

Features include: Search, on map data access, query, measuring distance and direction between schools/facilities and many more.

Alert

The main goal is to provide a single window system that will allow educational units at places to send SMS alert from where they are and being given that mobile phones are more well spread and used than internet the option of "using SMS" is the ideal solution. ProEDN GIS has an embedded system that can manage SMS submissions as well as to provide alert based information and location specific instant display of alerts on map.

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