

Guruji School Information Solution (GSIS)



Web-based Application for Collation & Reporting of School Information

- ✓ *Caters to SSA requirements*
- ✓ *Multi-lingual (Interface and Data entry)*
- ✓ *Single point and Complete School Information Management Support*
- ✓ *Zero redundancy in managing the entire institutions records.*
- ✓ *Save efforts and money in communication and reporting aspects.*

1.1 What is GSIS?

GSIS (Guruji School Information Solution) is a software application solution (GSIS 1.0) which helps the Cluster Officer to enter necessary information under the Sarva Shiksha Abhiyan (SSA) and then subsequently help in computing and monitoring the quality dimensions.

It provides for generation of various reports at Cluster/Block/District/State level.

- GSIS 1.0 allows a user to enter data, and then generate subsequent operational and statistical reports.
- The GSIS 1.0 is a browser based multi-lingual (supporting Marathi and English languages) solution. It uses SQL Server 2005 Work Group Edition as its database.

1.2 Who is it for?

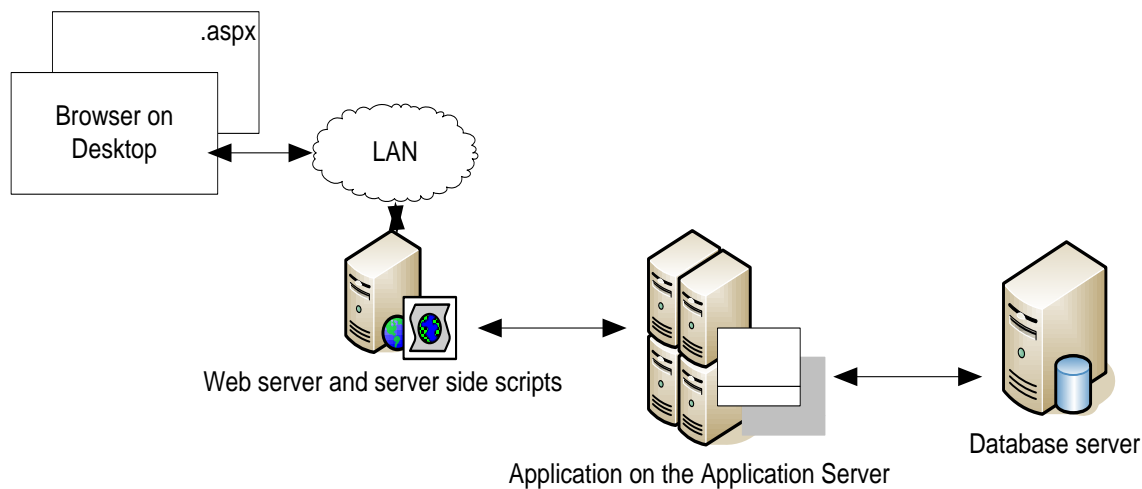
GSIS can be used by Education Department officials in a State at various Cluster/Block/District levels and the school management authorities.

The current release version of the application is GSIS1.0, which is a browser based application and can be installed over intranet of any education department office.

1.3 What Technology does it use?

GSIS1.0 is developed with the support of Microsoft on the latest Microsoft technologies. GSIS1.0 is developed on a web based architecture using .NET 2.0 framework. Use of .NET enabled us to do software integration by using Open Internet communication protocols (XML/HTTP) as well as using the power of UNICODE and rich easy interfaces. GSIS1.0 uses SQL 2005 database to make it more robust and secure in terms of data.

It uses the three-tier architecture.



1.4 What are the Quality Dimensions that get Monitored?

The Quality Dimensions monitored at the elementary level are:

- ✓ Basic Infrastructure and Other Facilities
- ✓ Management and Community Support
- ✓ School and Classroom Environment
- ✓ Curriculum and Teaching Learning Material
- ✓ Teacher and Teacher Preparation
- ✓ Opportunity Time (Teaching-Learning Time)
- ✓ Classroom Practices and Processes
- ✓ Learners' Assessment, Monitoring and Supervision

1.5 What are the benefits of using GSIS1.0?

5.1. Increase in Productivity

Implementing GSIS1.0 would help in increasing the productivity of all the major stakeholders. GSIS1.0 Data and Reports will save a lot of time and help in faster reporting and decision making.

5.2. Ease of Operations

Educational departments with GSIS1.0 can easily manage and store all the records (data) about students, school, teachers and other quality parameters as per SSA requirement. Various screens and forms are available in local language and have been designed using various grids and dock-able sections within the forms; thus avoiding clutter of information on the screen.

5.3. Simplified & Centralized Data Storage

The database design has been completely 'normalized' thus preventing any redundancy and confusion about the data point.

1.6 Future Roadmap and subsequent versions of GSIS

The subsequent versions of GSIS would provide state-wide linked access of various modules and access controls based on roles and geographies of the user base. The relevant data exchange and communications would be handled over internet and various reports and decision support system (DSS) would be incorporated in the same. The future versions will also keep to migrating the latest technologies and tools.