A Database retrieval system for wheat data on area, production and yield (1960 to 2006) has been developed using ASP.NET technology. At the back end it uses SQL Server Management Studio Express (9.0); an open source software for MYSQL database development. At the front end for ASP.NET programming it uses Visual Web Developer 2008 express edition. WPIRS has been developed using three layer architecture including Presentation layer, Application Layer and Data access Layer. Complete as well as selective data retrieval is possible with this software using Data List Reports; and Data Summary Reports; options respectively. A user friendly Graphic User Interface (GUI) has been created in WPIRS for submission of inputs. Multiple inputs such as State, districts and years with reference to Area/Production /Yield are submitted in a single go with this GUI and output is displayed on the same interface. The single screen GUI used for inputs and desired output gives a unified, familiar and user friendly look to the WPIRS package. The technology in terms of WPIRS software package helps the decision makers to know the potentials and possibilities of wheat crop in different regions, states and districts of India. It fills the knowledge gap through information sharing and fast information access.
References

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Index Terms

Computer Science
Information Systems

Keywords

- Database
- Asp.net
- SQL server management studio
- Visual Web Developer
- Graphic user interface

Data access layer

Application Layer

Presentation Layer