DATABASE:

A database is a structured collection of data in the form of tables that is used by the application systems of some given enterprise, and that is managed by a database management system.

For the purpose of this project we are using MySQL database management system based on SQL database language to store our data transmitted from communication hub. MySQL is used by most modern websites and web-based services as a convenient and fast-access storage and data fetching solution for large volumes of data.  
MySQL can be accessed through many tools. It can be easily communicated via PHP (PHP Hypertext preprocessor) whose primary focus is to manipulate HTML. A user can submit queries to a database via PHP, allowing insertion, retrieval and manipulation of information into/from the database.

WiFi Module(ESP8266) in communication hub is transmitting readings of different probes to MySQL Database which is then used by User Interface for analysis purpose.

USERINTERFACE:

In order to display analyzed data we need a user interface that is a website which displays separate graphs of Temperature, Humidity and Moisture with respect to time. Also it will display the current values of these three parameters in each probe.