

ABSTRACT

Range System Division (RSD) under Directorate of Instrumentation, DRDL, is primarily responsible for providing down range, mid-range and blockhouse telemetry during flight testing as well as integration of missiles. A lot of activities are carried out as part of these different activities. The activities start with getting requisition from the users and ends with presenting the final result in different appropriate forums. At present the process of requisition management, planning, development and data backup activities are being carried out manually. The need for development of web based software tools to computerize these activities has been felt profoundly. The proposed software titled **“Web-based DBMS for Requisition Management, Planning, Deployment and Data Backup for Range System Division”** will help the RSD in this direction. It will also help the division in reducing the time required for carrying out these activities. At the same time it will reduce the possibility of human errors that may crimp in. Similarly it will help the Division in getting rid of dependency on individuals for the purpose of reporting and presentation.

The proposed software system need to be simple, user friendly and efficient online database management system which can be installed in standard IBM compatible machines. The application should be web based and has to be developed using open source technologies as given below:

1. PHP scripting.
2. MySQL database.
3. Apache web server.
4. HTML5, CSS3, Angular JS, JavaScript, jQuery etc.

Following are the primary objectives: -

1. It will serve as an efficient online tool for requisition management for RSD.
2. Maintaining Log of requisitions.
3. Planning and deployment of teams and equipments as per requirements.
4. Backup of Data.
5. Generation of different types of reports for decision making.