**QA REPORT**

**INTRODUCTION**

Hospital Management System aims at to develop the software that covers all the aspects of management and operations of hospital. It enables healthcare providers to improve operational effectiveness, reduce costs, reduce medical errors, reduce time consumption and enhance delivery of quality of care. The main purpose of our system is to make hospital task easy and is to develop software that replaces the manual hospital system into automated healthcare management system. This project will implement all the activities of the hospital in a computerized automated way to fasten the performance.

**TESTING PHASE**

the testing phase is an important part of software development, it is the computerized system will help in automate process of finding errors and missing operations and also complete verification to determine whether the objectives are met and user requirements are satisfied.

**TYPES OF TESTS GOING TO BE CONDUCTED**

Unit testing, System testing and User acceptance testing activities will be going to perform during the development of the system build and release.

**UNIT TESTING**

the first includes unit testing, where in each module is testing to provide it’s correctness, validity and also determine any missing operations and to verify whether the objectives have been met. errors are noted down and corrected immediately. unit testing is the important and major part of the project. So, errors are rectified easily in particularly module and program clarity is increased in this project entire system is divided in to several modules and is developed individual modules.

**SYSTEM TESTING**

SYSTEM TESTING is a level of testing that validates the complete and fully integrated software product. The purpose of a system test is to evaluate the end to-end system specifications. Usually, the software is only one element of a larger computer-based system. Ultimately, the software is interfaced with other software/hardware systems. System Testing is actually a series of different tests whose sole purpose is to exercise the full computer-based system the final step involves validations and testing which determines which the software functions as the user accepted here also some modifications were. in the completion of the project it is satisfied fully by the end user. Black Box testing technique, where the functionality of the application is tested to generate the desired output on providing a certain input or by clicking buttons or links.

**USER ACCEPTANCE TESTING**

User Acceptance Testing (UAT) is a type of testing performed by the end user or the client to verify/accept the software system before moving the software application to the production environment. UAT is done in the final phase of testing after functional, integration and system testing done.