PROJECT REPORT ON BUG TRACKING SYSTEM

Vision :-

The purpose of Bug Tracking is for improving software reliability is to provide better service to the administrator or useful for applications developed in an organization.

Definition, Acronyms, Abbreviations :-

Bug - A software bug (or just "bug") is an error, flaw, mistake, failure, or fault in a computer program that prevents it from behaving as intended (e.g., producing an incorrect result). Most bugs arise from mistakes and errors made by people in either a program's source code or its design, and a few are caused by compilers producing incorrect code.

Overview :-

Bug tracking is the process of reporting and tracking the progress of bugs from discovery through to resolution, where a bug is defined as a deviation from requirements. Other terminology frequently used to describe this process include

- problem tracking
- change management
- fault management
- trouble tickets

Bug tracking systems are most commonly used in the coding and testing phases of the software development process. However, tracking systems can in fact be used for many other purposes such as general issue tracking, simple task lists, help desk situations or contact management, where the focus is on the tracking aspect rather than what is being tracked. Even in software development, tracking systems are quite often not limited to simply tracking bugs, but extended to track feature requests or enhancements as well as enquiries.

Modules :-

This application contains three modules:

- Administrator
- Technical Expert
- User

Advantages :-

- The performance is increased due to well designed database.
- Security is increased
- Time saving in report generation
- Easy to update the details

Software Requirements :-

Operating System	:	Windows XP/7/8/10
User Interface	:	HTML, CSS
Client-side Scripting	:	JavaScript
Programming Language	:	Java
Web Applications	:	JDBC, Servlets, JSP
IDE/Workbench	:	Eclipse with MyEclipse Plug-in
Database	:	Oracle/Access
Server Deployment	:	Apache Tomcat Server

Conclusion :-

This application software has been computed successfully and was also tested successfully by taking "test cases". It is user friendly, and has required options, which can be utilized by the user to perform the desired operations.

The software is developed using Java as front end and Oracle as back end in Windows environment.