



**Case Study:** Jeebandeep Diagnostic

**Technical Skill:** Java/J2EE, MySQL, Struts 1.1, Tomcat 5.5,

| CLIENT NAME           | COUNTRY | SOLUTION AREA             | STATUS    |
|-----------------------|---------|---------------------------|-----------|
| Jeebandeep Diagnostic | India   | Diagnostic Checkup System | Completed |

## Overview

This software represents the checking of various human body tests. The test includes like blood, urine, scan, sugar etc. Through this software we can also track the patient's physical characteristics based on some predefined conditions. Through this software Patient's can avail his Test Reports. Through this Software bill generation per Patient is also possible.

## Functional Area

The Software has two parts. First one is controller part, which is use for Administration. And the final most Part is bill generation with testing Part. From the administration's part the "Test names" is controlled. And all Conditions are previously defined with Respect to various tests. Comparing this entire test we can determine, that patient's Condition is normal or not. Another important part in "ADMIN" Module is doctor's Commission. The Second Module is "Operator" Module. Here firstly patient registered Himself/herself. For the registration Time, Patient just put the name of the Test/s, that he /she will avail. One Patient can avail more than one Test at a time. Based on the tests Bills will automatically generate. The reports will be generated after completing the test.

## Technical and Architectural Area:

This Software is developed by JAVA language. For developing this Software we used the J2EE Part of JAVA language. In this J2EE part we use The Struts technology. It's based on MVC2 Architecture. That is Model, View, and Controller. Here we use "Action" class as a controller's part as a View purpose. And for model Purpose we use DAO class. (Data Access Object). Here we also maintain or use an Abstract Factory design pattern. We use Tomcat server i.e. web server for deploying the "WAR" file.

The report part will be viewed through Acrobat Reader. PDF Writer class is used to view the report through PDF.

## Technical Specifications

| Key Components |            |
|----------------|------------|
| Front End      | Java/J2EE  |
| Technology     | Struts 1.1 |
| Web Server     | Tomcat 5.5 |
| Database       | MySQL      |