**1. Test Plan Identifier**

**File Name:**  OrangeHRM 1.0

**Location**: Chennai, Cognizant

**2. Document History**

|  |  |  |  |
| --- | --- | --- | --- |
| **REV** | **Author** | **Edits** | **Date** |
| 1.0 |  | Initial Draft |  |
|  |  |  |  |
|  |  |  |  |

**3. Introduction**

OrangeHRM is software product developed by INFIX SOLUTIONS for addressing various software needs of the Hospitals.

This test plan will outline the features to be tested as part of Employee details in the 1.0 release of VAS.

4. **Features to be Tested**

Medium priority features are features that have been stable and High Priority features are features that have been recently changed.

|  |  |  |
| --- | --- | --- |
| **Feature To be Tested** | **Priority** | **Comments** |
| Login details | High |  |
| Employee details | High |  |
| Project details |  |  |
| Timesheets |  |  |
| Leave details |  |  |
| Performance |  |  |
| Maintenance |  |  |

1. **Features NOT to be Tested**

Help Contents will not be tested.

Installation and presentation will not be tested.

Support of the other architectures also will not be tested.

1. **Test Strategy**

The test strategy for OrangeHRM will include manual testing with automated testing. Automated testing will be used to test the basic Interface objects, keyboard and mouse navigation or any redundant tasks best translated to automation. Automated testing will be limited to a Windows 7 64-bit platform because of Automation tool limitations.

* Sanity test will include an very short functional tests to ensure the OrangeHRM runs/launches and can connect to the back end database. Test execution will happen as individual component testing. These tests will be fully automated.
* Acceptance tests will include short functional tests that will only touch major features to ensure OrangeHRM will operate smoothly at a basic level. These tests will be executed on Windows 7, Windows 10, workstations and servers. The goal will be to automate all of these tests.
* Full Functional tests will include a comprehensive test of all features listed in this document. These tests will be limited to the Windows 7 or Windows 10 workstation client. These tests will include automation with time allowing.

**Functionality Testing**

**Registration**

Verify New Registration

Verify Modification of the existing record

Verify Deletion of the existing record.

Verify Searching of existing of records.

Verify Refresh of the Data Fields.

Verify Closing of the registration window.

**Login**

Verify with login credentials

**Admin**

**Usability Testing**

The usability testing will be accomplished by verifying the information in each window is accurate. Menus, icons and toolbar functionality will be tested as applicable to the navigation and results panes. Multi Window Overlapping will be tested because product supports opening of multiple documents.

6.1. Font size, font color, grammatical mistakes, font alignments, logos, copy right information, credential checking.

**Robustness/Reliability Testing**

Test the GUI for correct keyboard and mouse navigation, windows, menus, buttons, etc. These tests will include Keyboard only navigation of OrangeHRM, Mouse only navigation. Correctness and existence of warning/error dialog boxes. The correct/expected functionality of buttons, icons and menus.

**Stress Testing**

Not applicable

**7. Test Deliverables**

Test plan Business requirement specifications

Functional requirement specifications

Software requirement specifications

Test plan specification

Test scenario

Test case specification

Automation test plan

Test Specification OrangeHRM

Test Automation Plan TBD

Test Checklist TBD

Test Logs TBD

Test tools Selenium, jira

**8. Testing Tasks & Resource Needs**

Use of MYSQL server

Write Test Specification.

Write Test Automation plan.

Write Test Checklist.

Setup workspace.

Develop Automation script.

Minimum requirements for platforms:

Processor: Intel Pentium(R) Dual-Core CPU E5400 @2.70GHz

Installed memory (RAM): 4.00GB

System type: 64-bit Operating System

**9. Schedule**

Test Documentation

| Document | Development Time | | Sign-off Date | Dependencies |
| --- | --- | --- | --- | --- |
|  | Person-Days | Completion Date |  |  |
| Test Plan | 4 days | 16/1/2020 |  | Functional Spec. Review |
| Test Specifications | 7 days | 17/1/2020 |  | Test plan, Functional Spec, Review |
| Test Logs | TBD |  |  |  |
| Test Summary Report | TBD |  |  |  |
| Checklist | TBD |  |  |  |

Test Development

| Deliverable | Development Time | | Dependencies |
| --- | --- | --- | --- |
|  | Person-Days | Completion Date |  |
| Functional Test Suite | 5 |  |  |
| Automation build |  |  |  |
|  |  |  |  |

Test Execution

| Test Activity | | Execution Time (Person-Days) | | | Dependencies |
| --- | --- | --- | --- | --- | --- |
|  | | Alpha | Beta | FCS |  |
| Acceptance | | 3 Days | 3 Days | 4 Days |  |
| Functional | Functionality | 5 | 4 |  |  |
|  | Usability | All High to Medium test cases |  | 9 Days |
|  | Robustness |  |
|  | Stress |  |
|  | Multi Inst. |  |
| Regression | |  |  |  |  |
| Documentation Review | | 2 | 2 | 2 |  |
| Total Test Cycle | | 8 | 8 | 6 |  |

**10. Issues/Risks and Contingencies**

| RISK | CONTINGENCY | COMMENTS |
| --- | --- | --- |
| Any Automation will need to be created in parallel of testing. | Manual testing | Goal is to add Automation where possible.  Initial setup might be able to be worked on in an earlier stage if time permitting. |
| VB Accessibility Utilities and specs to verify compliance to Accessibility are not available. | Simplistic tests | Accessibility guidelines are not specified in spec. |
|  |  |  |
|  |  |  |

**11.Approvals**

| POSITION  \* Approval Required | NAME | SIGNATURE | REVIEWED | APPROVED |
| --- | --- | --- | --- | --- |
| Tech Lead |  |  | Raghavendra BN |  |
| Team | Anna Shobi |  |  |  |
| Project Manager |  |  |  |  |
| Client Approval | Cognizant Technologies |  |  |  |

12. **References**

OrangeHRM User Interface Specification

OrangeHRM Functional Specification

OrangeHRM Design Specification