**Online Hostel Management System**

**Requirements Specification Document**

**Introduction:**

This document gives an overview of the Online Hostel Management System. It gives in detail the various functional and non-functional requirements of the system.

**Revision History:**

|  |  |  |
| --- | --- | --- |
| **Document Version No.** | **Created/Updated By** | **Created/Updated On** |
| 1.0 | Chellapriyadharshini M | 20 Nov, 2016 |

**Glossary:**

Priority Levels – 1 – Highest Priority

5 – Lowest Priority

Risk Levels – Critical, High, Medium, Low, No Risk

Probability – It is the probability of not implementing the specific requirement.

His – throughout the document, ‘his’ shall be interpreted as ‘his/her’

**Functional Requirements:**

This section gives the details about the Functional Requirements of the system being developed.

|  |  |
| --- | --- |
| **ID** | HMS-01 |
| **Title** | User Login |
| **Description** | The user logs in to the system by entering his/her Username and Password. There are two types of users:   1. Warden 2. Student |
| **Priority** | 2 |
| **Risk Level** | Medium |
| **Probability** | 2% |

|  |  |
| --- | --- |
| **ID** | HMS -02 |
| **Title** | Show Student Details |
| **Description** | Upon logging in the user lands on his dashboard. In case the user is a Student it should show him the links for displaying the following details:   1. Personal Details 2. Fee Details   In case the user is a Warden, he should be able to see the links for displaying the following details:   1. Student Details 2. Room Allocation Details 3. Administrative Level which includes details on: 4. Electricity Usage 5. Water Usage 6. Cleaning Schedule |
| **Priority** | 1 |
| **Risk Level** | High |
| **Probability** | 5% |

|  |  |
| --- | --- |
| **ID** | HMS -03 |
| **Title** | Show Details for Students |
| **Description** | If a students logs in he should be able to view his personal details including year and branch of study, room number, local guardian details and hostel and mess fee details. |
| **Priority** | 2 |
| **Risk Level** | Medium |
| **Probability** | 2% |

|  |  |
| --- | --- |
| **ID** | HMS -04 |
| **Title** | Show Student Details |
| **Description** | If a warden logs in he should be able to view the details of the student given his student id. |
| **Priority** | 2 |
| **Risk Level** | High |
| **Probability** | 2% |

|  |  |
| --- | --- |
| **ID** | HMS -05 |
| **Title** | Room Allocation |
| **Description** | The warden should be able to view the room allocation matrix for all the hostels. |
| **Priority** | 1 |
| **Risk Level** | Critical |
| **Probability** | 1% |

|  |  |
| --- | --- |
| **ID** | HMS -06 |
| **Title** | Administrative Details |
| **Description** | The warden should be able to view the administrative details including: Electricity Usage Details, Water Usage Details and the Room Cleaning Schedule. |
| **Priority** | 1 |
| **Risk Level** | Critical |
| **Probability** | 1% |

**Non-Functional Requirements:**

|  |  |
| --- | --- |
| **ID** | HMS -07 |
| **Title** | Security |
| **Description** | All Students related data including their personal and payment details should be kept secure. |
| **Priority** | 2 |
| **Risk Level** | High |
| **Probability** | 2% |