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| --- | --- | --- | --- | --- | --- |
| ID | Risk Summary | Risk Category | Probability | Impact | RMMM |
| 1 | Loss of Data | Support risk | 5% | Negligible | R1 |
| 2 | Limited data storage | Performance risk | 10% | Critical | R2 |
| 3 | MU Fest | Schedule risk | 100% | Negligible | R3 |
| 4 | Mid Sem Exams | Schedule risk | 100% | Negligible | R4 |
| 5 | Late Delivery | Schedule risk | 30% | Marginal | R5 |
| 6 | Implementation Knowledge | Schedule risk | 35% | Marginal | R6 |
| 7 | Poor Comments/Documentation in Code | Performance risk | 40% | Marginal | R7 |
| 8 | Technology will not Meet Expectations | Performance risk | 30% | Critical | R8 |
| 9 | Misuse of Platform | Support risk | 40% | Catastrophic | R9 |

**Risk Mitigation, Monitoring and Management**

**R1 : Loss of Data**

**Mitigation:**

The data loss can be avoided if we use licensed softwares and proper equipment. Also, keeping a backup of data will be helpful.

**Monitoring:**

While working, we should make sure that the softwares we’re using are licensed, totally virus-free. And checking whether there is duplication of data is also important.

**Management:**

In case, we loss the data. The data can be recovered from the backup files. Another solution is using data recovery softwares.

**R2: Data Storage limitation**

**Mitigation :**

We can avoid the risk by categorizing all the data in to different fields. Hence, avoiding the data duplication.

**Monitoring:**

We can make sure that all the data is categorized. Only required data is used and redundant data is removed.

**Management:**

We can have different data storage made available in case of backup.

**R3: MU Fest**

**Mitigation:**

There may be timings issues due to events like MU Fest.

**Monitoring:**

We can make sure no more time is wasted and the available time is being utilized or not.

**Management:**

We can complete the goal before the risk or we can make sure the goal is achieved as soon as the risk is overcomed.

**R4: Mid Sem Exams**

**Mitigation:**

There has to be a balance between time distribution for mid semester exams, other tests taken for continuous evaluation and project development.

**Monitoring:**

We can make sure no more time is wasted and the available time is being utilized or not.

**Management:**

We can complete the goal before the risk or we can make sure the goal is achieved as soon as the risk is overcomed.

**R5: Late Delivery**

**Mitigation:** There are chances that the information cannot be given in required time.

**Monitoring:** A mechanism should be developed to response any request in defined amount of time.

**Management:** If the information or resources could not be given in time, we should have a mechanism to at least provide some reference for the request made.

**R6: Implementation Knowledge:**

**Mitigation:** A set of raw data may be available at the time of development that can not be directly used for any specific purpose.

**Monitoring:** We should store all the data available in a formatted form to make it useful for analytical decisions.

**Management:** The raw data and ideas should also be stored for long term usages.

**R7: Poor Comments / Documentation in Code**

**Mitigation:** There may be lack of sufficient information due to poor documentation.

**Monitoring:** Continuous documentation will be required.

**Management:** Some amount of time should be given to documentation during the development process.

**R8: Technology will not meet Expectations**

**Mitigation:** There may be limitations for implementing ideas using the techqnology available at given time.

**Monitoring:** During, the planning itself one should keep in mind how the implementation can be done.

**Management:** We should learn new ways for implementation of ideas using the existing technology.

**R9: Misuse of Platform**

**Mitigation:** The data views are accessible to only authenticated person.

**Monitoring:** There must be a mechanism for allowing data access for only authenticated users.

**Management:** Unnecessary views of data should be reduced.