**Software Risk**

Project Risk

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| --- | --- | --- | --- | --- | --- | --- | --- |
| ***Risk*** | ***Probability***  ***(0-1)*** | ***Impact***  ***(1-10)*** | ***Risk Factor*** | ***Responsibility*** | ***Mitigation Steps*** | ***Start Date*** | ***End Date*** |
| *Inadequate skill possessed by developers* | *0.3* | *3* | *0.9* | *Project Manager* | *Conduct training session before development of the project.* | *When the project commences* | *Within 1 week* |
| *Disgruntled employees* | *0.5* | *8* | *4* | *Project Manager* | *Give the job benefits* | *When the project commences* | *Till the end of project* |
| *Unrealistic performance standards* | *0.2* | *7* | *1.4* | *System Analyst* | *Consultation with developers* | *When the project commences* | *Within 1 week* |
| *Unrealistic Budget* | *0.8* | *9* | *7.2* | *Project Manager* | *Increase budget with a new feature* | *When the project commences* | *Till the end of project* |
| *Personnel resignation* | *0.5* | *9* | *4.5* | *Project Manager* | *Hire a new developer* | *When the project commences* | *Till the end of project* |
| *Insufficient resource* | *0.2* | *10* | *2* | *Project Manager* | *Upgrade resource* | *When the project commences* | *Till the end of project* |
| *Insufficient time* |  |  |  | *Project Manager* | *Request for additional developers to work on the project* | *When the project commences* | *Till the end of project* |

**Technical Risk**

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| ***Risk*** | ***Probability***  ***(0-1)*** | ***Impact***  ***(0-10)*** | ***Risk Factor*** | ***Responsibility*** | ***Mitigation Steps*** | ***Start Date*** | ***End Date*** |
| *Bad design* | *0.7* | *7* | *4.9* | *System Analyst* | *Consultation with expert system annalist* | *When the project commences* | *Within 1 week* |
| *Bad interface* | *0.3* | *4* | *1.2* | *Developer* | *Consultation with visual designer* | *When the project commences* | *Within 1 week* |
| *Cross-browser compatibility* | *0.2* | *10* | *2* | *Developer* | *Check compatibility on different browsers such as Mozilla and Chrome.* | *When the project commences* | *Till the end of project* |
| *Security risk due to confidentiality of data processed* | *0.8* | *10* | *8* | *Designer* | *Ensure restricted access to the system being developed* | *When the project commences* | *Till the end of project* |

**Business Risk**

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| ***Risk*** | ***Probability***  ***(0-1)*** | ***Impact***  ***(0-10)*** | ***Risk Factor*** | ***Responsibility*** | ***Mitigation Steps*** | ***Start Date*** | ***End Date*** |
| *Lot of competitors* | *1* | *9* | *9* | *Project Manager* | *Gain customer’s trust* | *When the project commences* | *Till the end of project* |
| *Technology change* | *0.3* | *2* | *0.6* | *Project Manager* | *Training the developers* | *When the project commences* | *Within 2 week* |
| *Management team support* | *0.6* | *8* | *4.2* | *Project Manager* | *Training the developers* | *When the project commences* | *Within 2 week* |

**Premature Risk**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| ***Risk*** | ***Probability***  ***(0-1)*** | ***Impact***  ***(0-10)*** | ***Risk Factor*** | ***Responsibility*** | ***Mitigation Steps*** | ***Start Date*** | ***End Date*** |
| *Release before the project completed* | *0.8* | *7* | *5.6* | *Project Manager* | *Release the beta version* | *When the project commences* | *Till the end of project* |

**Testing Risk**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Risk | Probability  (0-1) | Impact  (0-10) | Risk Factor | Responsibility | Mitigation Steps | Start Date | End Date |
| Incompatible test environment | 0.2 | 9 | 1.8 | System Analyst | Update the requirements | When the project commences | Till the end of project |
| Inexperienced tester | 0.8 | 9 | 7.2 | Project Manager | Tester training | When the project commences | Within 1 week |
| Use of a new technology | 0.5 | 5 | 2.5 | Project Manager | Training | When the project commences | Within 1 week |