

Risk Analysis

| Sr. No | Risk | Risk Type | Probability of occurrence | Impact | Impact Type | Impact (1-5) | Priority (P*I) | Response |
|--------|--|-------------------|---------------------------|--|------------------|--------------|----------------|---|
| 1. | No one in our group has done this type of project before | Technical | 0.5 | Because no one in group has develop before so if an issue or error occur then it will take more time to resolve. | Moderate to High | 3 | 1.5 | Every team member is taking this in a positive manner as all the members are willing to learn something from this project. |
| 2. | Product is complex to implement | Technical/Product | 0.4 | It fails to run or possibly give no or wrong output. | High | 4 | 1.6 | We have spent maximum of our time in finding logic. |
| 3. | Fail to address priority constraints | Product | 0.6 | If we fail to consider hard constraints, then a faculty can assign two lectures at same time in two different classes. If we fail to consider soft constraints, then a faculty might have to sacrifice with his choices. | Moderate to High | 2 | 1.2 | The first priority will be given to the hard constraint and then soft constraint because as of now also the manual system follows the same. |
| 4. | Problem is not properly understood by the team | Team | 0.3 | We may deliver different product than expected. | High | 5 | 1.5 | We will make sure to get information from various people and interpret the solution they want. |
| 5. | Team members may fail to understand some | Team | 0.3 | Quality of the product may suffer. | Moderate | 2 | 0.6 | As we are 10 people in the team and we are gathering the |

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| | requirements | | | | | | | requirements from many people we would be able to understand proper requirements and also we can solve the doubts about any requirement by asking the stakeholders and get it properly. |
| 6. | Availability of team members | Team | 0.3 | Weak understanding among team members, less coordination and time management will become difficult. | Low | 1 | 0.3 | Discussion regarding general issues can be done online in group and discussion regarding important topics are done through meetings which are stated prior. |
| 7. | Competition | Business | 0.6 | If our competitor provides better solution than us, then our product might not be use. | Moderate | 3 | 1.8 | We will try to make a web application which is user friendly so that even non-tech people can use. |
| 8. | Strategic risk | Business | 0.5 | If strategies we decide become less efficient then objectives are not easily met. | Moderate | 2 | 1 | We can discuss the strategies with our faculty or TA's and get their guidance to work in proper way. |
| 9. | Training human resource | Business | 0.3 | It will require more effort to train other team member who are not fully aware of technology so it will lead in consumption | Moderate | 2 | 0.6 | Team members are ready to give extra time to learn new language in which project will be made. |

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| | | | | of time and effort. The team members who are aware of the technology may fail to guide another member properly | | | | |
| 10. | Lack of commitment | Team | 0.2 | Increase the work load on other team members and work will not proceed as plan. | Low | 1 | 0.2 | Active team members will guide and enforce non-participating members to accomplish a given work in particular time. |
| 11. | Difficulty in integration of modules | Technical/ Product | 0.4 | Leads to rework. | Moderate | 3.5 | 1.4 | To resolve this problem before merging the individual modules, we will first ensure that all the individual modules work properly without any error and also ensure that they give expected outcome. |