Po

Project risk analysis and management

Assignment 1 Group 4

University of Wollongong

System Development

Risk Analysis and Counter Measures

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|  | Impact Type | Risk of Seriousness (%) | Likelihood of Occurrence (%) | WBS (affected work/task) | Risk Description |
| 1 | Budget | 70% | 10% | All | Some or all project’s team members may demand a higher pay which can result on the project being halt. |
| 2 | Deadline | 80% | 10% | All | Some of the team’s member may resign in the middle of the process or will lower the quality of the project if rushed. |
| 3 | Technology Problem | 90% | 5% | All | System error may slow down the project process and consume more time to fix it. |
| System crash may result in the loss of data which may move the project several step back. |
| 4 | Document Problem | 30% | 5% | All | Wrong documentation can create some major confusion in the team’s members and it will increase the workloads. If it’s a document lost, it can potentially cause the project to move several step back. |
| 5 | Personal Problem | 10% - 80%  (Depending on the person’s position and problem) | 5% | All | If a team’s member suddenly face a personal problem such as family matter or relationship problem, it can reduce the performance or in the worst case, the member will resign from the project. |
| 6 | Requirement Changes | 10% - 70% (Depending on the changes) | 10% | All | If somehow the project manager or the director ask for some changes in the project, it will cause some problem depending on the changes. If the changes is big, probably the effort and the time consumed will be null. It also can increase the time consumption to finish the project thus missing the deadline. The changes can come from the company itself or by customer’s demand. |

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|  | Risk Description | Proposed Management Plan | (Possible) Reduction in Risk Seriousness (%) |
| 1 | Some or all project’s team members may demand a higher pay which can result on the project being halt. | Plan 1: Offers the pay demanded by the team’s members. | -75% |
| Plan 2: Fire some members that demand higher pay then find fill the missing position. | -25% |
| Plan 3: Reduce the workload per individual and hire more members that are willing to work on the project. | -35% |
| 2 | Some of the team’s member may resign in the middle of the process or will lower the quality of the project if rushed. | Plan 1: Reduce the workload per individual and hire more members that are willing to work on the project. | -50% |
| Plan 2: Extend the deadline | -50% |
| 3 | System error may slow down the project process and consume more time to fix it. | Plan 1: Do some regular (daily or weekly) maintenance on any electronic during the time outside the work period. | -80% |
| System crash may result in the loss of data which may move the project several step back. | Plan 1: Back up the data after the work daily on one or more computers. | -80% |
| 4 | Wrong documentation can create some major confusion in the team’s members and it will increase the workloads. If it’s a document lost, it can potentially cause the project to move several step back. | Plan 1: Keep track of all documents created and store them according to the type and purpose. | -20% |
| Plan 2: Hire an experienced and professional documentarist. | -25% |
| 5 | If a team’s member suddenly face a personal problem such as family matter or relationship problem, it can reduce the performance or in the worst case, the member will resign from the project. | Plan 1: Regular check-up or meeting with the team’s member. | -50% |
| Plan 2: Find a replacement or hire a new employee. | -50% |
| 6 | If somehow the project manager or the director ask for some changes in the project, it will cause some problem depending on the changes. If the changes is big, probably the effort and the time consumed will be null. It also can increase the time consumption to finish the project thus missing the deadline. The changes can come from the company itself or by customer’s demand. | Plan 1: Regular briefing and meeting between the members. | -60% |
| Plan 2: Work out all of the possibilities change | -25% |