Department of Computer Science

COMSATS Institute of Information Technology, Lahore

**26 September 2014**

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| **COMSATS Institute of Information Technology** | **Lancaster University** |

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| **Student Information** | | | | | | |
| **Sr.#** | **Registration ID- Sec** | **Name** | **CGPA** | **Email ID** | **Phone #** | **Signature** |
| **(i)** | **DDP-BCS-FA11-201** | **WAQAS ASHIQ** | **2.5** | [**TRACK\_FORU@YAHOO.COM**](mailto:TRACK_FORU@YAHOO.COM) | **0321-7067743** | **WAQAS** |

**SOFTWARE ENGENEERING II**

**ASSIGNMENT No. 1**

**Risk No-1: Delivery deadline will be tightened**

**There are 100 employees working on a project, but deadline will be tightened and they will not be able to deliver on time. At least 20% of total employees will need to give extra time toward the project, each should have to put 3 hours more to the project. Per hour wage of each employee is $20.The probability is 50%. Cost will increase by**

Wages to pay to employees = (20/100 x 10) x 3 x 20= $1200

Risk Exposure= C x P

RE = 1200 x 0.50 = $600

**Risk No-2: Technology will not meet expectations**

**The 20% of the existing processing unites being used for the processing are old which will not perform particular task. They need to be updated price of one unit is 1000 and there are total 100 unites in the company.**

Cost = 0.2 x 100 x 1000 = $20,000

Risk Exposure= C x P

RE = 20,000 x 0.30 = $6000

**Risk No-3: Lack of training on tools**

**There are less number of training tools than required for the training of employees on an organization. The requirement is of 100 tool while there is only 70 available. Price of one tool is $100. 30 more tools are required to train employees.**

Cost = 30 x 100 = $300

Risk Exposure= C x P

RE = 0.80 x 300 = $240

**Risk table:**

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| Risk | Category | Probability | Impact | RE | RMMM |
| 1. **Delivery deadline will be tightened**  2. **Technology will not meet expectations**  3. **Lack of training on tools** | BU  TE  DE | 50%  30%  80% | 2  2  3 | $600  $6000  $240 |  |

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| **Risk Information Sheet** | | | | |
| Risk ID : 01 | Date : 24/9/2014 | Prob : 50% | | Impact = Moderate |
| **Description :**  **There are 100 employees working on a project, but deadline will be tightened and they will not be able to deliver on time. At least 20% of total employees will need to give extra time toward the project, each should have to put 3 hours more to the project. Cost will be increased by $600** | | | | |
| **Refinement/context :**  **Sub condition 1:** Deadline will be tightened due to slow progress of work.  **Sub condition 2:** It will cost more to follow deadline.  **Sub condition 3:** Deadline will be tightened due to more work than planned. | | | | |
| **Mitigation/Monitoring:**  1. Team leaders and project manager should have to follow break down plans.  3. Employees should be provided with a good environment and resources on which they can work.  3. Should plane and divide work according to work force. | | | | |
| **Management/contingency plan / trigger :**  RE computed is $600. Allocate this amount with project contingency cost. Develop revised schedule that 20 employees should have to work more each 3 hours a day. Allocate resources accordingly.  Trigger: Mitigation steps unproductive as of 24/9/2014 | | | | |
| **Current status:**  01/10/2014: Mitigation steps initiated. | | | | |
| Originator : Waqas Ashiq | | | Assigned : James | |
| **Risk Information Sheet** | | | | |
| Risk ID : 02 | Date : 24/9/2014 | Prob : 30% | | Impact = Low |
| **Description :**  **The 20% of the existing processing unites being used for the processing are old which will not perform particular task. They need to be updated price of one unit is 1000 and there are total 100 unites in the company.** | | | | |
| **Refinement/context :**  Sub condition 1: Not much budget is being allocated for up gradation.  Sub condition 2: Step wise up gradation is happening.  Sub condition 3: Up gradation contractor is not following planed dates. | | | | |
| **Mitigation/Monitoring:**  1. The technology should have to be up to date to perform particular tasks.  2. Contractor should have to be changed.  3. More funds should have to be provided to update technology. | | | | |
| **Management/contingency plan / trigger :**  RE computed to be $6000. Allocate this amount within project contingency cost and allocate staff accordingly.  Trigger: Mitigation steps unproductive as of 24/9/2014 | | | | |
| **Current status:**  26/10/2014: Mitigation steps initiated. | | | | |
| Originator : Waqas Ashiq | | | Assigned : Kathrine | |

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| **Risk Information Sheet** | | | | |
| Risk ID : 03 | Date : 24/9/2014 | Prob : 80% | | Impact = High |
| **Description :**  **There are less number of training tools than required for the training of employees on an organization. The requirement is of 100 tool while there is only 70 available. Price of one tool is $100. 30 more tools are required to train employees.** | | | | |
| **Refinement/context :**  **Sub condition 1:** Tools might have been out of order.  **Sub condition 2:** Employees are not much trained so they need tools to perform tasks.  **Sub condition 3:** Organization might have hired more employees then the tools they currently have. | | | | |
| **Mitigation/Monitoring:**  1. Employees should have to get trained so they don’t need tools.  2. New employees should work in teams with old employees so they can share their tools and get experience from seniors.  3. Broken tools should have to repair. | | | | |
| **Management/contingency plan / trigger :**  RE computed to be $240. Allocate this amount within project contingency cost and allocate staff accordingly.  Trigger: Mitigation steps unproductive as of 24/9/2014 | | | | |
| **Current status:**  26/10/2014: Mitigation steps initiated. | | | | |
| Originator : Waqas Ashiq | | | Assigned : STEVEN | |