**Project Name:** ISMTE

**Sample Only**

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**Document Title:** Project Proposal

**Revision number:** 1.3

**Names and Email address:**

XXXXX

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**1. Overview**

In the current era of highly competitive technical vendor across world and wide spread technology and resources, it is essential for software development firm to be as streamlined and efficient as possible in all aspects.

International Stock Market Trading Enterprise (ISMTE) is leading software development firm in financial trading initiative by leveraging many information technologies to increase management control, provide widespread technology and information transfer, and enhance business process. It develops and supports software application and customizes solutions to various applications available for financial markets internationally for efficient and secure transactions related to purchasing, trading and providing best accurate information at any given time to the customers.

Currently, ISMTE has initiated responsibility for launching a new software module for tracking financial trades. The product development team is simulating a dynamic model for in-house development in Boston versus outsourcing to Banglore, India for analyzing various factors like the resources required, the time consumed, quality achieved , the cost occurred and revenue earned to optimize the gain. Basically, both the scenarios will compare development time it consumed and revenue generated at the end for one year. First scenario, in-house development it takes one year to complete the product and thereafter generates the revenue for another one year. Second scenario, out sourcing to India, it takes six more months to complete the project and hence the revenue it generates will be delayed by six months. By analyzing the cost and the revenue it generates in both scenarios, the model will help us to determining the cost saved in out sourcing project with delaying revenue in six months.

One of the main concerns is staffing for product development and time it can consume, as the cost of complete module deployment constantly fluctuates depending on a variety of parameters such as technical experts salary, number of fulltime employees, time (in terms of months) is takes to translate the requirements to accurate software implementation, revenue it generates, quality can be achieved and the customer satisfaction it can provide.

This project will provide a decision support system for ISMTE firm that will produce an accurate revenue and cost overview for their given project development.

The upper management of the ISMTE would be the primary users of this model, however, over time, this model could be modified to help with other types of software developments and customization schedules within the IT department.

The scope of this problem is fairly broad as many parameters affect the decisions in the ISMTE IT division. This particular model develops mission-planning systems for current and future financial trading customers. Additionally, considerations like full time employees, interns and consultants along with varying costs provide additional ripples in the model.

**2. Budget**

The cost is in units of hours per team

## Planning

|  |  |
| --- | --- |
| Task | **Cost (in hours)** |
| Problem Definition | 4 |
| Problem Part Allocation | 1.5 |
| Project Schedule | 2.5 |

### Modeling

|  |  |
| --- | --- |
| Task | **Cost (in hours)** |
| Define components, format, style | 4 |
| Model Implementation | 20 |

### Documents

|  |  |
| --- | --- |
| Task | **Cost (in hours)** |
| Project Proposal | 3 |
| Midpoint Status Report | 2 |
| Final Report | 7 |
| User Guide | 5 |
| Reference Guide | 5 |

### Execution

|  |  |
| --- | --- |
| Task | **Cost (in hours)** |
| Model Exploration (scenario testing, Analysis) | 4.5 |

**3. Team**

We will be doing this project in team of two members – Sachin Jain and Darshana Gurjar. We have plan to interview and work extensively with the few product managers in the IT division to precisely analysis what parameters and behaviors need to be incorporated into this project to optimize the value return.

**4. Inputs, parameters and outputs**

|  |  |
| --- | --- |
| Parameters | **Parameters List** |
| Input Stream | * Infrastructure Cost   + Office space   + Office Furniture   + Stationary   + Office Utilities * Hardware and Software Cost   + Hardware to suppose the system   + Software licensing * Employees   + Full Time   + Part Time   + Interns   + Consultants |
| Other Parameters | * Time to complete the project * Quality of the product |
| Output Streams | * Cost * Revenue |

**5. Schedule and milestones**

|  |  |  |
| --- | --- | --- |
| **Milestone** | **Date** | **Description and**  **Deliverable** |
| I. Project Exploration and Data Requirements Generation | Oct 8, 2009 | Identify and concentrate a key issue within ISMTE that can be modulated with a decision support system. The Project Proposal will be the deliverable. |
| II. Model Execution | October 29, 2009 | Continue streamlining model and parameters with user input to provide for optimized solution. The Midpoint Status Report will be the deliverable. |
| III. Model Analysis | November 19, 2009 | Complete all initial coding of the model. Model will be analyzed for fidelity and robustness. |
| IV. Support Documentation | December 17, 2009 | Deliverables will be the Reference Guide, User Guide. |
| V. Model Demonstration | December 17, 2009 | Model will be presented in final form. Deliverables will be the Final Report and Project Model. |