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**Required System Feasibility Analysis**

**(Technical, Economic, Operational, and Scheduling feasibilities)**

*Technical Feasibility*

The technical feasibility analysis was based on the company’s current resources (hardware and software) and technology that are required to accomplish the user requirements within the allocated budget and time. For this, we had to check whether the current technology could be upgraded with our proposed solution being added onto the current system, or if we would have to develop a new, independent system.

*Economic Feasibility*

The economic feasibility analysis was based on whether the required solution is capable of generating any financial gains for the organization. It included costs incurred on the software development team, estimated hardware and/or software costs, cost of performing a feasibility study, cost of training employees and so on.

*Operational Feasibility*

The operational feasibility analysis was based on assessing the extent to which the required solution performs a series of steps/tasks to solve business problems and user requirements. Our proposed solution will not require too much time to educate the employees, as it is essentially an upgrade that will not drastically change the current system and will be fully functional and ready to be used as soon as implemented. The recommended solution will be heavily used on a daily basis to help employees perform daily operations in a more efficient manner. Therefore, our proposed solution has a high probability of being implemented.

Scheduling Feasibility

The scheduling feasibility analysis was based on estimating the time required for completing the project. This is done by measuring the time required for the development of the system, which is based on the system requirements. Through this, efforts are made from our team to allocate manpower to their respective tasks which allows us to ensure completion of the project within the deadline.

**Option 2**

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| Option 2: Cost and Timeframes | | |
| **Component or Service** | **Cost** | **Time to Complete** |
| Hardware & Software Expansion | $190 - $450 | 4 weeks |
| Employee Time | 1hr per day Wage ($200) | 1 week |
| Analysis Team Time | ($200/hr) $6,750 | 5 weeks |
| Totals | $7,400 | 10 weeks |
| Estimated Cost of Hardware & Software Developments | | |

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| Estimated Cost of Hardware & Software Development | | |
| Data Server | | $400 |
| Estimated Cost of New Software | | 0 |
| Total |  | $400 |
| Cost of Employee Time | | Approximate Cost |
| IT Technician  ($25/hr \* 4hr) \* 6 members | | $100 |
| Total |  | $100 |
| System Analysis Team Cost | | Approximate Cost |
| System Analysis Team Cost  ($30/hr \* 20hrs) \* 10 weeks | | $6,000 |
| Total |  | $6,000 |
| Grand Total | | $7,400 |