**Business Rules**

Business rules are list of statements that depicts the business policy and procedure. Here are the lists of rules implemented in Spark Global Tech Systems Inc. that is related to the proposed system.

1. The project manager will provide the basic information about the project that will be developed.
2. Business Analysts will start project scoping and create necessary documents about the project that will be developed.
3. All documents will be subject for approval of the project manager and COO before starting the development of the project.
4. With the necessary documents at hand, the software head will determine the number of development man hours.
5. The schedule or timeline of the project will be approved by the COO.
6. If the schedule has been approved, the software head will start assigning tasks to the developers with respect to the timeline of the project.
7. The developers will carry out the tasks in developing the project and update the status of their tasks and determine if the development milestones has been met.
8. If the development phase is done, the next phase will be internal testing which will be done by the business analysts.
9. Given that the testing has failed, business analysts will present the Requirement Traceability Matrix to the developers as a common reference on what scenarios the system has failed.
10. The test results will be assessed after the testing has been passed and the system is ready to be presented to the client.
11. The system will be prepared to be presented to the client and conduct User Acceptance Test and the CEO will provide the certificate of acceptance if the UAT has been passed.
12. After the UAT has been passed, Deployment of the system will be initiated.
13. Assessment of the project deployment will take place and the business analysts will be instructed to carry out another User Acceptance Test if the deployment has failed.
14. Server testing will be done if the deployment of the system has been successful.
15. Server testing result will be assessed and the business analysts will be instructed to carry out another User Acceptance Test if the server testing has failed.
16. After a successful server testing, the data migration from the existing system to the newly developed system will start.
17. Training of the end-users will be done after the data migration phase.
18. With all of the phases done and the system fully deployed, live support will still take place to ensure the quality of service of the system and the company. Like providing warranty and bug fixing on the errors found after the deployment of the system.
19. If bugs and errors have been found, business analysts will document the findings for assessment and investigation.
20. The Software head will assign the fixing of bugs to the developers and monitor the status of bug controlling;
21. Only then the developers will fix the bugs and update the status for the bug report.

**Statement of the Problem**

The proposed system aims to provide a web-based project monitoring system for Spark Global Tech Solutions Inc. The study aims to solve the following problems:

1. What are the stages undertaken in the development of Project Monitoring System for Spark Global Tech Solutions, using Agile Software Development?
2. What are the problems encountered by the Spark Global Tech Solutions Inc. in their existing/automated System in terms of:

2.1 Monitoring the status of the company’s projects;

2.2 Designating tasks for each employee;

2.3 Tracking of employees’ accomplishments and the progress of each activities; and

2.4 Notifying the employees about the deadline of each activity in the project and the deadline of the whole project as well.

3. How will the Project Monitoring System for Spark Global Tech Solutions Inc. solve the problems identified in sub-problem number 2?

4. What user manual may develop in the application of the Project Monitoring System for Spark Global Tech Solutions Inc.?

5. What benefit can be derive in implementing the Project Monitoring System for Spark Global Tech Solutions Inc.?

**Objectives of the Study**

1. To be able to identify and follow the stages to be undertaken in the development of Project Monitoring System for Spark Global Tech. Solutions Inc. using Agile Software Development.

2. To solve the problem encountered by the Spark Global Tech. Solutions Inc. in their existing/automated system.

2.1 To monitor the status of the company’s projects;

2.2 To Designate tasks for each employee;

2.3 To track employees’ accomplishments and the progress of each activities and;

2.4 To notify the employees about the deadline of each activity in the project and the deadline of the whole project as well.

3. To develop a system that will help the project managers in monitoring the accomplishments of each of the employees assigned to the projects.

4. To establish the system in such way that it will be accessible through the internet in order for the employees to use the system anytime and anywhere.

5. To determine the benefits that can be derive in implementing the Project Monitoring System for Spark Global Tech Solutions Inc.