Team Members:

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Project Charter

1. Project definition and Justification:

The purpose of the project is to create software for Inventory Management and tracking equipped with Blockchain technology to give transparency to the Supply Chain network. It is necessary to create transparency in all levels of the supply chain to solve the issue of information asymmetry so that all stakeholders have an incentive to share the data.

1. Project Scope
   1. Objectives:

* To create an ecosystem that enables the manufacturers to share the data of all the supply chain levels such as planning, scheduling, purchasing, manufacturing, and logistics. Also, the same platform can be accessed by the other stakeholders such as distributors and retailers. This helps to create transparency among all the stakeholders.
* The software comes equipped with features like inventory management and tracking, which allows manufacturers to effectively manage the inventory and allows retailers to place an order and keep track of it.
* Effective data management, that enables manufacturers to perform demand forecasting using the inventory and sales data.
  1. Deliverables:
* User-friendly software with 2 different logins, one for the manufacturer and the other for distributor/retailers
* Interactive dashboards
* Data management and a feature to offline the data
* Data migration from legacy systems
* Chat support to create a collaborative platform
* User training
  1. Requirements:
* User friendly interface
* Separate login for manufacturer and consumer
* Secure from data theft
* No data loss/corruption during data migration
* Complete data migration before the handover of the project
* Technical support
* User manual including troubleshooting steps and escalation matrix
* Periodic training for the users about the usage and new features/updates
  1. Items Excluded:
* Potential external network attacks are not the project team’s responsibility

1. Project Priorities:

* Scope of the project has the highest priority, then comes the schedule and cost of the project has the least priority
* Adhere to the tight project deadlines
* Performance of software
* Effective utilization of available resources

1. Constraints:

* The project must be planned by 01/30/2020
* Complete data migration must be done by 03/12/2020
* Project must be executed and delivered by 03/25/2020
* Project can be delivered only if all the user testing and performance tuning is completed

1. Assumptions:

* Manufacturer is willing to share all the data to maintain transparency
* It is the manufacturer’s responsibility to handover all the key stakeholders’ data
* It is possible to migrate data from different systems used by various stakeholders
* Project team has sufficient knowledgeable resource to complete all the tasks

1. Key stakeholders:

The key stakeholders of the project, as of commencement are as follows:

* Manufacturer
* Distributors
* Retailers
* Suppliers
* Technical support team

1. Major Milestones

|  |  |
| --- | --- |
| **Event** | **Estimated Completion** |
| Detailed Project Plan | 01/30/2020 |
| Creation of login and CRUD modules | 02/10/2020 |
| Integration of chat support | 02/18/2020 |
| Creation of blockchain network | 03/08/2020 |
| Data migration | 03/12/2020 |
| Test run and submission of test reports | 03/20/2020 |
| Training and handover | 03/25/2020 |
| Project signoff | 03/28/2020 |