Assignment 2

**Problem**

The problem of wild elephants often destroys agricultural crops of villagers in the park area and shouting at night because they come out to find the food that can make villagers scared.

**Objective**

Develop system for detecting elephant motion to safety and warning of wild elephants when it comes close to the community

**System Operations**

1. IOT Technology System

* Detecting the movement of the elephants

1. Map Analytic

* Analyze the routine path of the elephant

1. Data Analytic

* To show data in dashboard
* Elephant behavior analysis

1. Machine learning/ AI

* Build model
* Prediction Elephants

**Timeline**

|  |  |  |
| --- | --- | --- |
| Task | Start Date | Day to Complete |
| 1. Planning |  |  |
| 1.1 Project Requirement | 8/19/2019 | 2 |
| 1.2 List Resources | 8/19/2019 | 2 |
| 1.3 Form Team | 8/22/2019 | 10 |
| 1.4 Review Idea | 9/2/2019 | 2 |
| 2. Analysis |  |  |
| 2.1 On Site Meeting | 9/4/2019 | 3 |
| 2.2 Discussions with Stakeholder | 9/9/2019 | 2 |
| 2.3 Case Analysis | 9/11/2019 | 10 |
| 2.4 Analyze System Needed | 9/11/2019 | 5 |
| 2.5 Document Systems | 9/12/2019 | 5 |
| 2.6 Analysis Complete | 9/15/2019 | 2 |
| 3. Design |  |  |
| 3.1 Design Database | 9/20/2019 | 15 |
| 3.2 Design System | 9/20/2019 | 20 |
| 3.3 Map Design | 9/25/2019 | 15 |
| 3.4 Software Design | 9/26/2019 | 25 |
| 3.5 Interface Design | 9/26/2019 | 25 |
| 4. Development |  |  |
| 4.1 Develop System | 10/21/2019 | 45 |
| 4.2 On Site Setting | 11/5/2019 | 7 |
| 4.3 Integrate System | 11/15/2019 | 5 |
| 4.4 Perform Initial Testing | 11/21/2019 | 4 |
| 5. Testing |  |  |
| 5.1 Sensor Testing | 11/26/2019 | 10 |
| 5.2 Map Testing | 11/26/2019 | 10 |
| 5.3 Software Testing | 12/6/2019 | 7 |
| 5.4 Perform Document | 12/6/2019 | 5 |
| 6. Project Debriefing |  |  |
| 6.1 Evaluate System | 12/14/2019 | 4 |
| 6.2 Analysis Support Needed | 12/19/2019 | 5 |