**Team-TACTICAL SURVEILLANCE**



Minutes of Meeting Date: 26/02/2019

Members Present: Preethi.R, Tamilarasi , Vishraanthi.A.P.S. , Janarthanan.V, Jayachandhran.S, Vignesh.K

Discussion Points:

• Problem Statement- Tactical Surveillance for identifying the enemy troop and locate their location using a device which is compact(weightless)

• Identify the area – a) Algorithm or b) Battery source c) Design factor

• How Range and Target accuracy level be achieved accurately.

• Time consumption should be less and Image processing is required.

• Existing Explored Solutions: Satellite Surveillance , HHTI and Black

Hornet.

• General discussion and opinion:

 Night vision

 Thermal and sound are factor of measure

 Battery development is not advised, use existing batteries

 Tele-operated or autonomous

Action Items:

|  |  |  |
| --- | --- | --- |
| # | Action Items | Owners |
| 1 | Explore IP cameras | Pratheep C |
| 2 | Buy the Recommended IP Camera | John V Jayakumar |
| 3 | Explore Face Recognition Algorithms | Nivetha G |
| 4 | Explore Android App | Nivetha G |
| 5 | Project Milestone Plan | Arjunraj G A |
| 6 | Ulo Reviews | Arjunraj G A |



Roles:

**PROJECT X**

|  |  |  |
| --- | --- | --- |
| # | Name | Role |
| 1 | Preethi R | Innovator |
| 2 | Vishraanthi A P S | Innovator |
| 3 | Tamilarasi S | Innovator |
| 4 | Janarthanan V | TechOps Fellow |
| 5 | Jayachandhran S | Management Fellow |
| 6 | Manivanan |  |
|  |  |  |
| 6 | Vignesh R | Mentor |

Deliverables:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | Milestones | Deadline | Deliverables | Owners |
| 1 | Live camera feed to mobile | 1 Week  11/02/2019 - 17/02/2019 | ● Buy off the shelf  IP camera  ● Stream camera feed to android mobile | Nivetha  Divya |
| 2 | Face Recognition Algorithm and 3D design of cat | 1 Week  18/02/2019 - 24/02/2019 | ● Recognize face from the feed.  ● Design 3D model of cat with dimension considerations | Pratheep  Nivetha |

3 PoC

1 Week

25/02/2019 - 04/03/2019

• Complete assembled PoC

• Optimized fully functional Android App

Pratheep Nivetha Divya



Project Updates:

**PROJECT X**

● Bi-Weekly updates via Email every Wednesday and Saturday by 6:00 PM.

● Weekly Call scheduled at every Thursday 6:00 PM (Based on your availability).