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

• Range and Target accuracy level is to 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



Roles:

**SPYCAM**

|  |  |  |
| --- | --- | --- |
| # | Name | Role |
| 1 | Preethi R K | Innovator |
| 2 | Vishraanthi A P S | Innovator |
| 3 | Tamilarasi S | Innovator |
| 4 | Janarthanan V | Innovator |
| 5 | Jayachandhran S | Innovator |
| 6 | Nivetha Priya | FMPI  FPDE |
| 7 | Mannivanan | FPDE |
| 8 | Vivek | Mentor |

Deliverables:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | Milestones | Deadline | Deliverables | Owners | |
| 1 | Python | 1 Week  27/02/2019 - 05/03/2019 | ● Basic concepts of python to be thorough  ●Real time Implementation | Preethi  Tamil | |
| 2 | Validate balloon concept | 1 Week  27/02/2019 - 05/03/2019 | ●Theoretical study  (Not up to implementation) | Jana | |
| 3 | Sensors | 1 Week  27/02/2019 - 05/03/2019 | * Analysis of sensors. | | Jai  vish |



MUP Updates:

**SPYCAM**

* Every day there will be a discussion on MUP and it is updated in the document for team discussion.
* On further updates on MUP, will be discussed with the mentor based on his availability.