## Project Title :- INaM (Indoor Navigation and Mapping)

( Due to feasibility issues we have changed the project)

The new one is to make an "**Internet controlled surveillance bot**".

## Short description :-

This bot will be able to provide images of particular area via internet. Main processor used will be Raspberry Pi.

## Implementation Steps :-

- 1st week :- Learning Python for Raspberry pi, PHP , HTML . And deciding the motors, programmer .
- 2nd week :- Working code for the r pi module , PHP ,HTML.
- 3rd week :- Building an interface between r pi camera module, wifi dongle, and motor controller ic.
- 4th week :- Program to communicate with the web server, and then completing and testing the bot.

## Components Required And Their Price Estimate:-

| Sr. no. | Component Name | Quantity | Individual price | Price(approx.) |
|---|---|---|---|---|
| 1. | Raspberry pi + camera + wifi dongle | 1 | 7000/- | 7000/- |
| 2. | Motors | 3 | 200/- | 600/- |
| 3. | Omni wheels | 3 | 440/- | 1320/- |
| 5. | Motor Driver(L293D) | 1 | 70/- | 70/- |
| 6. | Servo Motor | 1 | 500/- | 500/- |

## What Do You Expect to Learn By The End Of The Project?

We as a team expect to learn :

- Using Raspberry pi.
- PHP
- HTML