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

2) Implementation Steps :- 1st week :- Making of Bots without WebCam and Atmega

2nd week :- Learning to code Atmega ,applying it to the bots and making of arena

3rd week :- Learning Image Processing and applying it to bots

4th week :- Navigation via Image Processing

5th week :- Mapping via IR Range Finders

6th week :- Buffer week for improvising the Project

3) Components Required And Their Price Estimate:-

a) Bluetooth Modules	: 900 *2 =1800	
b) Atmega-32	: 900 *2 =1800	
c) IR sensors	: 800 *4 =3200	
d) Batteries	: 250 *2 =500	
e) Motors	: 500 *4 =2000	
f) other less important parts	: =200	
	Total :	9500

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

We as a team expect to learn :1) coding of Atmega32 and its implementation

2) Image Processing

3) how to make two or more bots communicate

4) basics of Swarm Robotics