project charter

Project Name: First Aid Robot.

Project sponsor: A software company and a mechatronic company with medical supervision.

Project manager: Mohamed Abdelmoniem.

Project Purpose:

Treating The injured person from any accident, whether on the road or at home.

Business case && General statement: anyone can have an accident, whether he is at home or on the road, this injury may cause him serious complications if he is not treated at maximum speed. waiting ambulance to do this, takes time. but with Existence first aid robot will reduces the chance of deteriorating health condition.

first aid robot is programmed to do first aid to the injured person.

first aid robot equipped with a (sensor) to discover the location of the injured person and go to him directly to be rescued. also has (GPS) and (database) for addresses of hospitals.

While is robot do first aid and the same time it will send a report of the injured case to the nearest hospital on its website to equip specialized doctors and a room to receive the injured person and to send an ambulance to transport the injured person.

first aid robot can be carried, so it can be placed at home or in the car while driving.

Project results:

1-implementation of first aid robot project.

2-Reducing the chances of the injured person getting worse.

3-All implementation complete by one year.

Basic Milestone Timeline:

from Jan to Mar : Creation the robot structure.

from Apr to sept : Programming the robot (includes sensor , GPS, database).&&

design websites for all hospitals.

from oct to Dec : Robot accuracy test ,detecting and fixing errors.

By the end of December the robot will be ready.

Project Resources:

1-Budget: 500 million pounds (includes structure for robot , software for robot (sensor ,GPS), design websites for all hospitals and testing).

2-Mechatronic company to build robot structure.

3-Software company to program robot && design websites for all hospitals.

4-database for Surrounding hospitals.

Project Constraints, Assumptions, and Risks:

1-The project must be completed within one year.

2-The project must not exceed 510 million pounds.

3-Mechatronic company and software company must do their work according to the specified time.

4- The hospital employees maybe don't have enough experience for in dealing with the website hospital.

5-The learning curve for our employees to learn how to deal with the website hospital.