Institute Name:
PANIMALAR ENGINEERING COLLEGE CHENNAI CITY CAMPUS

Title of the Innovation/Prototype:
PERSONAL ROBOT ASSISTANT FOR ELDERLY CARE

Team Lead Name:	Team Lead Email:	Team Lead Phone:	Team Lead Gender:
Karthik Vinod	karthikvinod06@gmail.com	8637620561	Male

FY of Development:	Developed as part of:	Innovation Type:	TRL LEVEL:
2022-23	Academic Requirement/Study Project	Product,Process	6

MRL Level:
MRL 5: Capability to produce prototype components in a production relevant environment

IRL Level:
IRL 4: Prototype Low-Fidelity Minimum Viable Product (MVP): "Low-fidelity" - A representative of the component or system that has limited ability to provide anything but initial information about the end product.

Theme:
IoT based technologies (e.g. Security & Surveillance systems etc),

Define the problem and its relevance to today's market / sociaty / industry need:
As people age, their dexterity and mobility naturally decline. the risk fall and they get injured easily, if not monitored sometime it lead to death.

Describe the Solution / Proposed / Developed:
We had developed an fall detection alert system using camera surveillance system . If people fall detected the alert notification will be send to the care taker

Explain the uniqueness and distinctive features of the (product / process / service) solution:
The other system uses wearable devices they will work when the people wear the device. Due to loss of memory during old they might forgot. the current proposed system uses the live camera feed to detect the fall.

How your proposed / developed (product / process / service) solution is different from similiar kind of product by the competitors if any:
We had also developed a small bot which will be loaded with some emergency medical kit with the advice of doctor if fall is detected the bot will move near to person to get medicine handy. A alert Notification will be sent to caretaker and nearby Health care center.

Is there any IP or Patentable Component associated with the Solution?:
No

Has the Solution Received any Innovation Grant/Seefund Support?:
No

Are there any Recognitions (National/International) Obtained by the Solution?:
No

*Is the Solution Commercialized either through Technology Transfer or Enterprise Development/Startup?:
No

Had the Solution Received any Pre-Incubation/Incubation Support?:
No

Video URL:
https://drive.google.com/file/d/1BsgSWcu0Q_YmMzRSe9pt-lwXKix1zfX-/view?usp=drivesdk

Innovation Photograph:
View File