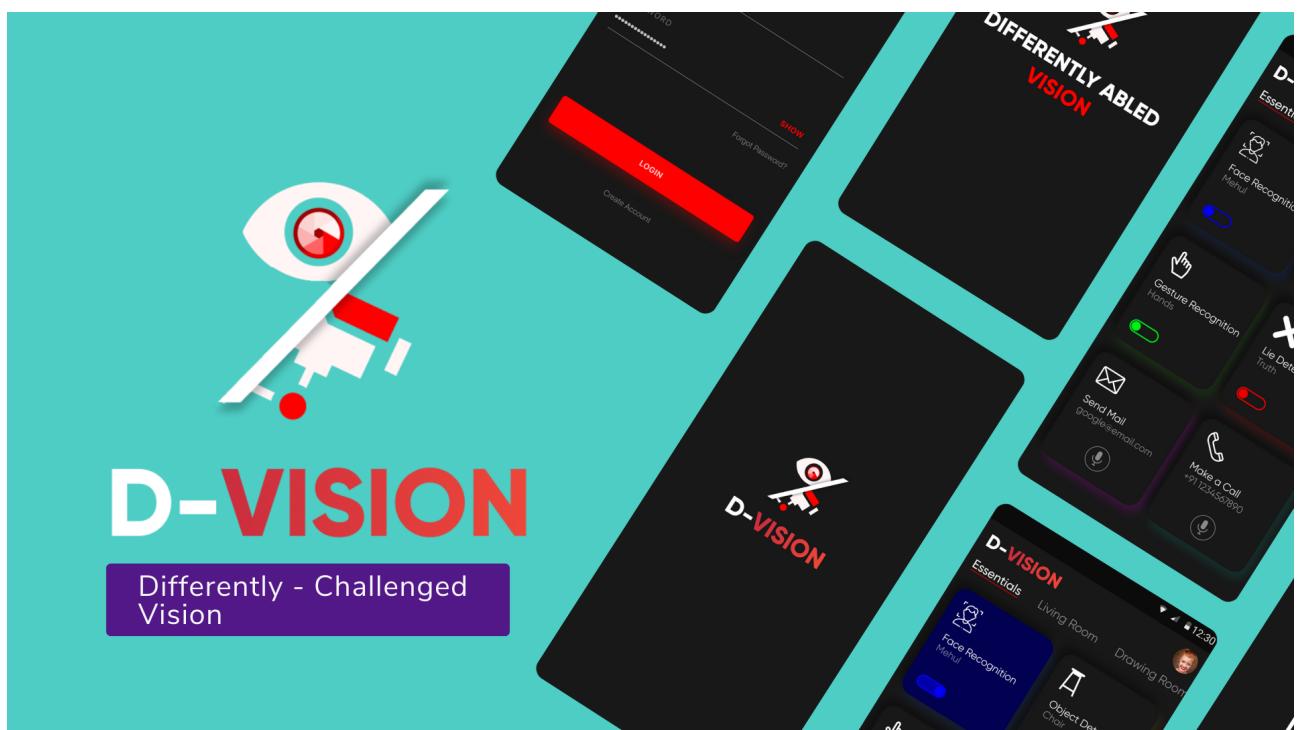


TEAM AMBIGUOUS PRESENTS

D - VISION

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PROBLEM STATEMENT



SMART HOME FOR DISABLED PEOPLE -

IN A WIDELY POPULATED COUNTRY LIKE INDIA, ALMOST 5 CRORE PEOPLE ARE SUFFERING FROM ONE OR THE OTHER KIND OF DISABILITY AND IN MOST OF THOSE HOUSES THE DISABLED PEOPLE HAVE TO STAY AT HOME WHEN THEIR FAMILY MEMBERS LEAVE FOR WORK.

THIS IS THE TIME THAT THEY FACE MOST OF THEIR PROBLEMS BECAUSE THEIR DISABILITY DOES NOT ALLOW THEM TO DO A LOT WORK LIKE FOR A PERSON ON A WHEELCHAIR, IT WOULD BE VERY HARD TO MOVE AROUND THE HOUSE AND DO ALL THE BASIC THINGS FOR THEMSELVES, OR IF IT WERE A BLIND PERSON THEN WITHOUT EXTERNAL ASSISTANCE THEY WILL NOT BE ABLE TO MOVE AROUND THEIR HOUSES. TO SOLVE THIS WE HAVE COME UP WITH OUR SOLUTION "**ASSISTME**".

FACTS AND FIGURES



At least 1.2 million disabled people in India are living in households consisting only of people with disability. While the total population the disabled increased by just over, 22 per cent over a decade, from almost 22 million in the Census 2001 to 26.8 million in 2011, the number of disabled people living on their own has nearly doubled, jumping by 84 percent in the same period.

With corporate jobs on their highest peak most of the family members are working and they are unable to take care of the elders in their families who may be having some or the other disability. And they can not even depend on a helper person because of the increased number of cases of robbery etc.

WHY IT NEEDS TO BE SOLVED?

ASSISTME IS DESIGNED WITH ONE PRIMARY OBJECTIVE: TO MAKE YOUR LIFE EASIER. EVERYONE CAN BENEFIT FROM ITS ABILITY TO ALLOW APPLIANCES TO COMMUNICATE WITH ONE ANOTHER, AS WELL AS ITS CAPABILITY FOR LETTING THE HOMEOWNER MANAGE EVERYTHING AROUND THE BUILDING REMOTELY OR VIA AN ELECTRONIC DEVICE. HOWEVER, PEOPLE WHO ARE LIVING WITH A DISABILITY ARE ABLE TO ESPECIALLY BENEFIT FROM A SMART HOME SYSTEM. WHETHER YOU OR YOUR FAMILY MEMBER HAS DIFFICULTIES WITH THEIR VISION, MOBILITY OR MEMORY, HAVING A HOME AUTOMATION SYSTEM WITHIN THE PROPERTY CAN MAKE LIFE CONSIDERABLY SIMPLER.

THE ABILITY FOR A DISABLED HOMEOWNER'S RELATIVES TO TAKE CONTROL OF CERTAIN ASPECTS OF THE BUILDING REMOTELY IS ALSO USEFUL WHEN IT COMES TO SECURITY. MANY PEOPLE WHO SUFFER FROM ONE OF THE AFOREMENTIONED MEMORY PROBLEMS MAY, FOR EXAMPLE, FORGET TO LOCK THEIR DOORS AT NIGHT. THIS LEAVES THEM VULNERABLE TO THEFT. HOWEVER, FAMILY MEMBERS WILL BE ABLE TO CHECK THE STATUS OF YOUR SMART HOME SECURITY FROM ANYWHERE IN THE WORLD WITH AN AUTOMATION SYSTEM INSTALLED. THEY CAN REMOTELY LOCK AND UNLOCK DOORS IN THE EVENT THAT A HOMEOWNER FORGETS.

OUR PROPOSED SOLUTION

OUR PRODUCT WILL MAINLY BE WORKING WITH CAMERAS INSTALLED IN THE HOUSE WHICH WILL **RECOGNISE THE GESTURES** DONE BY THE DISABLED PERSON TO PERFORM THE ACTIONS LIKE SWITCHING ON THE LIGHT OR OPENING THE REFRIGERATOR OR EVEN RAISING AN ALARM SO THAT HIS/HER FAMILY CAN BE NOTIFIED. OUR PRODUCT WILL ALSO USE CAMERAS TO PERFORM VARIOUS TYPES OF DETECTIONS LIKE OBJECT DETECTION TO HELP THE BLIND MOVE AROUND THE HOUSE AND ALSO FOOD DETECTION TO CHECK WHETHER THE FOOD AVAILABLE AT THE HOUSE IS EDIBLE OR NOT.

IT WILL ALSO HAVE THE ABILITY TO DETECT PEOPLE AT THE DOOR AND USE **FACE RECOGNITION** TO CHECK FOR KNOWN PEOPLE AND IF IT IS AN UNKNOWN PERSON THEN THE DISABLED PERSON'S FAMILY WILL BE **NOTIFIED** ABOUT THE UNKNOWN PERSON AT THE DOOR.

THIS PRODUCT COULD BE VERY HELPFUL IN HELPING THE DISABLED FOR SOCIAL DISTANCING AND OUR **APP** CAN ENABLE GUARDIANS TO HAVE AN EYE ON THE USER'S ACTIVITIES



FUNCTIONALITIES

GESTURE CONTROL
FACE RECOGNITION
VOICE CONTROL
FOOD DETECTION
OBJECT DETECTION

FOCUS AUDIENCE



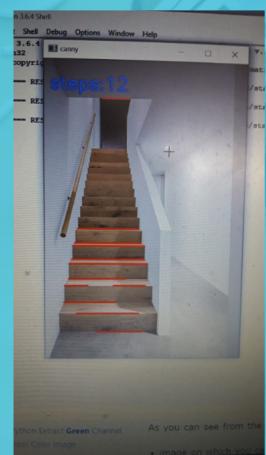
OLD PEOPLE

PHYSICALLY
DISABLED

VISUALLY
DISABLED

DISABLED
CHILDREN

Working Models



THANK
YOU



