**WORKSHEET – 2**

**IDEA EVALUATION WORKSHEET- Based on 5q by Prof.EdRubaesch**

Q1. WHAT’S THE PROBLEM ?

This is a real-life problem faced by many senior citizens around the world.

Around 95% deaths above the age of 65 years is due to falling down. Also bedridden people need an immediate solution for them to communicate easily and help them through their daily tasks without any difficulty.

This is a serious problem and needs immediate solution .

The occurrence of falls in Senior Citizens depends majorly on 4 factors namely

The only current solution presently is Fall detection. Presently in the world there are no products or devices that can prevent or predict falls.

Q2. WHO HAS THE PROBLEM-customer identification

* PROFILE

The elderly people in the society face this problem.

* POSITION-CRITICALITY OF NEED

The need is very much critical because **Falls** are the second leading cause of accidental or unintentional injury **deaths** worldwide. Each year an estimated 646 000 individuals die from **falls** globally of which over 80% are in low- and middle-income countries. Adults older than 65 years of age suffer the greatest **number** of fatal **falls**.

Also Gesture based Messaging System is a must need for Bedridden people.

Q3. WHAT’S YOUR SOLUTION

* WHATS YOUR UNIQUE PROPOSITION

Our team had come up with a Gesture based Messaging system along with remainder system for the bedridden Senior Citizens.

We have come up with a solution where data is collected from the sensors(walk-in speed,acceleration,change in angle etc.) and any abnormal change in the data brings up a protection that helps the Senior Citizens. In this way we can prevent fall.

* DO YOU OWN IT- IPR

Presently I nowhere find a device or product in the market that can help fall prevention in Senior Citizens.

Q4. WHO IS COMPETITION

Our competition is Apple Smart Watch which can help in Fall detection.But I feel Fall detection is not that much useful as the injury is already so I am working on Fall Prevention which can hopefully help the Senior Citizens lead a better and happy life.

And in gesture based messaging system there is no competition.

Q5. HOW IS IT MADE POSSIBLE-

I will be using the technology of IOT(Internet of Things),ML(Machine Learning) in our prototype. We would be using sensors such as pressure sensors, accelerometer and gyro sensors etc.

This product will be economical and socially feasible by the elderly people.

This idea can be done by a wearable device which will help in gesture based messaging system as well as Fall prevention.

IDEA EVALUATION- SUMUP

CUSTOMERS

Our customers would mostly be the elderly people over age 65 yrs. This makes around nearly 20% of the total population in the world.

Also our customers may be the children of elderly people or even care takers of the Senior Citizens.