

PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF RELIANT

EXISTING PRODUCTS:

Smart Pill Box is based on the medicine bag concept to store pills, to remind and ensure timely intake of medicines. The system alerts if faulty medications are consumed. The each compartment of the box to organize pills can be separately programmed by specifying pill quantity, intake time and refill if necessary. The entire system is managed by some mobile applications which gives connectivity between doctors, patients and pharmacies. This system is connected along IoT, to regularly monitor patients' health details and to integrate it with server for efficient record keeping and treating.

PROJECT IDEATION:

The existing system can be upgraded to serve tonic type of medicines too by designing its outlet and considering the weight factor of the compartments to measure volume. The system can also be expanded to consider the time of foods taken and to serve the medicines at the constant time gap from then.

The devices like smart watch, smart dress (to check body posture and movement) can be connected to the system and doctors with the help of IoT technology, which can help the seniors to get continuous assessment and precautionary treatment during the symptoms of emergency situation like cardiac arrest.

The application of the system can be made more functional and interactive in ways like ordering and billing of medicines, booking appointments with the doctor, connecting with caretakers, ambulance service etc.