

Milestone & Activity List	
DATE	28/10/2022
TEAM ID	PNT2022TMID11032
PROJECT NAME	IOT Based Advanced Medical Assistance

IBM Cloud Services: (Aug 22-Sep 02)

Among all the IOT product development stages cloud service is an important stage for building the best IOT product. The development team is responsible for building web and mobile based applications for control in the functionality of products in real time.

Voice Assisted Device: (Sep 05-Sep 10)

In the fastest growing population and of its increasing need for healthcare and assistance, ubiquitous usage of Internet of Things based smart applications can mitigate the consequential social burden. Due to lack of social care support for these adults, there arises the need to develop cost-effective assistive healthcare technological solutions for taking care of the elders and giving them the best technology friendly experience.

Node-Red: (Oct 1-Oct 11)

Node-Red is a programming tool for wiring together hardware devices, API and online services in new and interesting ways. It provides a browser-based editor that makes it easy to wire together flows using the wide range of nodes in the palette that can be deployed to its run time in a single click.

Python Script: (Sep 20-Sep 27)

The primary objective of running python on an IOT device that pops up in mind is grabbing the Arduino UNO from the table. Python is pre-installed in the operating system and the only objective left for us is to write the coding script.

GPS Tracking Device: (Sep 10-Sep 17)

Angel Sense GPS Tracker is an advanced GPS tracking device specially made for the elderly with dementia and Alzheimer's. There are new and innovative GPS trackers on the market that are designed to serve caregivers while keeping dementia patients safe. These lifesaving location devices are integrated with GPS tracking technology, allowing dementia patients to be found whenever they wander off outside defined areas.

Product Hardware Identification:

Product Hardware Identification is one of the most important parts of IOT product development stages. The development team with great and in-depth knowledge of diverse types of IOT boards, sensors and connector devices will get a huge success in IOT product development.

Application:

Evolution of IOT provides various solutions for the major challenges faced by health systems by providing a device guiding them to take medicine at the stipulated time by which they can switch from human memory to automated memory. With the use of modern technology, GPS-tracking devices helps caregivers and family members to track the location of dementia patients.

Final Deliverables: (Oct 25-Nov 15)

Our project **IOT Based Advanced Medical Assistance** proves its potential in assisting the patient to do daily activities on time, through navigation, by monitoring the health status, by which they can lead an independent life. On the given sprint delivery plan by using our followed task and assignments like IBM cloud services, Voice assisted device, Node-red, Python IDLE, GPS tracking device, the final deliverables are made.