LITERATURE SURVEY

Project Name	Personal Assistance for Seniors Who Are Self-Reliant
Maximum Marks	2

TITLE	AUTHOR	YEAR	DESCRIPTION
Health monitoring & management using IoT devices in a cloud based framework	Sharma, A., Choudhury, T. and Kumar	2018	. Health monitoring & management using IoT devices in a cloud based framework. In 2018 international conference on advances in computing and communication engineering (ICACCE) (pp. 219-224). IEEE. The study proposed Textile based Wearable System Technology, Unobtrusive Biosensors, Intelligent Medical Boxes, and a Cloud Computing Architectural Framework amongst other technologies and advancement that would pitch the HealthCare Industry to unparalleled heights in terms of efficiency and Patient Comfort. The paper proposes to revolutionize the industry by real time exchange of data to seamlessly and proactively offer prediction, diagnosis and remedies.
An Internet of Things (IoT) Based Intelligent Framework for Healthcare–A Survey	Balakrishnan, L	2021	In 2021 3rd International Conference on Signal Processing and Communication (ICPSC) (pp. 243-251). IEEE. The study focuses on a brief survey of overall use of IoTbased frameworks in medical services, starting with an early medical care monitoring design based on wearable sensors and progressing to a discussion of the most recent fog/edge computing technologies for smart healthcare framework. Advantages This research indicates that the guidance is flexible based on a couple of approaches. Ambient Assisted Living (AAL), Internet of m-health Things (m-IoT), Adverse Drug Reaction (ADR), Community Healthcare (CH), Children Health Information (CHI), Wearable Device Access (WDA), Semantic Medical Access (SMA), Indirect Emergency Healthcare (IEH), Embedded Gateway Configuration (EGC).
A comprehensive survey of the Internet of Things (IoT) and AI-based smart healthcare. I	Alshehri, F. and Muhammad, G.	2020	A comprehensive survey of IoT- and IoMTbased edge-intelligent smart health care, mainly focusing on journal articles published between 2014 and 2020. The survey has undergone literature by answering several research areas on IoT and IoMT, AI, edge and cloud computing, security, and medical signals fusion. The systematic review process PRISMA (Preferred Reporting Items for Systematic Reviews and

			Meta-Analyses) to identify studies and narrow down results for this review. In the review process, there are three sequential steps, which are identification, scanning, and eligibility testing. Challenges The major challenges of IoT and AI-based smart healthcare include sensors' interoperability, device communication, security and privacy, device management, information management barrier, and efficient use of AI.
IoT and I2C protocol based Mhealth medication assistive system for elderly people	**Kumar, M.P. and Nelakuditi, U.R**	2018	IoT based Medication Assistive System was proposed and developed to facilitate medication adherence. The proposed system incorporates features such as sending a message to a medical practitioner one week ahead to remind the status of medicines and also buzzer beep to ensure the attendance of a candidate which is not available in existing software remainders. It can perform the task even though internet is not available physically by using NodeMCU and Blyank app. The proposed system assists older people in reminding medication timings as well as selection of medicines. It also reduces the dependency of old people on younger generations. Design can be realized at a lower price due to the availability of intelligent programmable hardware at an affordable cost.