**Literature Survey**

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| **SI.NO** | **TITLE,AUTHOR NAME,**  **PUBLISHED YEAR** | **CONCEPT** | **DISADVANTAGES** | **FUTURE WORK** |
| 1. | An IOT Based Health Care System For Elderly People byS.Pinto,J.Cabral and T.Gomes in 2017. | Aiming to contribute for a better elderly living assisting,developed We-care,a wireless IoT- ready solution for elderly people that is able to monitor and collect patients important vital data,making it available to medical staff and/or the designed caretaker.We-watch wristband can collect data from available sensors,such as environmental and body temperatures,pressure,humidity,light,received signal strenth indicator values and push buttons.If the wristband is detached,the system triggers an alarm to the caretaker system,alerting the situation. | Privacy and security issues relating to medical data and as it flows from the connected things to the cloud. | Focus on addition of new sensors to the wristband in order to collect data from other vital parameters such as blood pressure and heart rate and focus on low end devices,develop a TrustZone - based solution.propose in for the latest generation of (low-end) ARM cortex-M processors. |
| 2. | Elderly Perception on the Internet of Things-Based Integrated Smart-Home System by Tae Hee Jo , Jae Hoon Ma and Seung Hyun Cha,2021. | An integrated smart home system (ISHS) is an powerful manner to enhance the quality of lifestyles of the aged.Both wearable and non-wearable IoT sensors such as Bio-medical sensors such as ECG,body temperature and galvanic skin response are also applied in smart home to provide remote healthcare monitoring to the elderly.power meters and environmental sensors have been used to assist in managing energy and indoor air quality in a smart homes, | elderly participants experienced both comfort and discomfort with the ISHS sensor-set. | Focus on non-wearable sleeping sensors that can continuously monitor the physiological levels of the elderly without causing discomfort from interruption to their sleep by wearable smart home sensors and lightweight replaceable batteries are essential variables that should be taken into consideration. |
| 3. | An IoT Solution for Independent Elderly by Elena Borelli , Giacomo Paolini , Francesco Antoniazzi , Marina Barbiroli , Francesca Benassi , Federico Chesani , Lorenzo Chiari , Massimiliano Fantini , Franco Fuschini , Andrea Galassi , Gian Andrea Giacobone , Silvia Imbesi,2019. | In this work, a flexible and extensive digital platform for Smart Homes is presented, exploiting the most advanced technologies of the Internet of Things, such as Radio Frequency Identification, wearable electronics, Wireless Sensor Networks, and Artificial Intelligence. Thus, the main novelty of the paper is the system-level description of the platform flexibility allowing the interoperability of different smart devices. This research was developed within the framework of the operative project HABITAT (Home Assistance Based on the Internet of Things for the Autonomy of Everybody), aiming at developing smart devices to support elderly people both in their own houses and in retirement homes, and embedding them in everyday life objects, thus reducing the expenses for healthcare due to the lower need for personal assistance, and providing a better life quality to the elderly use | High cost and security issues. | It will be interesting to integrate the inertial sensor, in a lumbar band or common belt, in order to improve its acceptability and usability |
| 4. | Internet of Things (IOT) Monitoring System for Elderly byB. David Chung Hua, Huzein Fahmi, Leong Yuhao, Chay Che Kiong,2018. | The proposed home health care and monitoring architecture or ICE (IOT Cares for Elderly) will be based on Intel Edison platform. There are sensors integrated in the system to measure human vital sign, sleeping and movement pattern. The output readings will be transmitted to a main ICE central system to detect any abnormalities, give health advises, and even call for help if elderly is in emergency. Moreover, output readings are also transmitted to cloud storage where it is able to provide real time information for close family member and care takers through the development of ICE web and telephone application. | Data Security and privacy ,Reduced mental and physical activity. | gadget has many capability and might permit aged to stay healthily and accurately not with standing being at home. |
| 5. | Analysis of Self-Sufficiency For Seniors by Anna Hudakova, Andrea ObroCnikova Ludmila Majernikova,  Dagmar Magurova,2019. | Performance falls in vintage age and the onset of persistent illnesses is growing a chain of malfunctions and therefore there's impaired selfsufficiency and dependence. Based on statistical comparisons, the use of Mann-Whitney Test. A clean dependence on the extent of self-sufficiency and best of lifestyles of senior. The best of lifestyles of seniors is an essential indicator in their care. | Lack of confidence, Health issues, Unbalanced diet. | Give motivation to senior and Make their Environment pleasant and good. |
| 6. | IOT Based Remote Health Monitoring System for Patients an Elderly People by Mohd.Hamim,Sumit Paul,Nafiur Rahman,Syed Iqramul Hoque,  Ifat-Al-Baqee,2019. | The aim of this work was to obtain a sustainable remote health monitoring system for patients.The person monitoring the patients can visualize the parameters in a graphical representation through an android application.Before executing the system design,each of the sensors was calibrated individually. | Limited accessibility,  Doubtful reliability,need additional software. | the sensors are merged to form a single system of sensors measuring health parameters.The final result were transferred to the cloud through Raspberry Pi and the users got their desired outputfrom the system. |
| 7. | A Survey on the Internet of Things Solutions for the Elderly and Disabled : Applications,  Prospects and Challenges by Resul Das,Ayse Tuna,Senay Demirel and Meral Kayapinar Yurdakul,2017. | Relying on the application of home automation solutions,assistive domotics focuses on enabling elderly people or disabled people to live at their home instead of a health care facility.While the former rely on sensors and microcontrollers in home appliances,devices and clothing,which gather data that is analysed to diagnose specific diseases and recognise risk patterns,the latter rely on e wireless technology to connect portable devices and keep data in home health database.By the services provided by assistive domotics,elderly people can maintain their safety and independence.They generally feel more comfortable. | Elderly people have often difficulty using electronic devices,security shortcomings such as bluetooth,Wi-Fi and IEEE 802.15.4 And standards and interoperability are other important issues in the deployment of emerging technologies such as IoT. | One emerging technology with the ability to deal with multiple issues in IoT domain in Software Defined Network(SDN).To address the issues in IoT domain,another promising solution is cloud computing. |
| 8. | Development Of An IOT-Based Health Promotion Sytem For Seniors by Chia-Hui Liu ,2020. | The application of the IoT and wearable technology could improve the quality of life for elderly, decrease strain on the health promotion system, and Users actively measure blood pressure, blood glucose, weight, electrocardiograms, and even various health signals such as Activity of Daily Living (ADL) at home .It commonly uses wireless networks to transmit information, and wireless sensors to collect information. The sensor equipped with the wireless transceiver forms a WSN, which can provide a more comfortable living environment for the user, allowing the user to move freely without wearing a sensor device that needs to be connected with a wired cable, providing a more convenient life. | Risk of failure ,integration,security and privacy. | IOT will continue to capture and change the landscape of healthcare services and connected to healthcare devices. |
| 9. | Healthcare Monitoring System for Elderly or Disable Persons using IoT By Santhosh S R,Shivasharanappa,Anusha P,Malligarjun Shastry P M,2020. | Designed Patient Health Monitoring system.Thingspeak it is an open-source Internet of Things(IoT) Application and retrieve data from things using HTTP protocol over the internet or via a Local Area Network.ESP8266 wifi module is used for connecting Arduino to the internet.This design could read pulse rate and measure it continuously monitors pulse rate and updates them to an thingspeak. | Lack of security and privacy and too expensive. | Add more health sensor devices,where each sensor can be used to provide health values.All it need is more electronic sensor and modification. |
| 10. | Agening in place and the IOT-How SMART home technologies, the built environment and caregiving intersect by phillipa carnemolla,2018. | The purpose of this paper is to examine the nature of Internet of Things (IoT) systems as a part of the broader system supporting ageing in place, and to consider the roles of the built environment and community caregiving. It does this firstly by establishing the extent of actors in the Ageing in Place Network and incorporating those into a new HAST model of Ageing in place with technology. The HAST model is founded in established environmental gerontology models of ageing in place. In doing so the article contributes to theoretical developments in IoT and ageing fields. | An older person’s lack of confidence with technology inability to maintain the technology an older person taking a dislike to the technology due to frustration or fear. | to facilitate self-care and autonomy by removing the need for third party intervention in order to complete daily tasks to support older people’s safety in the home by automating tasks and reducing risk |