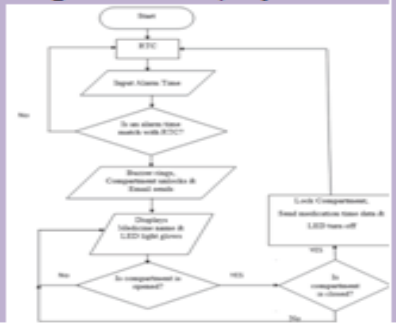
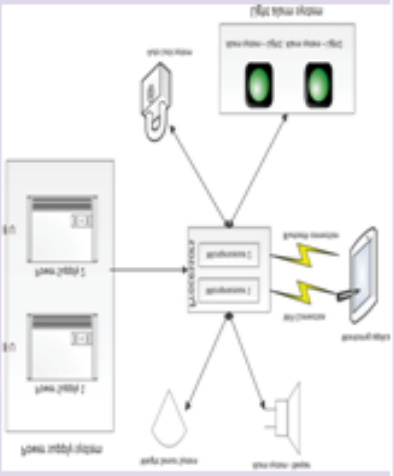
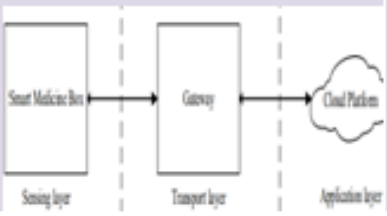
LITERATURE SURVEY

TEAM ID: PNT2022TMID21568

TITLE: PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF RELIANT

S.NO	TITLE & YEAR OF PUBLICATION	AUTHOR	UNIVERSITY NAME	METHODOLOGY	REFERENCE LINK
1.	Internet of Things (IoT) Based Smart Health Care Medical Box for Elderly People. Year: International Conference for Emerging Technology, 2020.	Obaidulla-Al-Mahmud1 , Md. Kausar Khan2 , Rajdeep Roy3 , and Fakir Mashuque Alamgir	East West University, Dhaka, Bangladesh .	A smart IoT based healthcare system has been proposed here, which contains an intelligence medicine box associated with sensors and server for regular health monitoring. This smart medicine box with wireless internet connectivity helps the patients to get regular health care and create easy communication between doctor and patient without meeting physically. The proposed medicine box helps the patient to take the right medicine at the right time along with an email which will help the patient to take the medicine. The objective of his project is focusing on proper medication of a patient. Older people who need regular monitoring of their medication will be benefited through this project. Server for storing medication time and other information, mail transferring protocol, temperature sensor for proper monitoring of patient body temperature has been integrated in this project. 	https://www.researchgate.net/profile/Mr-Fakir-Mashuque-Alamgir/publication/343405977_Internet_of_Things_IoT_Based_Smart_Health_Care_Medical_Box_for_Elderly_People/links/62b9952460e77b7db83750db/Internet-of-Things-IoT-Based-Smart-Health-Care-Medical-Box-for-Elderly-People.pdf

2.	Smart Medicine Box System. Year: IEEE International Multidisciplinary Conference on Engineering Technology, 2018.	Hiba Zeidan, Khalil Karam, Roy Abi Zeid Daou, Ali Hayek, Josef Bolercsoek.	Lebanese German University and Kassel University, Germany.	This paper presented about the two main functionalities that characterize this system: safety which assures the wellbeing of the patient and the good functioning of the system by duplicating the electrical components and the security that helps keeping the medication out of the reach of the children by automatically looking the medical box whenever the patient takes his pills. Alarms are being generated with medication box and via a mobile application that can be installed on the patient relative's phones in order to help monitoring him. Although this system was well operating, several adjustments can be made in order to increase its use and ameliorate its behaviour. A major drawback of this system is that it can contain only one type of medication. 	https://www.researchgate.net/profile/Roy-Daou/publication/328831450_Design_of_a_Safe_and_Smart_Medicine_Box/links/5c542faca6fdccd6b5d93ad2/Design-of-a-Safe-and-Smart-Medicine-Box.pdf

3.	Enhancing Healthcare using m-Care Box. Year: International Conference for Innovative Mechanisms for Industry Applications, 2017.	Aakash Bharadwaj, Divyank Yarravarapu, Sadiparala Charan Kumar Reddy, Thirumalaraju Prudhvi, KSP Sandeep, Obulam Siva Dheeraj Reddy.	School of Mechanical Engineering SASTRA University Thanjavur, India.	In this paper they have used alarm-based device that helps in reminding patients about their medication. The use of Internet of Things (IoT) concepts and health sensing technologies make diagnosis easier and convenient for the doctors as well as the patients. This paper presents an overview of an assistive device for monitoring non-compliance of medication by providing a single platform and a closed loop connection between patients, doctors, and pharmacies. 	https://sci-hub.mksa.top/10.1109/ICIMIA.2017.7975594
4.	Design of Docker-Based Cloud Platform for Smart Medicine Box. Year: International Conference on intelligent Green Building and Smart Grid, 2019.	Benbin Chen, Kun Zhou.	School of Electrical Engineering and Automation, Xiamen University of Technology Xiamen, China.	This Experimental tests show that the platform can effectively monitory smart medicine boxes and have certain development capabilities. with the framework of microservices, the entire management business is split into multiple applications and the images of the applications are built by Docker file. 	https://sci-hub.mksa.top/10.1109/INCET49848.2020.9153994