ANNAI VEILANKANNI'S COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

TOPIC : IoT Based Safety Gadget for Child Safety Monitoring & Notification

BATCH NO : B1 – 1M3E

NAME : HARIPRIYA . S , ASHA MARY . A

LITERATURE SURVEY

S.NO	AUTHOR NAME	TITLE OF PROJECT	METHODOLOGY	REMARKS (FUTURE SCOPE)
NiHu1.	Zhingang Gao(2017)	Child Guard:A Child-Safety Monitoring System	The guardian application (which appears on the guardian's mobile device),a child application (which appears on the child's mobile devices),and a web server	The system collect a child's geographical coordinates in the real time and send them to a guardian application then displays the child's real time movements on the map
2.	Akash moodibidri(2017)	Child safety wearable devices	Alarm buzzer ,SOS ,GPS location sensor ,UV sensor,Temperature sensor.	Easy Availability & Affordability Tracking Made Easy
3.	Haobijam Basanta(2017)	Health Care System	Trigger alert,Health care database,Mobile	Acts as an interface between the doctors and patients
4.	T.Elakkiya(2017)	Wearable safety wristband device for	Wi-Fi,Bluetooth,Buzzer,NFC card,GPS,LED,EEPROM,Audible beep signal.	This technique is about having multiple method in single device to

		elderly health monitoring with fall detect and heart attack alarm		monitor location, heart rate or attack,alarm,device missing alert, take medicine at correct time with suitable tablets,traffic signal reading.
5.	FezzaHaider(2017)	Wearable – free Wireless fall Detected System	An accelerometer and /or gyroscope,wireless communication (e.g. cellular,Wi-Fi,Bluetooth,wall-mounted UWBRF radar	Fall detection with use of RF radars.Detects stationary objects,long with tracking motion,as well as successfully detects falls for single person
6	Anand Jatti(2016)	Design and development of an IOT based wearable device for the child.[8]	Temperature sensor, Skin Resistance sensor, Triple axis Accelerometer,ESP 8266 wifi module.	The safety and protection of women and girls. The physiological signals that are analyzed are galvanic skin resistance and body temperature.
7	Y. Chen (2013)	Wirelesswrist-wearable wake/sleep identification device for closed-loopdeep brain stimulation[9]	wake/sleep identification device, closed-loop DBS system	T provides great potential to apply the device to implement the closed-loop deep brain stimulator.. Medical services, such as night care in sickrooms, and fall alarm for elderly people.
8	Andrea Bondavilli(2012)	Real time wearable devices safety critical track warning system	Multi interface management, Communication interface	Trackside workers can benefit of intelligent systems for automatic track warning
9	Binu P K,	Methodology:	Findings and Application: It	Remark (Future

	16 Sept. 2017	This system uses hadoop and C4.5 algorithm for predicting the disorders using the collected	monitors the baby and gives an update of his health and mind status of the children.	scope and conclusion): Including more health based sensors in the system will help in the health monitoring and guided with medicinal care in case of any abnormality
10	Sagar S Bachhav,2018,	Methodology: This system uses Internet of Things, Amazon Web Service, Smart Baby Cradle and provides parents a smart system help these parents monitor and comfort the baby.	Findings and Application: Cradle system is a device which is used instead of caretaker which soother's child by playing music and by speaking with him.	Remark (Future scope and conclusion): The present work reduces the human effort and particularly mother's stresses in working times. The overall mechanism is mobile which allows easy movement from room to Room