Ideation phase
Literature survey

Project-Industry-specific intelligent fire management system
Team id: PNT2022TM1045391

S.no	LITERATURE PAPER TITLE	AUTHOR	OBJECTIVE
1.	An IoT based fire alarming and authentication system for workhouse using Raspberry Pi 3" , International Conference on Electrical, Computer and Communication Engineering (ECCE), IEEE, 2017	Ahmed Imteaj	Studied the problems faced by factory workers in times when fire breaks out. They proposed a system using Raspberry Pi 3 which is capable of detecting fire and providing information about area of fire. The Raspberry Pi controls multiple Arduino boards which are connected with several motors and cameras to capture the fire incident.In this, they discussed about the modern technology that can be used to reduce extremely unfortunate accidents caused by fire. We designed the whole system and calculated its effectiveness.
2.	Using of mobile device localization for several types of applications in intelligent crisis management",5th IEEE GCC Conference & Exhibition, IEEE, 2009	Ondrej Krejcar	An proposed a model for location enhancement and personnel tracking using Wi-Fi networks. In this, he has represented the control system concept that is used in handling information of location and control unit operations. The location of the user present in the building, is obtained through Wi-Fi access points
3.	Design and implementation of the mobile fire alarm system using wireless sensor networks", 17th International	Karwan Muheden	They have designed new model using WSN. Not only have they incorporated temperature and humidity sensors but also included fire andsmoke sensors while developing the model. They present a preceding study of WSN is able to detect fire alarm. It is for setting up a wireless sensor network with three sensors. An application

	Symposium on Computational Intelligence and Informatics (CINTI), IEEE, 2016		was developed for getting home information.
4.	"Intelligent home management system prototype design and development", International Conference on Information Technology Systems and Innovation (ICITSI), IEEE, 2015	Azka Ihsan Nurrahman	They have proposed a prototype for a centralized management system for homes or offices which helps better in managing the safety features. In this, home management system is required. This system controls the room lights by turning on and off automatically, it keeps the record of use of electronic device status, turning on and off the ac regulator automatically, it displays the room temperature in home. If fire is detected in the house, it turn on sprinkler at home, it supervises at home via surveillance cameras, take photos and store them including recordings of surveillance at home, it detects the movements of people at home, and provide notification when someone enters the house
5.	Developing a Fire Monitoring and Control System Based on IoT", Advances in Intelligent Systems Research	Jianjun Yi2	The quick improvement of China's financial development, serious expanding of urban populace and enduring extension of city building thickness, underground designing, tall structures and substantial open developments turn out to be to an ever increasing extent, impartially it advances more extreme test to urban fire insurance. To adjust to the present day city and general society security of society improvement, the continuous remote-checking arrangement of urban fire security in view of IoT is proposed.
6.	IoT Based Fire Alarm and Monitoring System," International Journal of Innovations ,September 2017	Saumya Tiwari	A fire is a synthetic response of carbon based material that blends with oxygen and is warmed to a point where combustible vapors are delivered. These vapours at that point interact with something that is sufficiently hot to cause vapour start and results in a fire and its event is irregular. Industry, home workplaces, doctor's facilities and so on. are particularly powerless against flame that can possibly make hurt its tenants and extreme harm to property In this

			fire caution and observing framework are incorporated with IoT stage.
7.	An Intelligent Fire Detection and Mitigation System Safe from Fire, January 2016	Md Iftekharul Mobin	In the traditional fire safety method they did not find the root cause for the problem. The root cause for the fire accidents that occur in the fire crackers industry are mainly due to the friction and unbalanced chemical mixture. Thus in the proposed system by analyzing the levels and ratio of the chemicals and the cause of friction the developed sensor give the alert and prevent the major accidents. The developed wearable sensor monitors the working time and over exposure of chemicals and gives the alert to the workers in the industr
8.	Fire Accident Detection and Prevention monitoring System using Wireless Sensor Network enabled Android Application,"May 2016.	M. Samarasimha Reddy	Fire perils are lethally risky and slandering in regards to business what's more, home security, moreover decimating in regards to human life. The conspicuous method to limit the sort of misfortune is to react to these crisis circumstances as fast as could be expected under the circumstances. The created framework is alarming the far away property proprietor precisely additionally quickly through sending Short Message (SMS) by methods for GSM system and transmitter esteems to the Central server utilizing GPRS