

*flazardous area monitoring for industrial plant powered by iot*



*LITERATffRE SERVEY:*



*In today's world, the use of wireless technology is becoming beneficial for the leisure*



*and safety of people. Many wireless technologies like IOT, AR, AI, etc are in good*

*the mark, we desired*



*demand for adaption of a new lifestyle. Keeping these inventions in*



*to create a sensor network for prevention and detection of hazards and using the same*



*wireless sensors and then elimination of the cause which led to the hazard. The*



*sensorsencapsulated in the prototype are for fire, gas,*



*temperature, humidity. Now the most*

*crucial.*

*fire*



*Temperature*



*humidity*

*parameter*

*The*

*for*

*hazard is*

*.*

*, gas, and*

*are the*



*parameters that can be monitored at a prior notice for the preventing the occurrence of a*

*. If*

*huge*

*fire*



*extinguishing*

*are under control,*

*and vice versa.*

*the elimination* element.



*these parameters*

*For*



*The prototype also contains a voice module*



*notes and then plays*

*there is*



*the presence of any harmful gas like carbon mono-oxide in*

*them*

*the*

*an audio*



*and extinguishing*

*for*



*alert of the parameter detected.*

*, we have used water as the*

*.*



*it might prevent fire*

*fire*



*This is a device which records audio*

*, if*



*For example*

*, the*



*the surrounding*



*gas is detected by the sensor and the voice module plays the audio output "gas detected". It*

*is necessary to record the appropriate voice audio note*

*for*

*,*

*Thus*



*this prototype can be very beneficial for workers in industries, power plants*

*.*

*, etc*

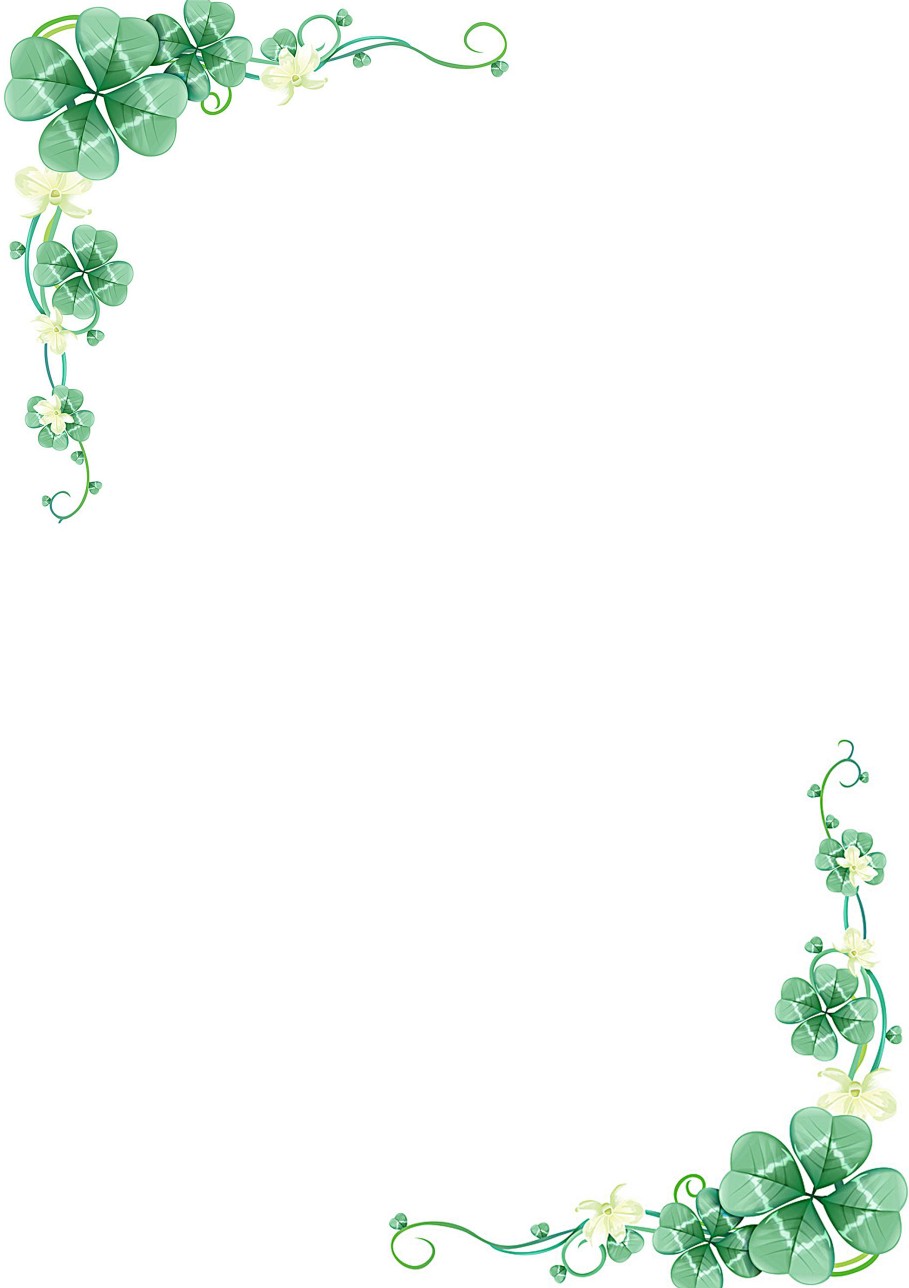


*each parameter*



*respectively*

*for*





*the prevention of a hazard that might destroy machinery as well as can risk the life of the*

*workers.*





*Iot is a platform*



*which has varied applications in day \_to\_*



*day life ranging from domestic to industrial. The system we are going to implement aims*

*a low cost.*



*to provide*



*Low maintenance*



*and robust architecture for analysis hazardous*

*.*



*situation in heavy industries*



*Various papers published in*



*the field of IOT have touched*



*different aspects of this Project*



*REMOTE*



*TEMPERATffRE MONITORING ffSING LM35*



*INTIMATE*



*Android user via C2DM service present a WSN prototype for remote*

*room temperature monitoring ,which can be used operations, via ana*

*for*

*fire*

*safety*



*proposed*



*provides*



*Android*

*interface*

*for*

*.*



*Android*

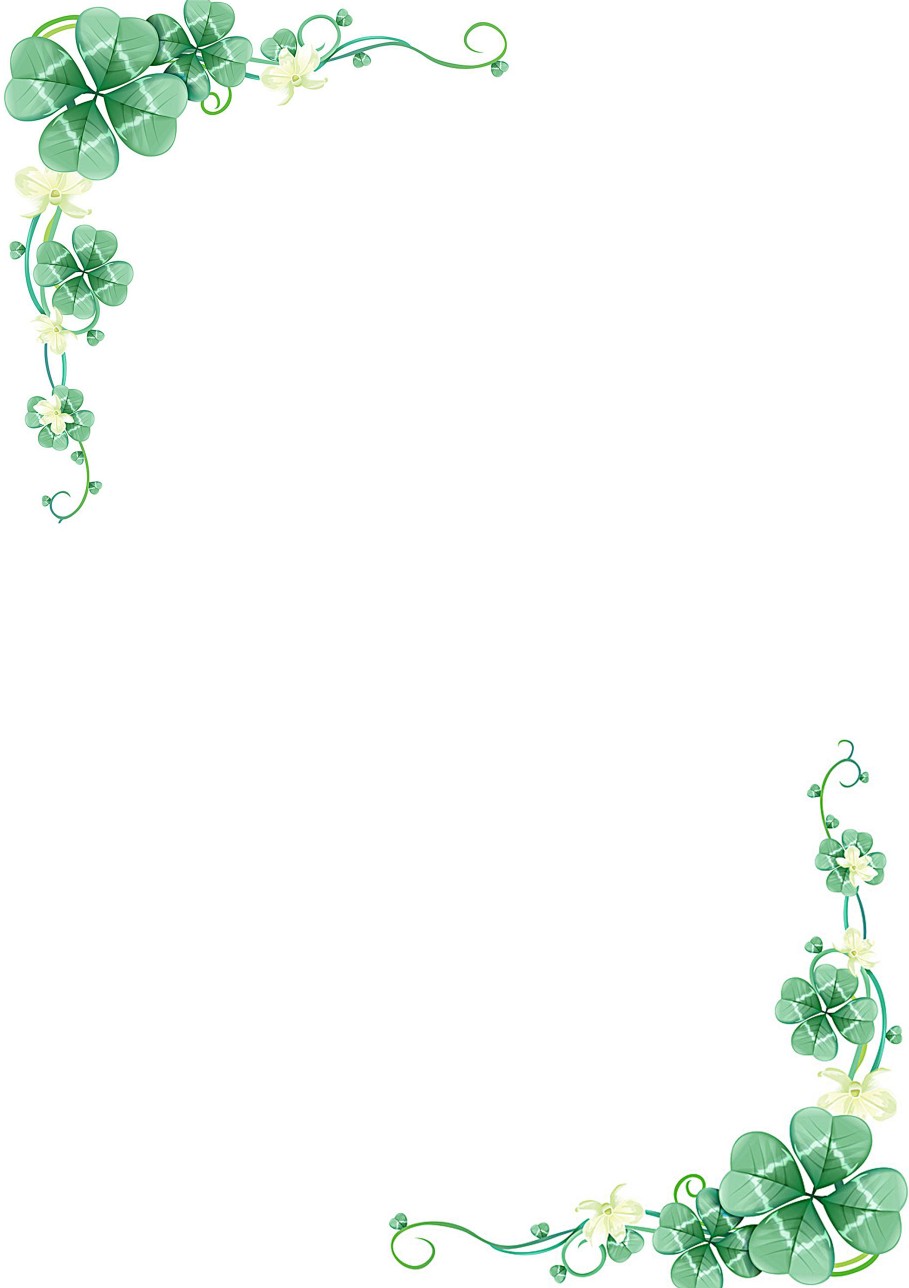
*platform*

*The*

*system*

*an*

*user*





*registered user to access the current temperature and a flash*



*/ been message in case of*



*fire .this paper influenced our work in selecting the platform for alternating tha usse and*



*connecting it with central controlled*



*ONLINEANALYSISANDFAffLTFINDINGSYSTEM*



*FORDISTRIBffTIONTRANSFORMERSffSINGIOT*

*Is about to monitor*



*design and implementation of embedded system*



*and record key parameters of a distribution*



*transformer like load currents ,oil level, oil*

*.*



*quality and ambient temperature*



*This paper provided insights about applications of IOT*

*, .*

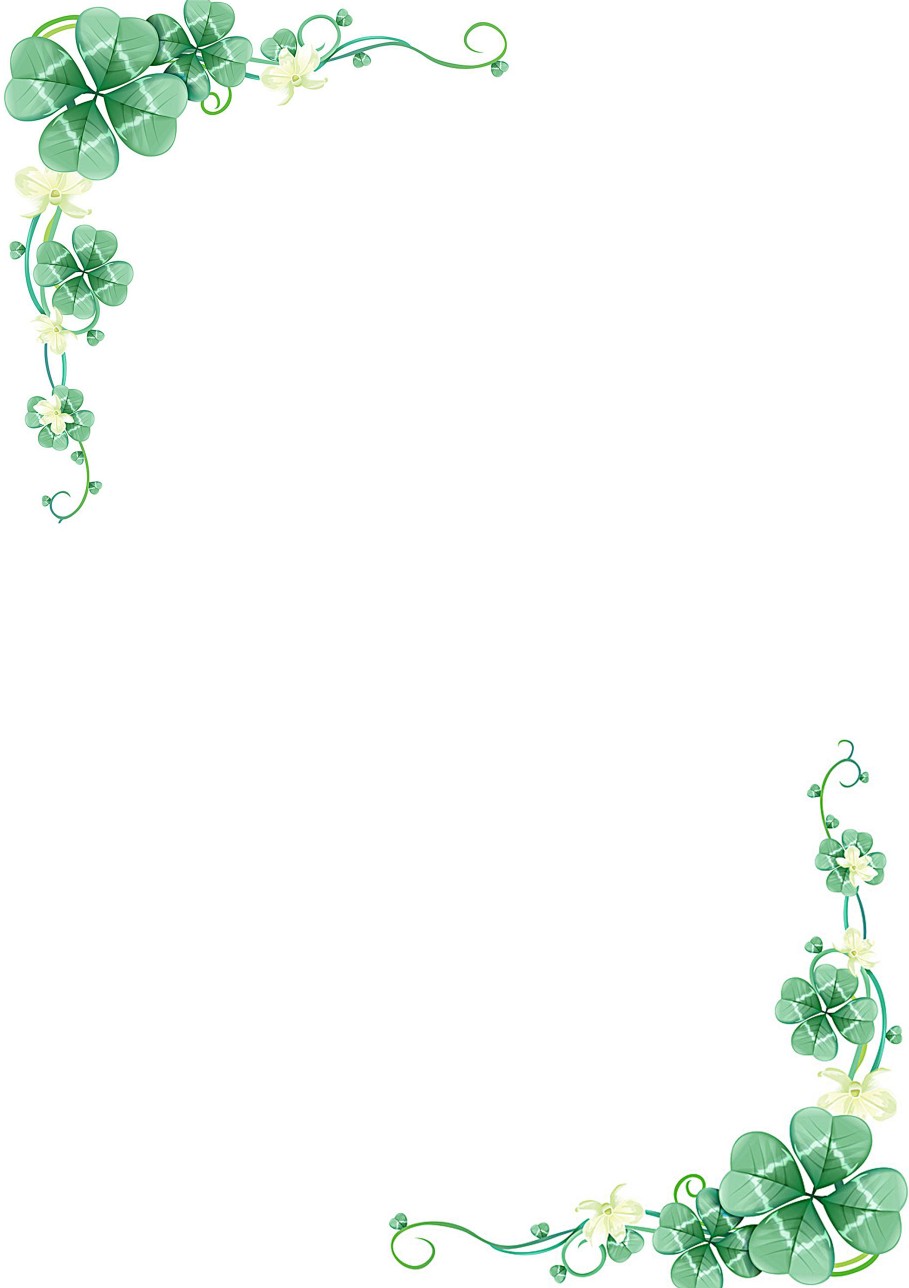


*based systems in industrial environmentsm*



*and how multiple sensor are unified together*





*REALTIMEMONITORINGOFCO2EMISSIONSIN*



*VECflICLESCOGNITIVEIOT*



*Aims to reduce to the green house effect bye real time monitoring and controlling*

*of CO2*



*emissions caused due to vechicles and industries using cognitive IOT. This*



*paper gives insights about the domain of cognitive IOT,which can be implemented as an*



*Extension of our project*



*REVIEWONTEMPERATffREANDflffMIDITYSENSING*



*ffSINGIOT*



*flighlightssomeoftheadvantagesofworkingwithaRaspberry*

*iP,whichhelpedustoimplementanetwork,runningscriptsandgraphical tzvasulionofdata.*

