JAHANGIRNAGAR UNIVERSITY

Institute of Information Technology



ASSIGNMENT 1 PMIT 6223 IOT & FOG COMPUTING

Fall 2023 Semester

Date of Submission: October 20, 2023

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Professional Masters in Information Technology (PMIT) Program
Summer Semester 2023 Intake
2nd Trimester Regular Batch - Section A
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Introduction

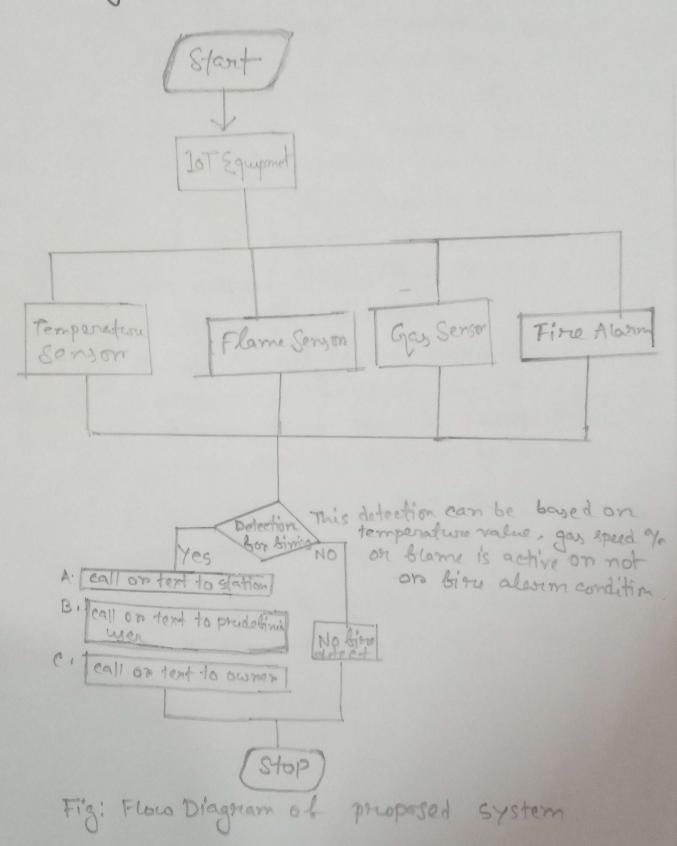
Brown living in an era of the 4th industrial revolution, where smart technologies are taking us to a would that has massive oppositunities of the first was to a would that has massive opportunities bors everybody. With this, theres also come new chattenges. As a result we have to overcome these to take the advantages 20 grab our bair share of these oppositurity. Let's talk about challenges. Here, Dhalka, the capital of our country is the Alle density populated country of the world.

And while talk about the population in Dhaka, one question is came to mind, are we all are living sabe in Dhaka? Think about own garments on industrial sectors where the lower and mid-lower people are work daily. Are those places are sabe while any types of disaster happens? Among them Let's talk about bining. It can be cause unexpectly, anywhere, anytime. According to the report of "TBS News" from 2016-2021 a total 86 3.093 people were killed & 13,800+ were injured due to fire. The report also said the number, of fires increased on average of 227. In last year a report by fire service said a total of 117060 fires have been reported in last six years whom 6,087 were in industries. Most of the time while it any area/instituted got bired, the local people complain about that they can't get to treach bine service, whore brom the bine rejervice also complained about the oppossite. This always cause a controversy which six

Solution

Manual bire-sabty or protection material are always important But it the marrive line occurs then we obviously need the arrist of bire-service. Now, it we make any Tot device which will warn people as like the bire-always de also send immidiate emurgency telephone calls on messages to the nearest line station as well, then the controvery of calling fire services can be removed.

Proposed Diagram



Equipment

Senson: Temperature, Flame, Gaz.
Others: Fire Alarm, Mobile devices.
Iot equipment: Network device or microcontrollery.

Functionality on Proposed Worling System.

Main purpose of this system is monitor le troch the current steatus of the bire alarm, temperature sensor le gas sensor etc. It the bire occurs then it will notify the owner, the pre-defined users le the nearest fire station via mergage our calls. The message type can be pre-recording to our tent message, It coverently dialed number, roice our tent message, It coverently dialed number, is busy on did not get response, it will immidiately they is busy on did not get response, it will immidiately they to the other pre-debined stations. Then can call the text

There might be a tremofe control system, lets say it the owner is present at the spot, then there is no need to notify the owner that bining is happened. So, then to notify the owner that bining is happened. So, then the control system can be operate by the owner.

In power bailure or certain case there might be a backup power proces storage process can be used.

The whole system can be compatible for mobile devices like the remote-contret, on used through high earl computer device.