

COVID-19 **IDEATHON CHALLENGE**

(An initiative by AKTU)

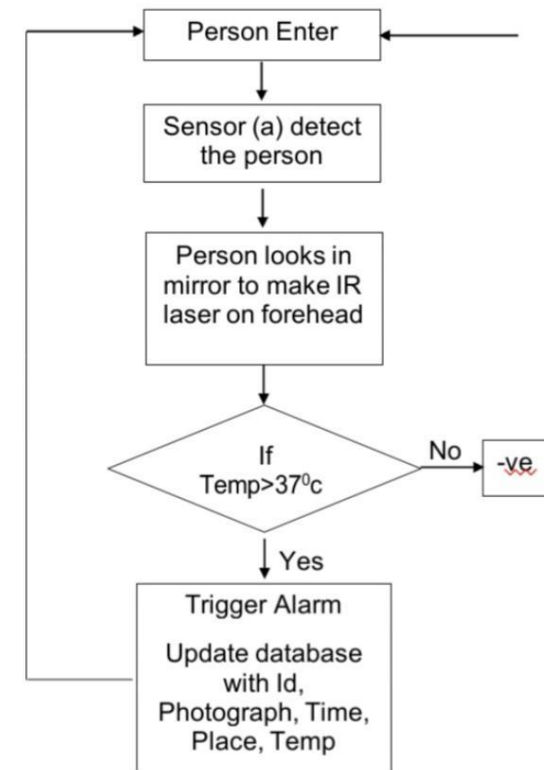
“Developing suitable public policies to prevent the spread of coronavirus- COVID 19 in homes and communities.”

PROJECT – SUSPECT DETECTOR

- 1. NAME : SHIVANK GUPTA**
- 2. BTECH YEAR : 3rd Year**
- 3. BRANCH : CSE**
- 4. ROLL NO. : 1701010133**
- 5. COLLEGE : UNITED COLLEGE OF ENGINEERING AND RESEARCH (010)**

COVID-19 & NEED OF SUSPECT DETECTOR

1. Corona virus is spreading all over the world at a supersonic speed.
2. Lockdown and prevention measures are not enough to deal with this pandemic. We must focus on increasing tests.
3. But yes test in a country of billions is not possible in such a short span of time. So, the need of the hour is to test each and every suspected case.
4. Currently we are doing thermal screening at various places but it uses IR thermal sensors which forces to have close contact with patients and infact can't preserve the data.



Flowchart of Model

INNOVATION OF SUSPECT DETECTOR

- Idea behind my model is to detect the person by a sensor installed in security gates.
- Camera will capture the photograph and will sent it to the database with the identity he/she have with him/her.
- This contactless thermal sensor will measure the temp. And check whether the person is in safe zone or not and will notify through buzzer in the administrative office so to avoid panic among others.
- Data of that individual will get secured in the system for further use.
- It will reduce human effort, error at a very affordable price of less than 5k.

BLOCK DIAGRAM

IMPACT & SCOPE IN FUTURE

- In long run this is going to gain a massive success as once the lockdown gets over this needs implementation to reduce the chances of return of COVID-19.
- As implementing it in each and every possible places (educational institutions, airports, stations, clubs, malls, restaurants, cinema halls, examination centres, worship and tourist places) will definitely turn the tables in future.

