THEME: IoT-Trending Technologies

PROBLEM STATEMENT: DEVICE TO EASE THE FINDING OF PEOPLE TRAPPED IN BUILDING COLLAPSE (DISASTER MANAGEMENT)

During Disasters like Earthquake, Landfall, etc… The Buildings start to crack and sometimes it collapse suddenly. This leads to death and injury of people inside and very close to them. But, some get trapped in between the blocks and slowly losing their lives. It is a very difficult process to rescue them. Our project will make this kind of rescue faster and easier. By using Thermal detection, sound detection combined with risky narrow path travelling system. We will find the trapped people more efficiently. The device look similar to a remote car sized bot. It is connected with lights, camera, thermal and sound sensors connected to a display through a long wire for us to monitor and operate it from a distance. By sending it into the narrow complex blocks, which is very difficult and take lot of time for us to enter. We will find the trapped person by body heat, voice and also through camera vision. By this we can make this building collapse rescue faster and efficient and by this we can save more number people.