

Annotation of Conceptual Design of robot “Mr. Bug”

There are a lot global and local problems which need to be solved. In our current project, we want to focus on two big issues namely crime and healthcare. We have to consider road traffic offense as a crime. So how can we solve those problems? Our concept robot Mr. Bug is answer. Even the term “bug” in programming means something causing problem, our robot Mr. Bug is intended to solve problems.

Mr. Bug has 2 cameras on different sides. They will work as usual surveillance camera which are used at homes for safety. They usually have functionality to sen

d a message when motion is detected. Our camera will do almost the same. It will find movement and artificial intelligence will compare it with different violations. Moreover, it calls police, ambulance or fire station if something is wrong. It will need WiFi connection. Corp is made of solar panel, propeller and legs are made of carbon. In conclusion, our group managed to find a solution to two issues in the traffic roads by introducing concept of android “Mr. Bug”. Even though there are some potential problems that our concept might face while using, it has many advantages on its architecture. In the future we believe that Mr. Bug can be used widely in big cities.

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| Issue to be addressed | Healthcare and Crime (in traffic) |
| Robot name | Mr. Bug |
| Main functions | <ol style="list-style-type: none">1. Trace (observe surrounding)2. Record (record and take pictures)3. Report (send emergency messages and make emergency calls) |
| Advantages | <ol style="list-style-type: none">1. Prevents traffic accidents (reports traffic offenses to police stations)2. Makes immediate emergency calls (calls the nearest hospital with exact location)3. Flexible size4. Eco-friendly (uses solar energy)5. Full vision camera (180x2) |
| Disadvantages | <ol style="list-style-type: none">1. Potential problems with robot-human interaction2. Impact of natural phenomena |