

An Innovative Method for Evaluating a MEAFFR

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Abstract: *There are many possibilities of fire that can start in an industry or any remote area. Detecting and extinguishing fires is a dangerous occupation. Fire accidents lead to the loss of property, risk the lives of many people and cause big destruction over a large area. The Automatic guided vehicle can be repaired, but people cannot be when serious injuries occur and that is the exact reason why robots are increasing in various sectors. The Automatic guided vehicle capable of fighting a simulated fire was designed and built. Flame and smoke sensors are also added in the prototype that can sense the smoke leak and trigger the alarm. It can put out a fire before it gets out of control. It will also reduce human involvement as the micro controller functions as the brain of the prototype by receiving the signals from the sensors and gives the command to the prototype to act accordingly to extinguish the fire and reach the appropriate position to maximize the extinguishing function. The following prototype is useful and somehow it can help in reducing the causality in case of emergency.*

Keywords: Automatic guided Vehicle, prototype, Extinguishing Fire, Remote area

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