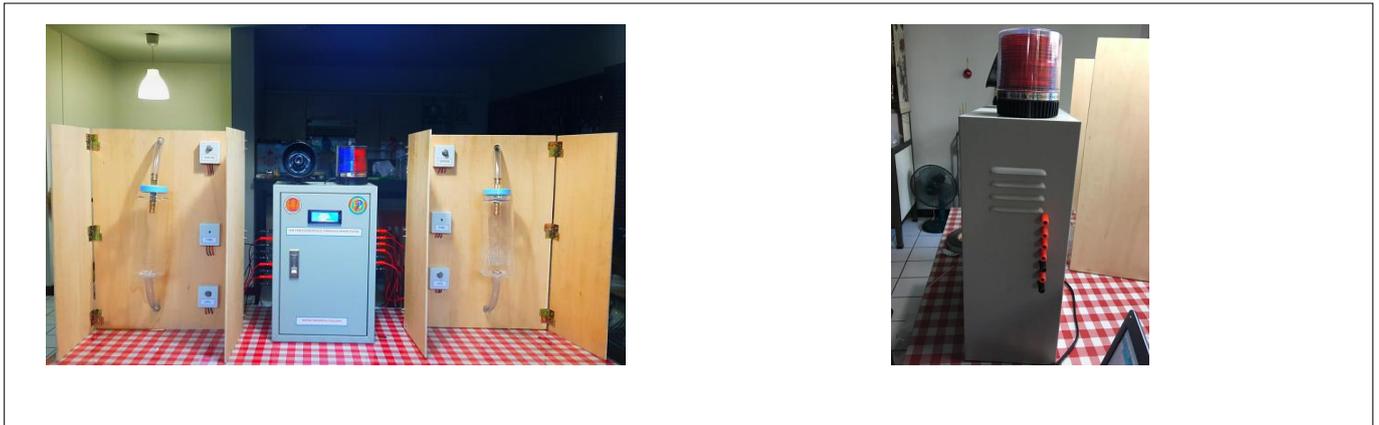




THE FIRE ALARM DEVICE THROUGH A SMART PHONE



Name of College    Hatyai Technical College

Type of                English Presentation Innovation and Invention Based on Research Methodology Contest

<p>Abstract :</p>	<p>The objectives of this study on the fire alarm device through a smart phone were as follow 1) To study about fire detection and appropriate distances for detection. 2) To investigate the density of gas and gas detection. 3) To study about the density of smoke and smoke detection. 4) To investigate appropriate times for sending signals to GSM Module. 5) To study about the satisfaction of users. There were 5 experiments for this Project. The result of experiment 1. It was found that appropriate distances are between 10 cm. and 60 cm. The result of experiment 2, It was examined that the highest density of gas is 509 ppm. and the lowest is 100 ppm. The result of experiment 3, It was examined that the highest density of smoke is 353 ppm. and the lowest is 100 ppm. 4, It was examined that duration of times for calling GSM Module are between 5 to 10 second. The result of experiment 5, It was found that most of the levels of satisfaction are high and the highest.</p>
<p>Features and Benefits :</p>	<p>The fire alarm device through a smart phone can detect fire, smoke and gas. It can detect fire between 10-60 cm. distances and It can detect densities of gas between 100-509 ppm. The device can detect densities of smoke between 100-353 ppm. The duration of times for calling GSM Module are between 5 -10 second.</p> <ol style="list-style-type: none"> <li>1. The fire alarm device through a smart phone can detect fire, gas and smoke.</li> <li>2. The invention was applied knowledge of instrumentation of industrial sensors and electrical power.</li> </ol>

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