FACULTY OF ELECTRICAL ENGINEERING
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FINAL REPORT OF DIPLOMA PROJECT

PORTABLE TRAFFIC LIGHT

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I declare that this report entitled " ***PORTABLE TRAFFIC LIGHT*** " is the result f our own group researh except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree.

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ABSTRACT

This Project is inspired by the situation incurred by pedestrians, which for the most part are students who need a crossway in order to obtain public transportation or to get to the campus; the difficulties that are faced by the personnel to exit the parking lot as well as the students who have a vehicle and to help those lecturer to go anywhere without distribution at road way.

This device was built and tested during a month to obtain figures and demonstrate benefits reported. The device should be low maintenance, it should have a long lifetime and, be simple enough to be operated by those who use it. Among the benefits found, the safety of the students, the prevention of accidents such as car crashes and run over.

This project operates red, amber and green LEDs in the correct sequence for a single UK traffic light. The time taken for the complete red - red & amber - green – amber sequence can be varied from about 7s to about 2½ minutes by adjusting the 1M preset. Some amber LEDs emit light that is almost red so you may prefer to use a yellow LED. The 555 astable circuit provides clock pulses for the 4017 counter which has ten outputs (Q0 to Q9).

Portable traffic light very simple product which is can give many effort and benefits to ours as specially to people in uitm Dungun . Among the benefits found we have the safety of the students, and the prevention of accidents such as car crashes and runs-over.

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