

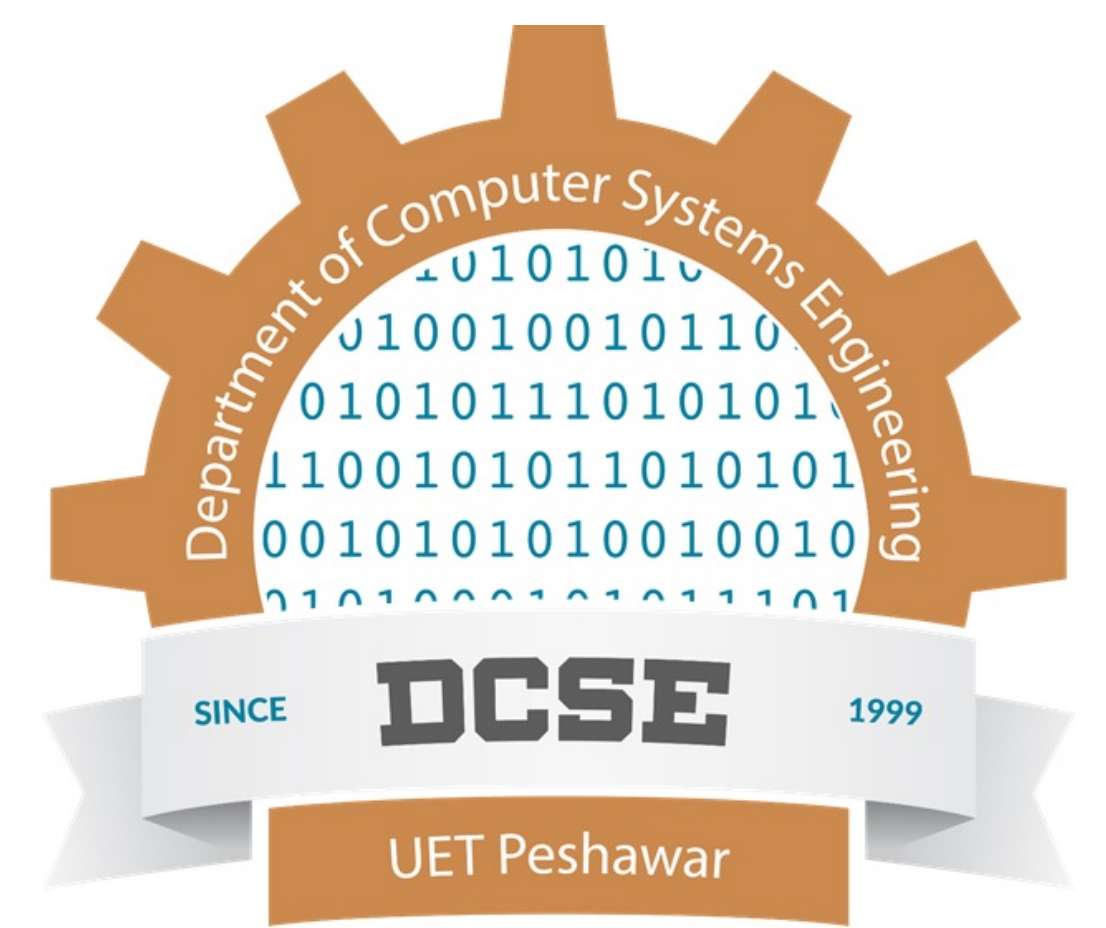
SECURITY ALARM BASED ON PIR SENSOR

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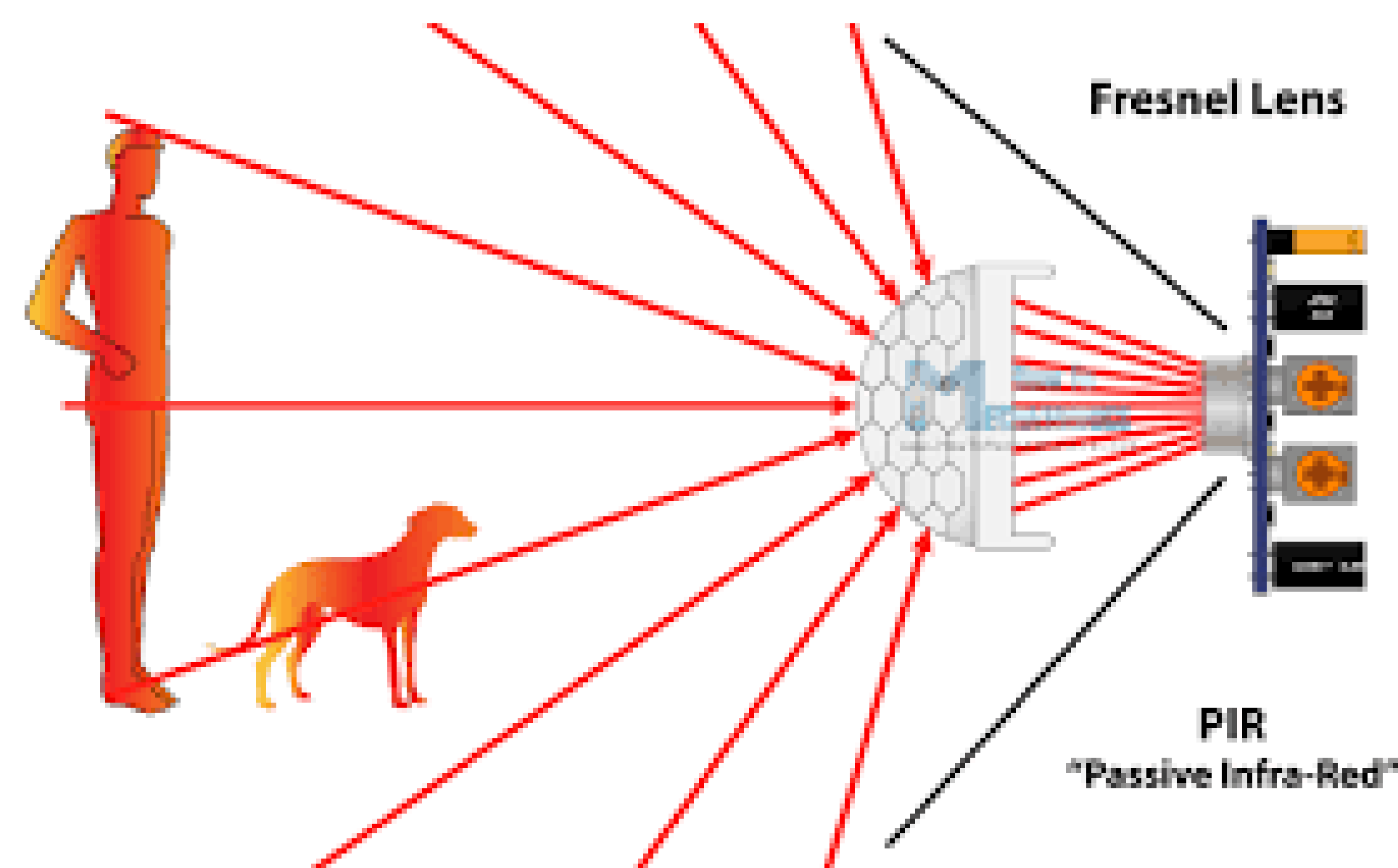
Course Lab: Circuits and Systems 1 Spring 2021



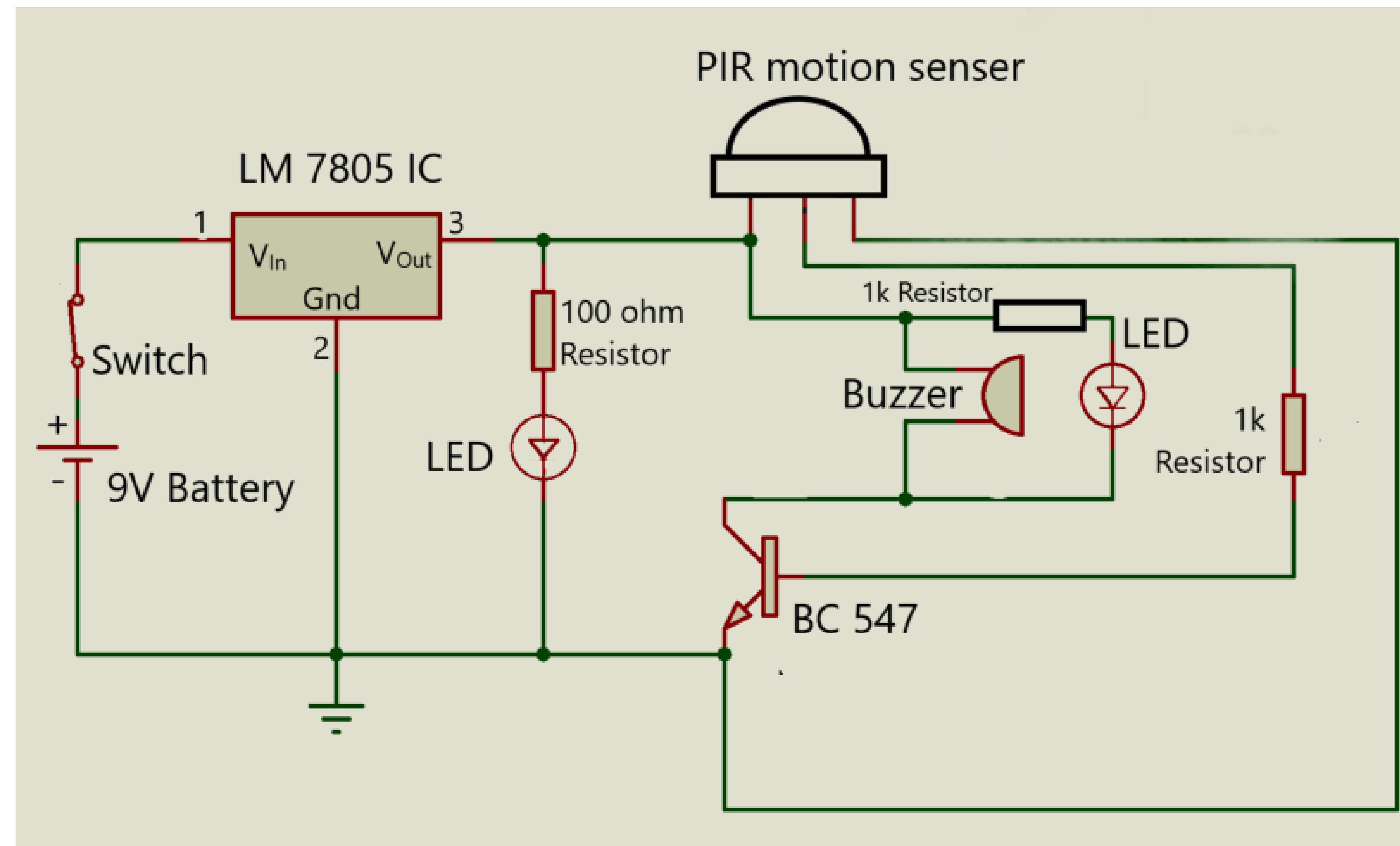
Introduction

- Detects motion by monitoring IR radiation
- Any change in surrounding IR radiations results in Alarm triggering

Motivation



Circuit Schematic



Operating Procedure

- Turn on the switch to make the alarm system functional
- Pass in front of the PIR sensor
- Sensor will detect motion by IR radiation detection
- This will send signal to the buzzer
- The buzzer will produce sound