NAME : *BLAZE . J . MITHRAN*

CLASS : 9A

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CBE 1

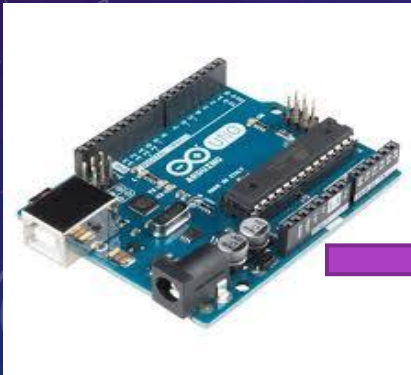# TITLE OF MY PROJECT IS

SMART HELMET

• I AM USING ARDUINO UNO R3,
LED LIGHT,
PULSE SENSOR.

PROGRAM

```
INT PULSESENSORPURPLEPIN = 0;
    INT LED13 = 13;
  INT SIGNAL;
    INT THRESHOLD = 550;


      VOID SETUP()
{  PINMODE(LED13,OUTPUT);
    SERIAL.BEGIN(9600);
   }


VOID LOOP() {
  SIGNAL =
ANALOGREAD(PULSESENSORPURPLEPIN);
    SERIAL.PRINTLN(SIGNAL);
     IF(SIGNAL > THRESHOLD){
     DIGITALWRITE(LED13,HIGH);
}
 ELSE {
    DIGITALWRITE(LED13,LOW);
}
DELAY(10);}
```
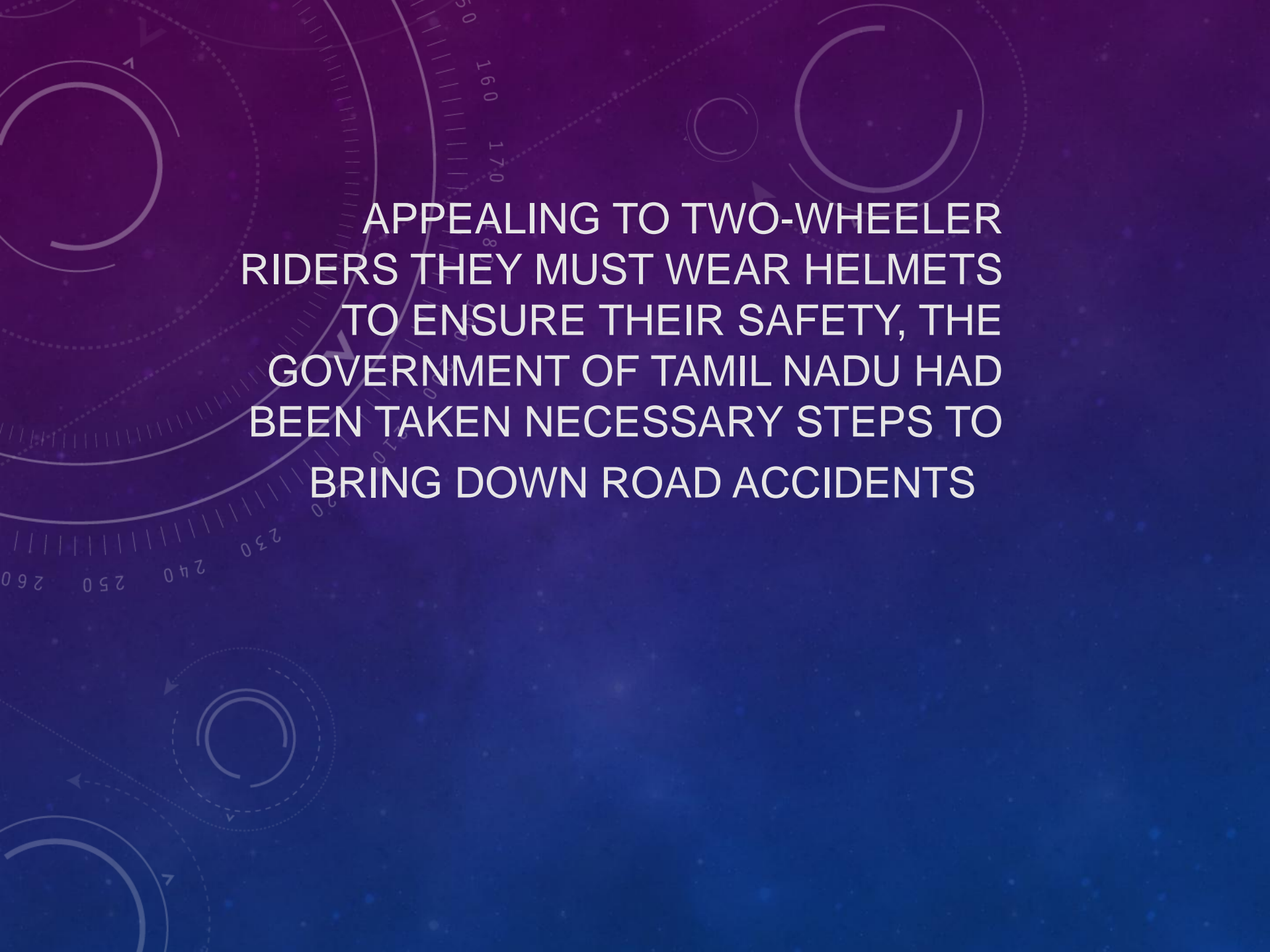
WHEN THE PULSE SENSOR RECEIVE THE SIGNALS IT PROCESS THE SIGNAL AND TURNS ON THE LED

PRACTICAL APPLICATION

CURRENT AMPLIFIER CAN BE AMPLIFY THE CURRENT.
STEP UP TRANSFORMER USES TO INCREASE VOLTAGE
BIKE MOTOR

APPEALING TO TWO-WHEELER RIDERS THEY MUST WEAR HELMETS TO ENSURE THEIR SAFETY, THE GOVERNMENT OF TAMIL NADU HAD BEEN TAKEN NECESSARY STEPS TO BRING DOWN ROAD ACCIDENTS

TWO-WHEELERS WERE INVOLVED IN 15,000
ACCIDENTS. IT ACCOUNTS FOR 40.53% OF
THE TOTAL ACCIDENTS. OUT OF
THEM,1,800 PEOPLE, RIDING TWO-
WHEELERS WITHOUT WEARING HELMETS
HAVE DIED AFTER HEAD INJURIES.

THE CONCEPT OF MY PROJECT
IS
COMPULSORILY SHOULD WEAR
HELMET
OTHERWISE
THE BIKE ENGINE WILL NOT
START.

According to section 129 motor
vehicle act 1988, riders must   wear
helmet compulsorily.

THIS PROJECT IS MAINLY USED IN ACCIDENT

USES OF THIS PROJECT

IT HAS MANY USES IN ACCIDENT PREVENTION AND IN COLLISION PREVENTION

WE CAN BRING DOWN THE ROAD ACCIDENTS.

 WE CAN REDUCE THE DEATH IN ROAD ACCIDENTS
AND WE CAN SAVE MANY PEOPLES LIFE.

WEAR HELMET SAVE LIFE…

HAVE A SAFE JOURNEY

THANK YOU