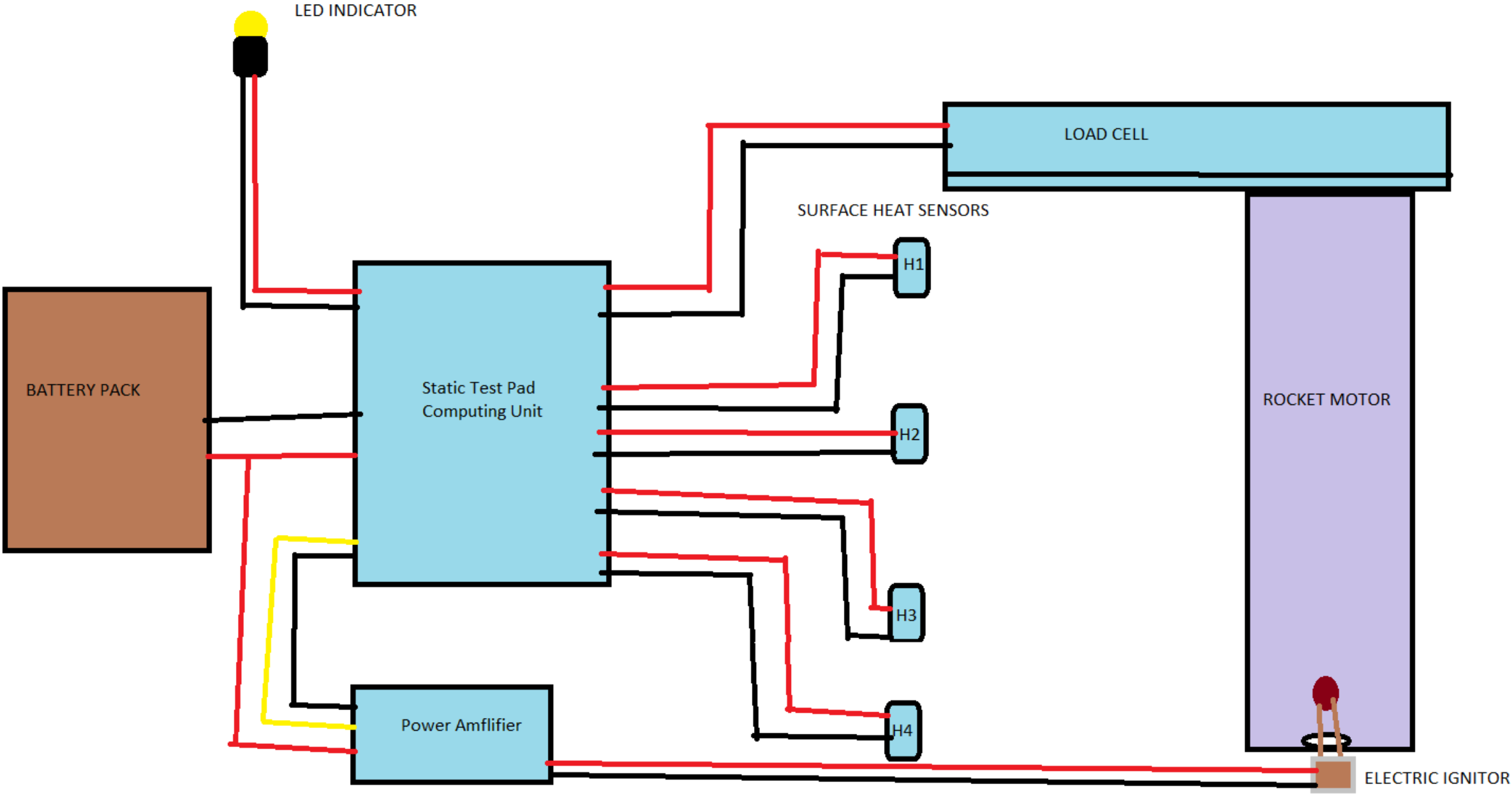


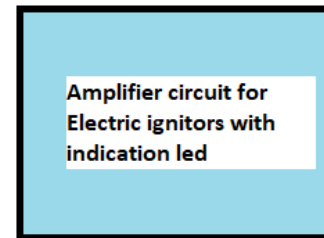
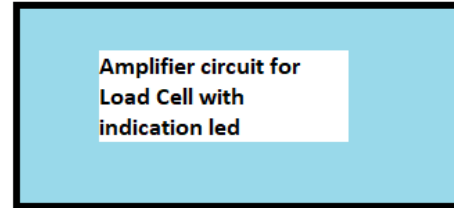
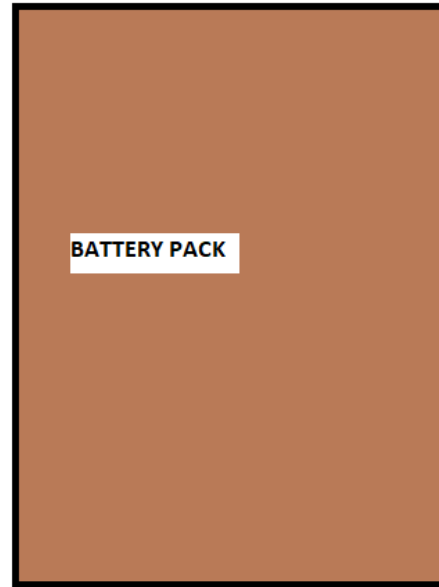
ROCKET MOTOR STATIC TEST PAD DESIGN

BY: ABHISHEK ROUT

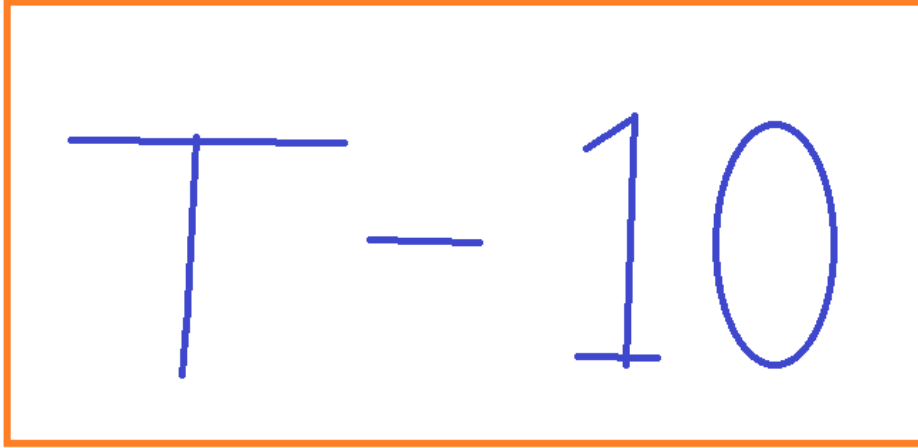
SYSTEM TO ACQUIRE DATA



ELECTRICAL POWER SYSTEM



TEST CONTROL SYSTEM



LED
INDICATORS

REALTIME GRAPHS SHOULD POPUP
OTHERWISE KILL SWITCH FROM COMMAND WINDOW

ALSO BLINKING OF LEDS INDICATE PROPER WORKING OF
DIFFERENT PARTS

REAL TIME DATA TRANSMISSION,PROCESSING AND
SAVE THE DATA IN TABULAR FORMAT

THRUST APPLIED BY THE ROCKET MOTOR

TIME(in seconds)	FORCE ON LOADCELL

TEMPERATURE ON DIFFERENT POINTS ON SURFACES OF
ROCKET MOTOR

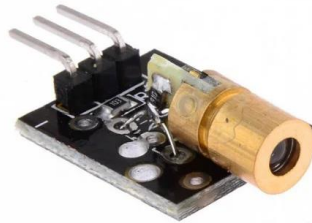
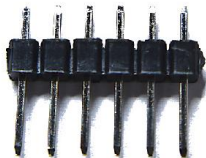
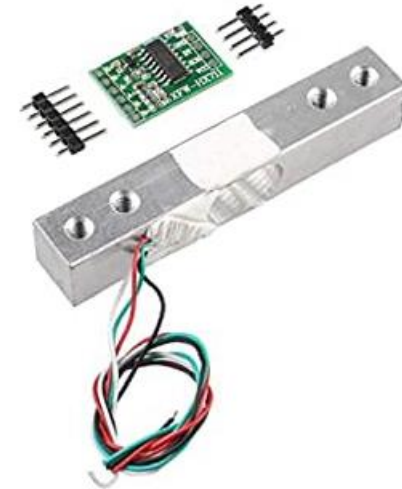
TIME	H1	H2	H3	H4

COMPONENTS AND MODULES TO USE

Arduino UNO & esp8266 wifi module



load cell hx711



mlx90614 infrared temperature sensor
& Laser Module 650NM

ROCKET MOTOR HOLDER

