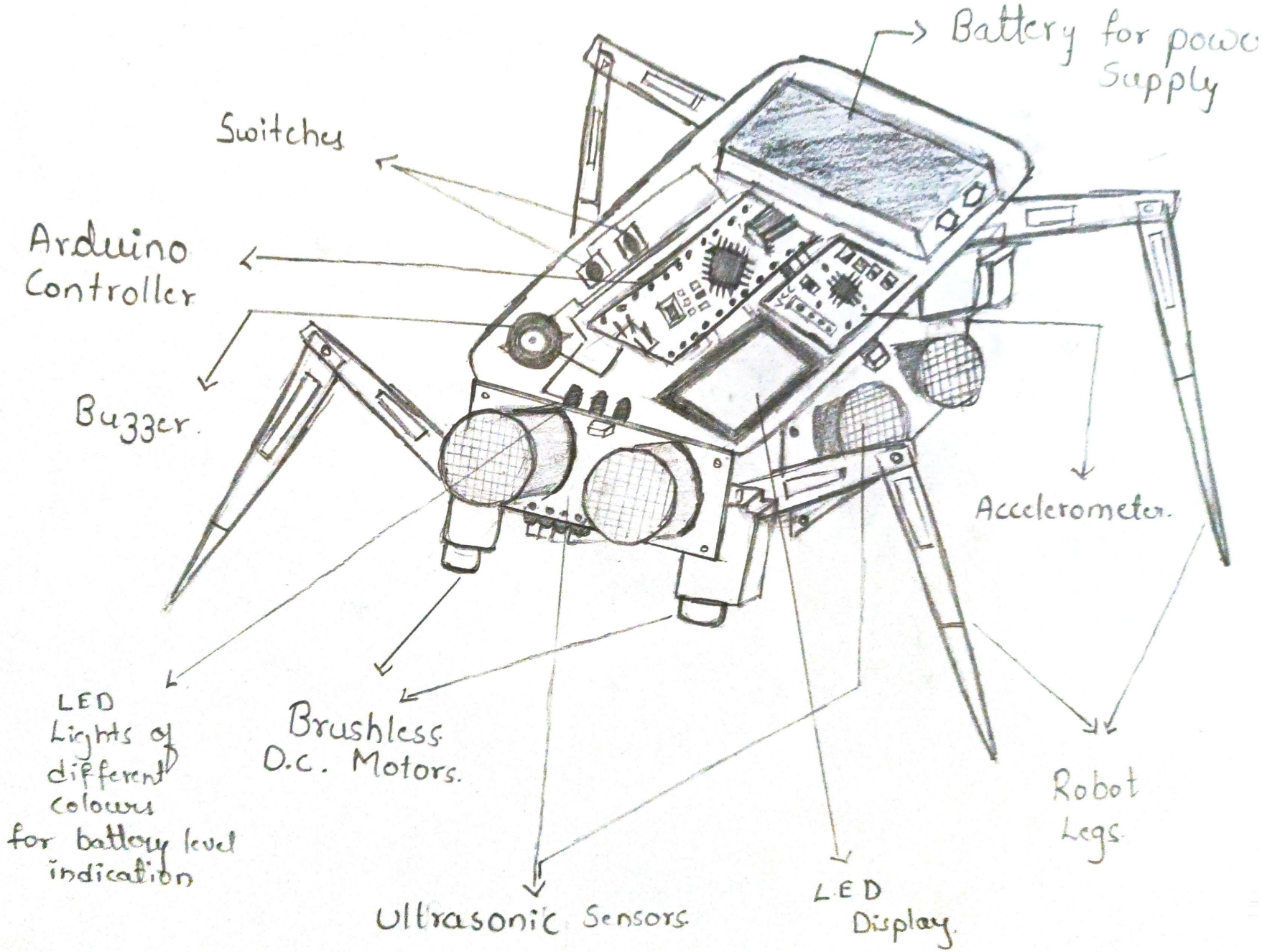
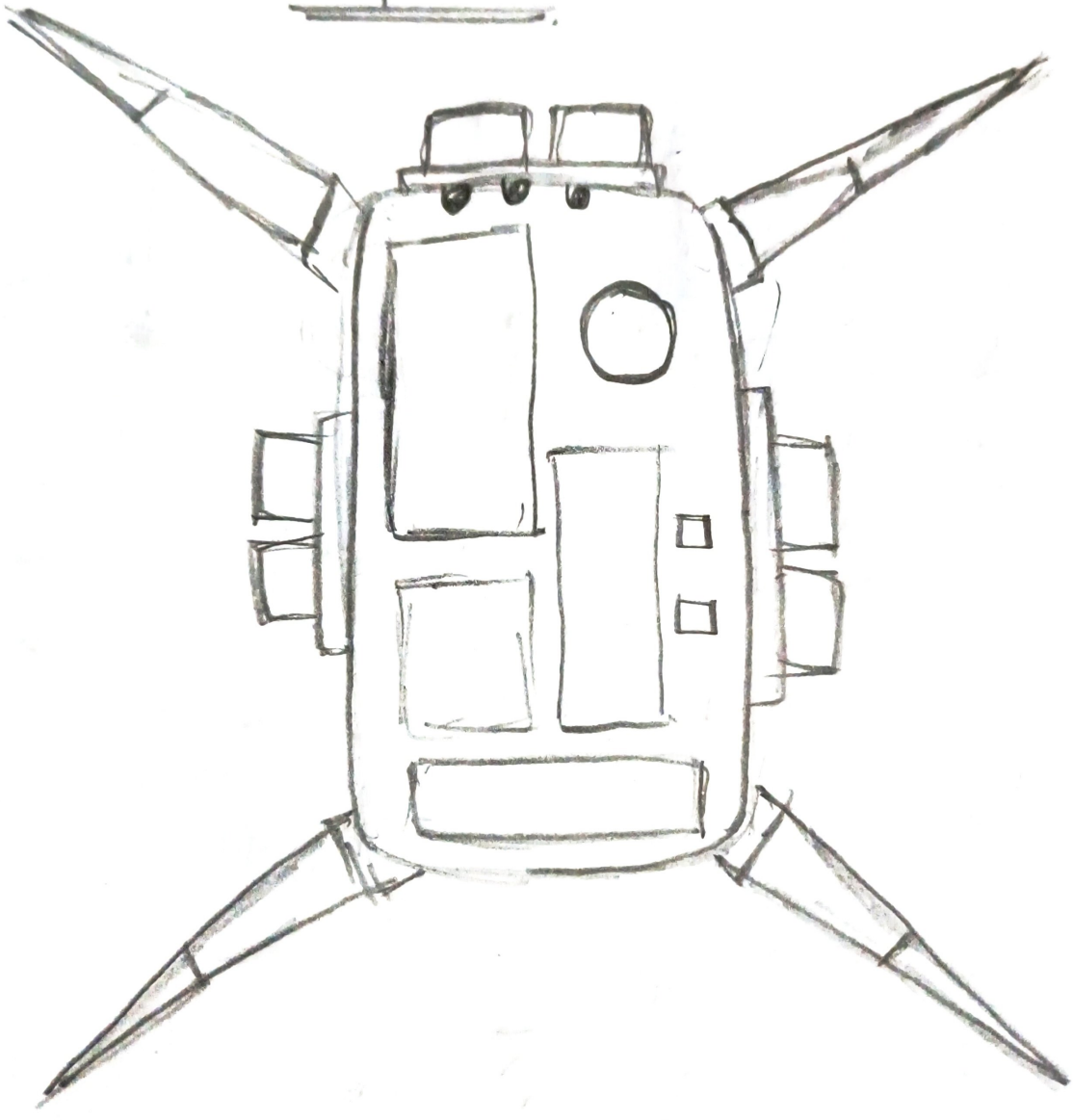
KLE TECHNOLOGICAL UNIVERSITY, Bhoomaraddi Campus, Hubballi

Conceptual Design

Name :- Neeraj N K.
Roll no :- 1110

Spider Bot

Functions	Means Used
① Movement (Forward + Backward + changing dirⁿ)	Brushless D.C motors
② Sensing obstacles	Ultrasonic Sensors
③ Display used for Step-count	LED display
④ Counting steps	Accelerometer + Arduino Controller
⑤ obstacle detection	Buzzer
⑥ Walking	Robot legs functioned by Arduino controller


Battery for power Supply
Switches
Arduino Controller
Buzzer.
Accelerometer.
LED Lights of different colours for battery level indication
Brushless D.C. Motors.
Robot Legs.
Ultrasonic Sensors.
LED Display.

Top View.