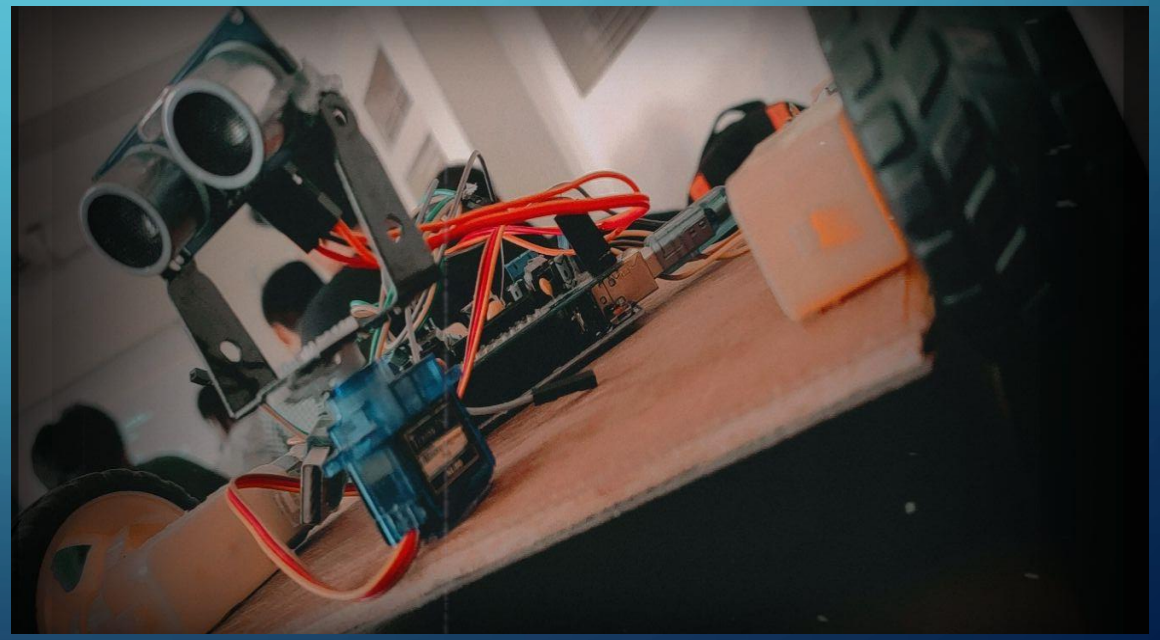
OBSTRICAL SENSING ROBOT

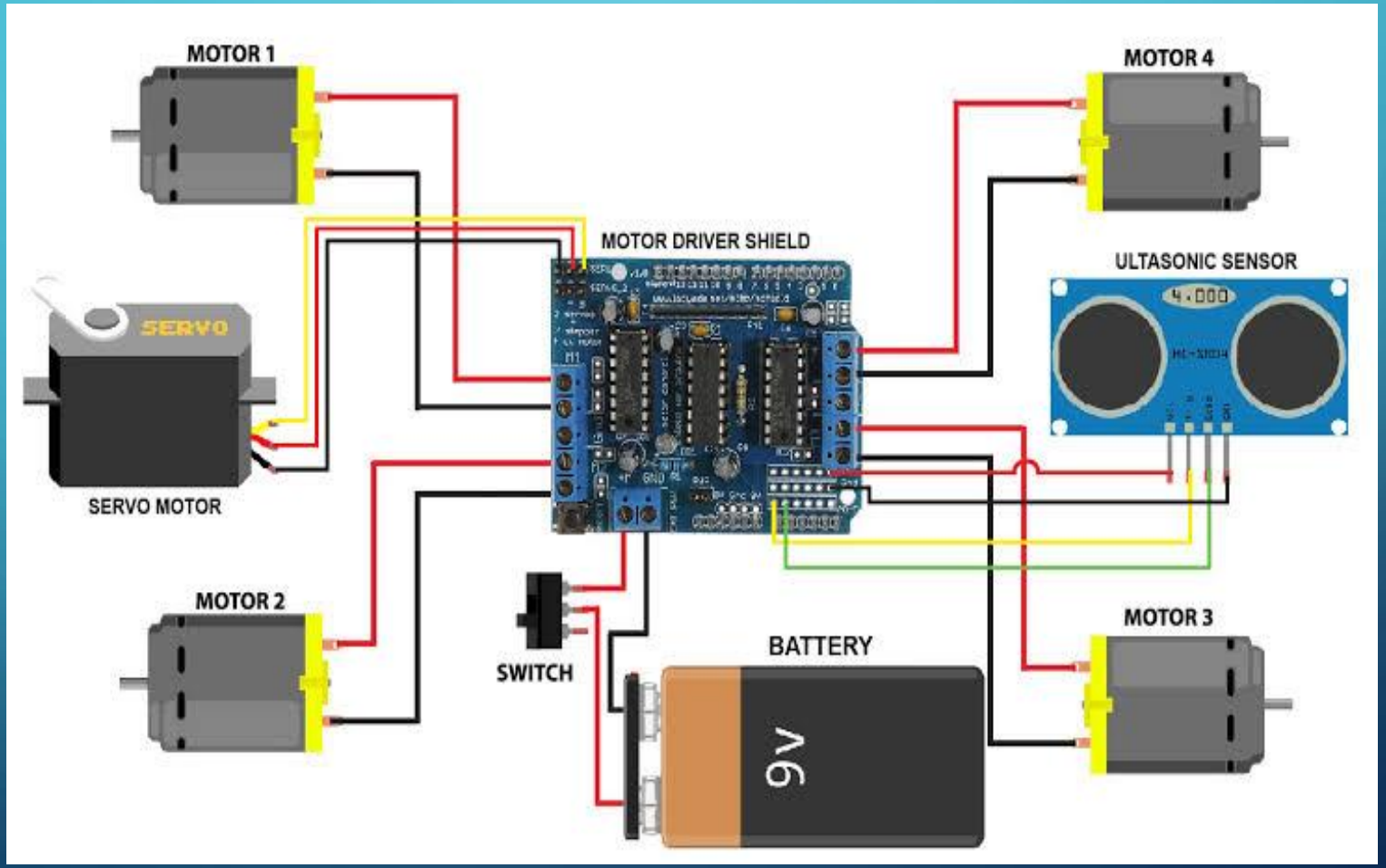
. MINI PROJECT—PSP

D.MANOJ

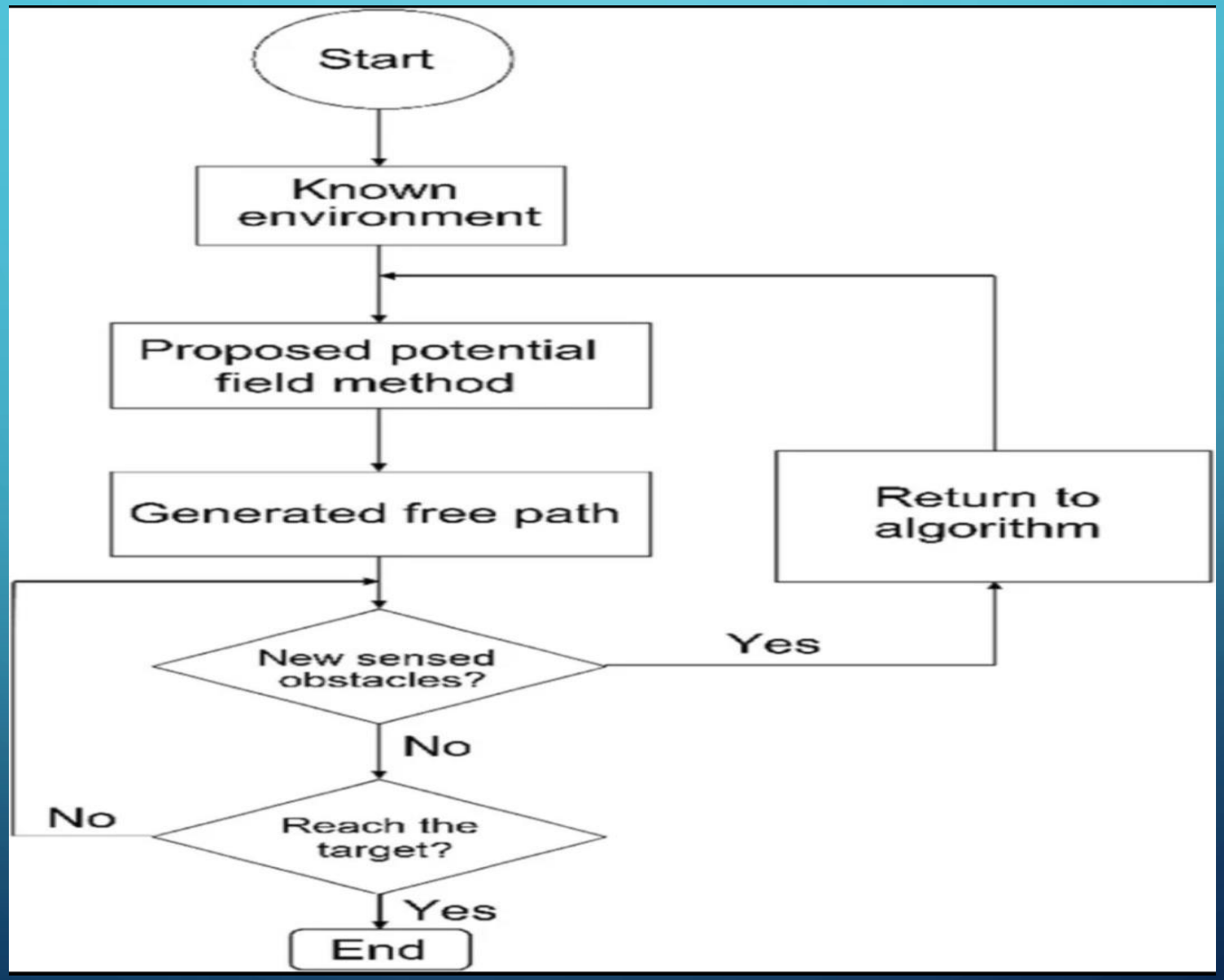
DEV TARUN



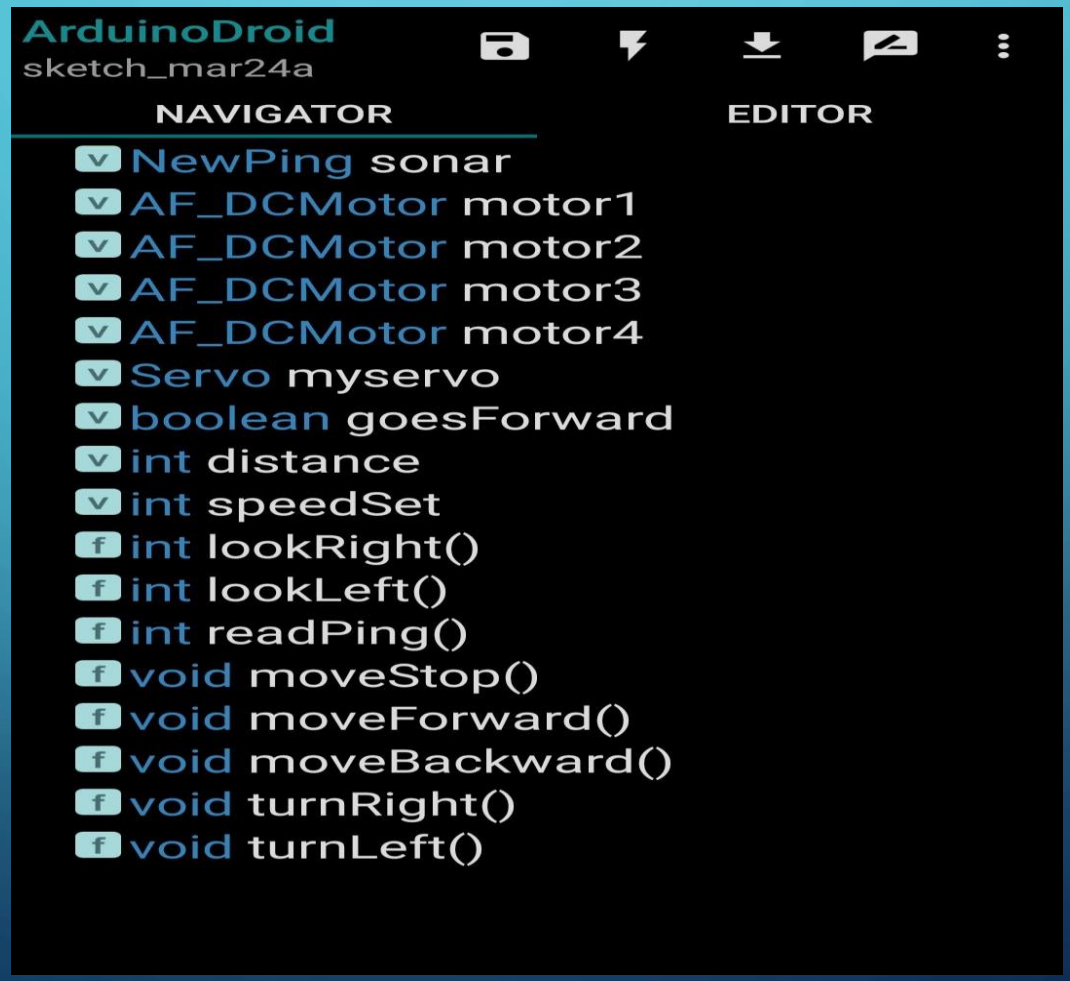
CIRCUIT DIAGRAM



LOGIC :


Start
Known environment
Proposed potential field method
Generated free path
New sensed obstacles?
Yes
Return to algorithm
No
Reach the target?
No
Yes
End

NAVIGATIONS USED:-



CODE

```
void turnRight() {
  motor1.run(FORWARD);
  motor2.run(FORWARD);
  motor3.run(BACKWARD);
  motor4.run(BACKWARD);
  delay(500);
  motor1.run(FORWARD);
  motor2.run(FORWARD);
  motor3.run(FORWARD);
  motor4.run(FORWARD);
}

void turnLeft() {
  motor1.run(BACKWARD);
  motor2.run(BACKWARD);
  motor3.run(FORWARD);
  motor4.run(FORWARD);
  delay(500);
  motor1.run(FORWARD);
  motor2.run(FORWARD);
  motor3.run(FORWARD);
  motor4.run(FORWARD);
}
```

THANK YOU