# HMC5883L 3-Axis Compass Module Interfacing with Arduino

Introduction

The unmanned machines like robots and drones cannot sense in which direction to move, unlike humans. Therefore, they need a sensor to identify directions. Therefore, we need magnetometers. They sense the magnetic field and based on this magnetic field; it tells the direction of a device in which this magnetometer is integrated. Hence, we can use HMC5883L to determine the direction of objects

components

## ****Applications****

* GPS based wireless phones
* computer games
* wireless pointers
* sport watches
* portable GPS reccever

objectives

programming steps

progam

hardware

instructions

* GY-273 Compass Module -> Arduino
* VCC-> VCC of arduino
* VCC -> VCC (See Note Below)
* SCL -> A5/SCL,
* SDA -> A4/SDA,
* GND -> GND