**Hardware Components :**  
• Arduino Uno  
• HC- 12 wireless communication module  
• Breadboard  
• Jumping wires  
**Software Components :**  
• Arduino IDE  
**HC-12 wireless communication module :**  
He re are some specification of HC- 12 w ireless serial port communication module :  
• Its wireless working frequency band is from 4 33 .4 MHz to 47 3.0 MHz  
• It has a total of 100 channels with a stepping of 400 KHz between each channel  
• Transmitting power is from -1 dBm (0. 79mW ) to 20 dBm (100mW )  
• Receiving sensitivity is from -117 dBm (0. 019pW ) to - 100dBm (10pW ).

To work with wifi module:

* + Refer the semantic diagram given
  + Code if there in the folder “wifi1” and “wifi2”.