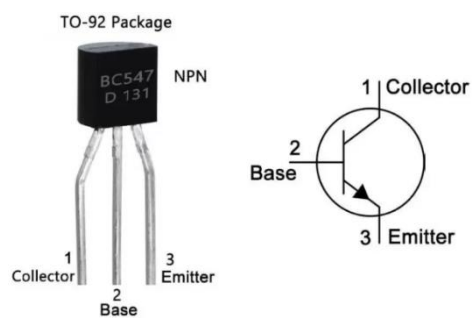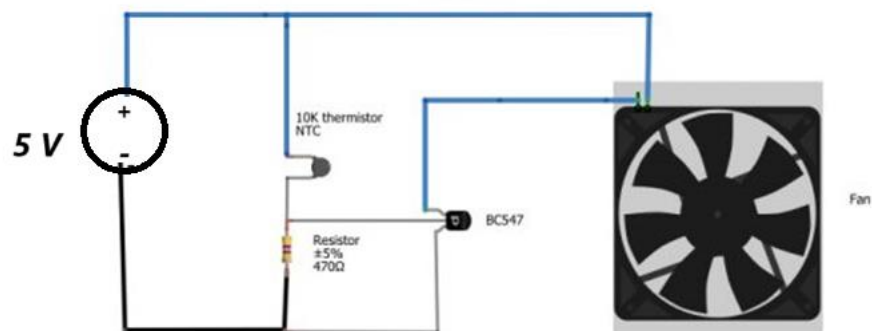# ECE101: Basics of Electrical and Electronics Circuits

Mini Project-5

Simple DC Fan/Motor Speed Controller using NTC:

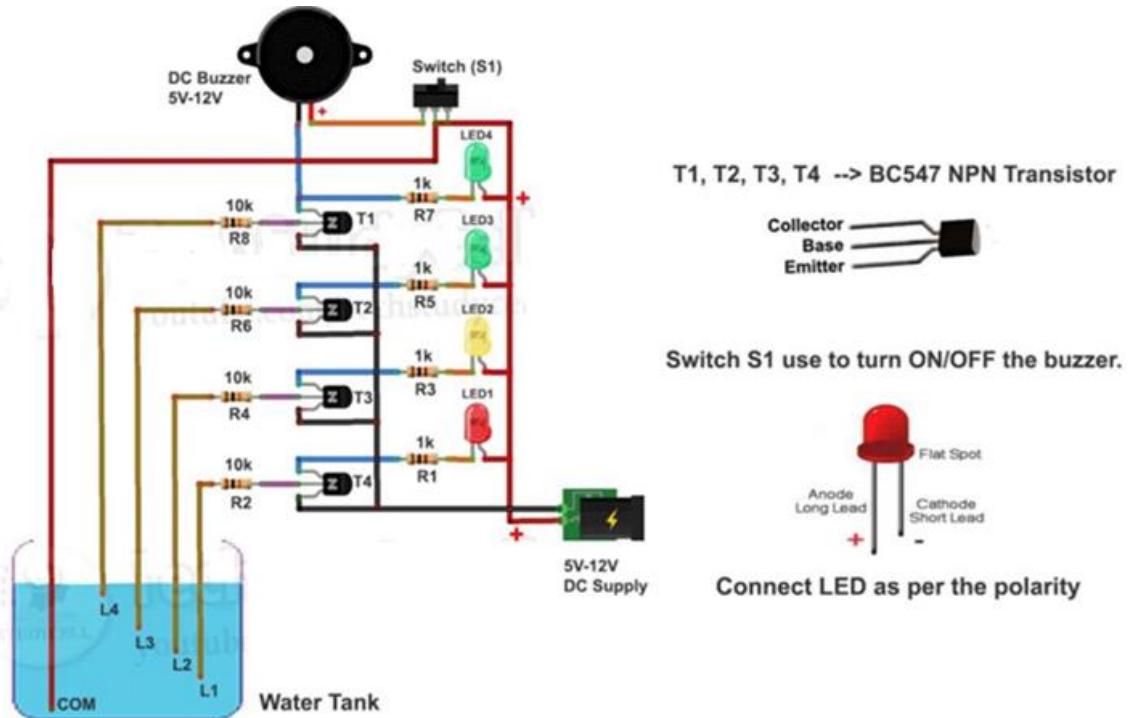

Measurements

Motor	Transistor (V_{BE})	Base Current (I_B)	I_{Motor}= collector Current (I_C)	Voltage Across Motor Terminal	Motor Power
ON					

Transistor (β)= I_C/I_B= ………….

ECE101: Basics of Electrical and Electronics Circuits

Mini Project-6

Simple Water Level Indicator with Buzzer

Measurement of Base Emitter Voltage:

Indicator LED	Transistor V_{BE} on testing with manual switching with wires	Transistor V_{BE} testing with Water tank
ON		
OFF		