Title: Develope an android based for regulator.

Problem statements

bevelop an android based for

regulator using open source hardware

platform like NodeMcu & actuator

[a servo motor]

Theory :-

- Servo Motor

- Using a servo motor is common in
  - It is a rotary actuator or linear actuator that follows for poeche control of angular or linear position, velocity & acceleration
- Material Required

  J Arduino UNO

  2] Servo Motor

  3) Bread Board.

  2) Connecting wires
- on odule works on 5V supply of the signal pin operate on 3.3V, hence a 3.3V regulator is present in the module poself.

Pin	connection
	TUL

43212

Sr.no.	Pin on H (-05/		
19.87	H (-0-E	Pin name on	Pin number
H OND	soon polyal	MCU	In PIC.
11 - 11	VCC	1 111	
2	vce	Vdd	31" Pin
3	Tx	RCC 1+ 1C)	322d pin
4	Rx	RC6/tx/Cx	15th pin
5	State	RCT/Rx/DT	26th pin.
6	En (Enable)	NC NC	NC
		NC	NC NC

Advantages of Servo Motor

1) If heavy load places on the motor, the driver will increase the current to the motor coil as it attempts to rotate the motor, there is no out of step condition.

27 High speed operation is possible

+ Dis advantages of Servo Motor!

1] It requires tuning to stabilize the feedback loop.

2) Peak torque is limited to a 1% of duty cycle.

Application!

+] In industries in radio controlled dirplane in robots, in aerospace industry.

In this way, I have developed an Conchision:

android based fan regulator.