

WOMAN ROBOT

(Inspired by Nature: Escapes from you, you can't touch her)

Robotics is interesting domain, and robotics is inspired by nature. Many robots were designed to imitate humans, dogs, birds and even fishes also. All these robots imitate the physical motion of the creature. But this woman robot imitates a woman mindset.

Most of the times, women are hesitated, shy full and always try to escape from the presence of the male. This woman robot is also same kind of. The robot is fixed with an IR transmitter and receiver pair. Whenever you try to touch the robot, the IR rays will touch the hands and reflected back to the IR receiver unit. This received IR signal enables a transistor to rotate the DC geared motor.

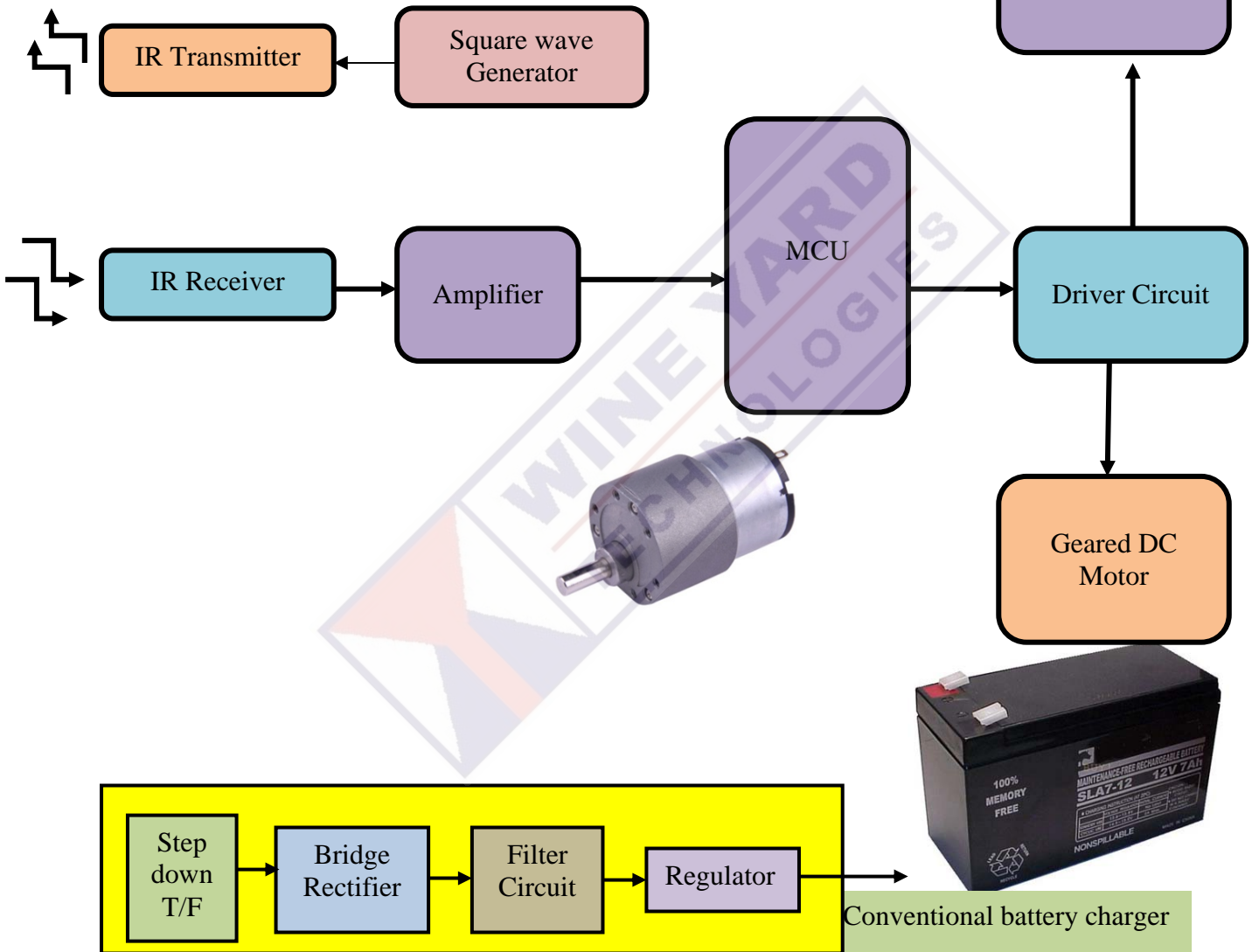
The complete robot arrangement is fixed on a wooden plank and is assembled with the geared DC motor. This rotation of the geared DC motor moves the robot in forward direction. The robot continues, till you try to touch it.

This project works with 12V rechargeable battery. 60RPM DC motor is used for robot movement. A charger circuit is also designed to charge the battery. This circuit uses regulated 12V, 750mA power supply. 7812 three terminal voltage regulator is used for voltage regulation. Bridge type full wave rectifier is used to rectify the ac output of secondary of 230/18V step down transformer.



DON'T TOUCH

The Escaping Robot



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