

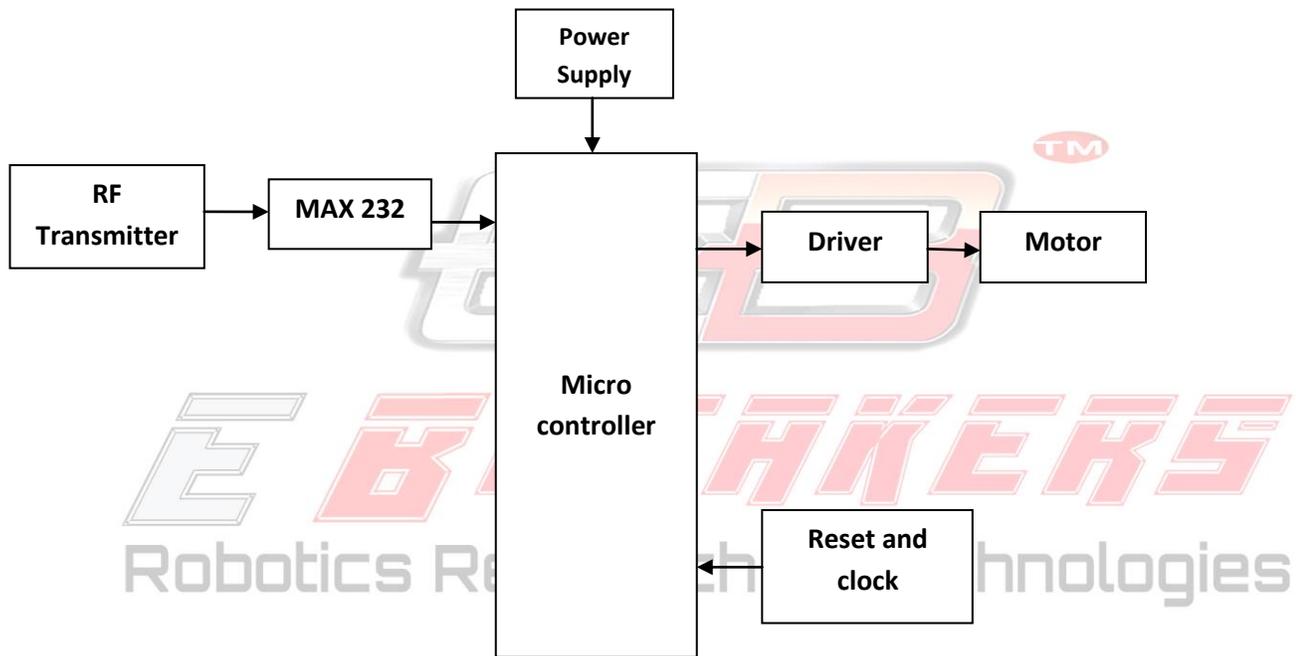
## WIRELESS ROBOT ARM USING 8051 MICROCONTROLLER

### Description:

Robot warriors have already seen action in Iraq, and the US Army plans to replace one-third of its armored vehicles and weapons with robots by 2015. These killing machines may one day come equipped with an artificial conscience even to the extent of disobeying immoral orders. The US Army's latest recruits are 1 meter (about 3 feet) tall, wear desert camouflage and are armed with black M249 machine guns. They also move on caterpillar tracks and thanks to five camera eyes can even see in the dark. The fearless fighters are three robot soldiers who, unnoticed by the general public, were deployed in Iraq in mid-June, charged with hunting down insurgents. As if guided by an unseen hand, they hone in on their targets and fire at them with their machine guns. It's the future of war and it's already here. "SWORDS" or the Special Weapons Observation Reconnaissance Detection System, "It's the first weaponized robot in the history of warfare," says Charles Dean, an engineer with Waltham, Massachusetts-based Foster-Miller, the manufacturer of the new devices. Dean and the 70 employees in his department are eager to find out how their three protégés are holding up on the front. Because the three robots, dubbed "Swords," are being used in a secret mission, their creators have no idea whether the devices have already killed enemy fighters in combat.



**Block diagram:**



**RECEIVER:** ←



**Hardware requirements:**

1. Micro controller
2. RF Transmitter
3. RF Receiver
4. MAX 232
5. Motors
6. Switches

**Software requirements:**

1. Keil software
2. Embedded c

