Synopsys on the major project

“ANTENNA POSITIONING SYSTEM”

In this project we use one small antenna, which is rotated by the PC in clockwise and anti-clockwise direction. One sensor is connected on the antenna to get a signal from the transmitter. When antenna sensor receive a signal then PC stop the antenna and at that time PC show the stop direction. PC use a C++ base software, Antenna is connected on the stepper motor. Stepper motor control by PC parallel port. Parallel port provide a output to the stepper motor. As the sensor get a signal, this signal is further connected to the PC parallel port to provide a input.
Component required

- Motor (Stepper)
- LEDs
- ADC
- Optocoupler
- Buzzer
- Relay
- IR Sensor
- Parallel port connector
- Power Supply Circuit
- Resistances
- Capacitors
- Diodes
- Transistors (PNP, NPN)
- Pull-up register
- PCB
- Solder
- wire