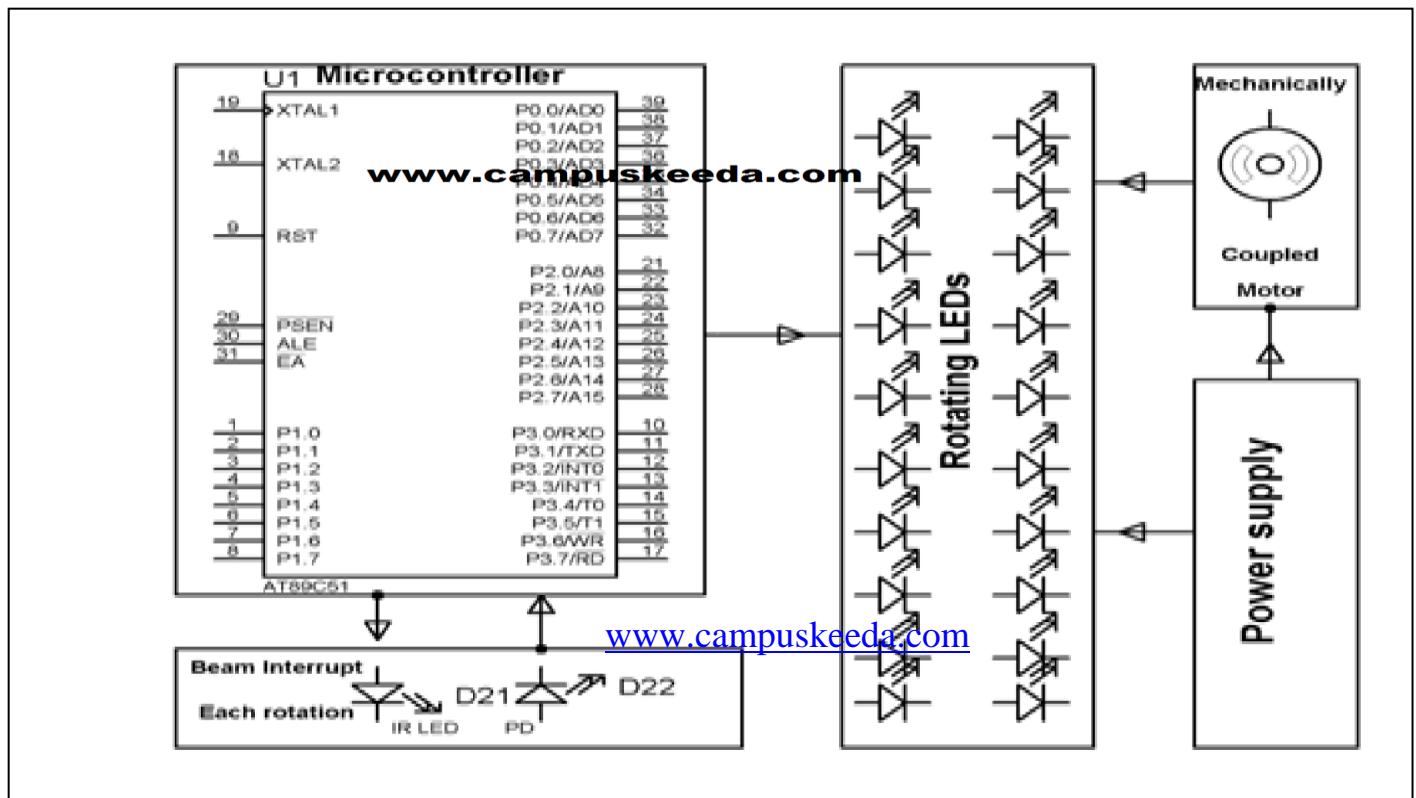


Propeller Display of Time / Message

This project comprises of circular display of a string of LEDs. Using a high speed motor and some mechanical assembly, LED string mounted on a printed circuit board are duly interfaced to a microcontroller. An appropriate program while executed drives a pair of single line LEDs in space multiplexing mode. This displays some message and or a clock timing taking advantage of persistence of vision of human eye. Without the single line of LEDs in space multiplexing mode if one would have to display a message ,number of LEDs as high as 525 would have been used. Here the project uses only 20 LEDs. Thus material count, hardware requirement, brings the overall cost to very affordable price. The synchronizing is be implemented through software.



HARDWARE REQUIREMENTS:

Microcontroller, sensors, Resistors, Capacitors, Diodes, Transformer, Voltage Regulator, Transistors, LEDs, Motor

SOFTWARE REQUIREMENTS:

Keil compiler, Language: Embedded C or Assembly.