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Microcontroller Based Projects This next PIC microcontroller project presents a data logger project based on PIC12F683 microcontroller. The microcontroller reads temperature values from a temperature sensor on a regular interval basis and stores them into its internal EEPROM memory. The recorded temperatures can be later transferred to a PC through serial interface. Top 20 PIC Microcontroller Projects | PIC Microcontroller ... Microchip pic microcontrollers belongs to modern family of MCUs and is being used widely in our daily life seem-less manners, e.g. in our multimedia devices, tele-phones, microwave ovens, medical and health

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applications like audio accessories, smart phones, video gaming devices, advanced medical devices, etc. You can get an idea about the list of top PIC microcontroller projects for engineering students by reading the below conceptual information.

**PIC Microcontroller Projects Ideas for Engineering Students**

Pic microcontroller projects are very popular among Electrical and electronics engineering students. PIC microcontrollers are family of microcontrollers designed by microchip. Pic microcontrollers used Harvard architecture. PIC microcontrollers are available in a wide range starting from 8-bit to 32-bit microcontrollers.

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**Top PIC Microcontroller Projects Ideas**

PIC microcontrollers are electronic circuits that can be programmed to carry out a vast range of tasks. The name PIC initially referred to "Peripheral Interface Controller". Later it has been changed to "Programmable Intelligent Computer".

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**PIC Microcontroller Based Wind Turbine Controller: Generating electricity from wind energy is an effective way to reduce the usage of normal electricity.** In this project a PIC 16F877A microcontroller based wind turbine charge controller is implemented. A maximum current of 7A can be controlled by the charge controller.

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Interesting DIY microcontroller projects and applications based on various microcontrollers. Explore projects based on 8051, AVR, PIC, Arduino, Raspberry Pi, etc. These are helpful for final year engineering project ideas.

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Microcontrollers

are the core components of an electronics project. They consist of the command control program needed to run the project. NevonProjects provides the widest list of microcontroller based projects for engineers, students and researchers.

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**A Parallel port pic programmer based on AN589 with an ICSP connector that you can use to program virtually any PIC micro since they all use the same ICSP connections.** This project does not use a PIC micro - it needs a 74HC244 and some standard transistors.

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**Solar Tracking System** This is a simple PIC microcontroller based Solar Tracking system, only basic electronics skills are required. It uses 2 unipolar stepper motors and 4 IR-850nm LEDs as sensors to follow the sun maximizing solar panel illumination. The entire prototype frame...

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A microcontroller is a circuit element that is completely self-contained, with many hardware blocks such as counters, comparators, even ADCs built in, so there is no need to wire up too much external hardware to make useful projects.

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**Microcontroller Projects: Wireless systems**

**ATmega16A Based GPS Receiver** A global positioning system (GPS) receiver uses information from the satellites to get precise

geographical location. It not only gives information about location but also information like time, date, height and speed. [Top 20 Microcontroller Projects | Microcontroller Project ...PIC](#)

[Microcontroller Projects in C: Basic to Advanced \[Dogan Ibrahim\] on Amazon.com. \\*FREE\\* shipping on qualifying offers. Extensively revised and updated to encompass the latest developments in the PIC 18FXXX series, this book demonstrates how to develop a range of microcontroller applications through a project-based approach. After giving an introduction to programming in C using the popular ...PIC Microcontroller Projects in C: Basic to Advanced ...PIC](#)

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