

Automatic Railway Gate Control Project

ajay_bhargav, Tue Oct 15 2019, 01:09 pm

[Automatic Railway Gate Control](#)

It's been a long time since there has been a project shared on our website. I want to thank Sharanjit Singh from Canada for sharing this project. Though the project seems very simple but its a great project who wants to get started with microcontrollers.

Automatic Railway Gate Control uses two IR sensors for detecting incoming train and when train has passed, based on that 8051 microcontroller makes simple decision to close or open the gate respectively. In the project model a L293D H-Bridge is used to control gates connected to a motor. Project design looks very neat and clean. You can see working video of the project below:

Project source code is written in assembly language. The download package includes source code, hex file and schematics.

Thank you guys for submitting this project.

Download this project from our download section:

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