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| **Abstract:** |  |
| Energy delivery of an electrical device performs a first-rate role in every digital gadget as it controls, regulates and distributes DC strength for the gadget. In this paper a variable DC energy source is being used with an external safety circuit. The Dc source is designed by Arduino with pulse width modulation (PWM) based manipulate circuit along with MOSFET for switching operation. The principle characteristic of our project work is to adjust the output voltage by means of PWM manipulation and by controlling the PWM ripple voltage. In order to do that the pulse width is varying with the modifications inside the DC output voltage stage which will change the pulse width that will arise an output voltage. As a result, the output voltage may be numerous respectively with the versions of load. | |