

PROJECT TITLE: MULTI DEVICE charger.

PROJECT DESCRIPTION:

It is a device which can be used to charge a range of electronic devices like mobile phones ,laptops,tablets and many other electronic equipments.it would be having a voltage regulator for controlling the voltage required for charging the device.it can be charged by a external voltage supply or any other device also.

IMPLEMENTATION STEPS:

1> FIRST of all we will look out for a rechargeable battery of a small size

(we want device to be handy ,easy to carry).so less in size and weight.(week2-week3)

2>mechanism for voltage regulation--a mechanism for voltage regulation(may be a dial or something) which would be attached with the device itself.(week1-week2)

3>a port for power transfer-- a port most probably USB port and fitting it into the circuit .there will be a range of cables for different devices available separately.(week4-week5)

COMPONENTS REQUIRED: A rechargeable battery,a usb port,electronic components(ICs,transistors etc.)

BY THE END OF THE PROJECT WE ARE EXPECTING TO LEARN :

1>HOW TO CONTROL THE VOLTAGE SUPPLY THROUGH A DEVICE(which we need to learn)

2>basic electronic circuits which would be used in the project.