

## PROJECT TITLE: Wireless charger

### Rough timeline:

First 15 days: In the first phase, we do a bit of background work on the working of a wireless charger and the method of transmitting power wirelessly. Later we workout on circuit diagrams, list of the basic electronic equipment required and calculate the values of electronic components theoretically. On a whole, we complete the wireless charger on paper.

Next 15 days: In the second phase, we start making the charging charger. We try to bring the on-paper charger into reality. We start building the parts of the charger and make sure that they are working properly.

Last 15 days: We experiment the possible circuit options and figure out the problems, if any. Later, we try to solve the problems and try to modify the charger to make it as compact as possible.

Expenses: the expenditure of the project will depend upon the components used to make the circuit. We will need basic electronic components such as resistors, capacitors, inductors, diodes, etc. we will need a rechargeable battery for testing. These will cost not less than Rs.1000.

By the end of the project, we will have a good hand-on experience on basic electronics and team work.