

PROJECT TITLE: Wireless charger

Feasibility: We have checked the possibility of making such a charger in the given time and came to know that similar project was done by some of our seniors as part of their ITSP project. As of 2013, several mobile companies such as nokia, Samsung and Motorola have released models which support wireless charging. Thus, we are confident that the project is feasible and can be completed in the stipulated time. We have collected notes and other information that will be useful in making the charger.

Rough timeline:

First 15 days:

At first, 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.