AMC Bot

Taking into consideration the big challenge in hand, we have started to discuss our plans and think of a proper size and design that can perfectly suit the machine to run over all three physiographical parts of the earth, i.e, land, water and air.

We shall pursue a fast moving strategy to save maximum time for proper tests and also, not ignoring the fact that we may have to go through various downfalls including rearrangement of body parts, reconstructing circuits, or redesigning the skeleton or even reconstructing the machine all over again (although we would definitely hope against these).

We will target working as per the following weekly schedule and make sure with every progressive steps the previous steps are revised and all possibilities are thoroughly considerd.

Week 1st : Planning, designing, purchasing required components , construction of basic skeleton.

Week 2nd : Circuit Designing, Making Console, Arrangement of components, so as to make the bot run on land.

Week 3rd & 4th : Taking into consideration the weight constraints,designing the bot so as to be able to make it fly & run in water.

Week 5th : Removing lags and proper testing of bot.

Components Required(may vary):

Motors

High RPM Motors

Switches

Breadboard

Batteries

Transmitter

Receiver

transistors

Fan Blades

Wheels Of appropriate size

Light weight material for base.

Finally at the end of this project I will atleast have an idea of

1:aero modelling basics

2: fluid mechanics

3: general mechanism of car model.

4: programing softwares (may be)

5:basic electronics

etc