PROJECT TITLE: RC SKATES

DESCRIPTION:

Our Idea!

- Imagine waking up late for a morning lecture, missing out on the last Tum –Tum,…. Total give up! Might as well ditch the lecture and go back to sleep :P
- NOW what if you have RC Skates. All you have to do is snap them on your shoes and skate to your lecture. Later all you have to do is detach the sole and put on a smug look!

Our skates aim to be highly user friendly, eco-friendly, portable, easy maintenance and a fast mode of transportation designed for small to medium distances.

We intend on adding special features such as:

- Speedometer
- Odometer
- Brakes: hand controlled. Magnitude altering on pushing intensity.
- Obstacle sensing

IMPLEMENTATION STEPS

Dividing tasks among 4 members.

- Designing
- RnD
- Electrical
- Mechanical
- Coding

Day 0- Day 4

RnD and designing to start off initially. Will continue throughout.

Day 5- Day 20

PROTOTYPE

Day 20- Day 35

Final RC Skates building.

Day 35- Day 40

Testing and correction.

COMPONENTS REQUIRED

- motor shaft
- fans
- tachometer
- photo diode
- printed PCB
- LED
- LCD screen
- ARDUINO
- Microcontroller
- Rubber wheels
- Material for sole

WHAT WE WILL LEARN

This will be our first step into the technical world. We will get to explore new avenues and chances which we might not get during the semesters. Working with a team of similar-minded and enthusiastic friends to create a project from scratch will ingrain values such as team spirit, organising and time management, responsibility and commitment towards a project.