# Report 28/02

## Preparations

For this session, we each had to prepare an idea and propose them to the tutors. The ideas were: ‘Acoustic levitation’ by Gauthier, ‘Car to car connection’ by Satish, ‘Smart room/noise cancellation’ by Ali, ‘RFID security’ by Daniel and ‘blockchain to achieve medical data security’ by Asif. All files except the last one are all added with our portfolio.

## This session

First of all we introduced the four ideas we worked on last week to the tutor. They advised us to drop two of them and told us to work out the three remaining ideas; ‘Noise cancellation’, ‘Car to Car communication’ or ‘RFID security’ as the blockchain idea had no electronical parts and the acoustic levitation was too small.

We started thinking more in depth about those ideas, what components we needed, how we would make it. Very quickly we noticed that no one had real intention to make the noise cancellation so we dropped that.

Out of the two remaining ideas we voted which one to work on and ‘Car to Car communication’ won so we started working out that idea

### Car to Car

The idea is to let two cars know about each other by communicating to a hub. The elaborate concept will be made in a separate report.

We tried to line out the general concepts and tasks to do in five bullets:

* Get the car to work
* Connect the car’s IC to our IC which has a wifi module to establish connection
* Choosing and programming the IC
* Setting up the pc server
* Establish connection between server and IC

## To do

For next week we decided it was highest priority we did some research on the topics. Everyone had one topic he had to do a case study on so that we can all give a brief presentation / explanation of our topic at the start of the next session. This ensures that everyone has an idea of every topic of this project

* NodeMCU : Gauthier
* Server : Asif
* Radio control: Ali
* Connection Microcontroller - server : Daniel
* RC Car : Satish