Team 14

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Meeting Details

The meeting was arranged via our Whatsapp group. We arranged to meet in Blue Lab at 8AM on Thursday the 25th of February where we brainstormed and wrote down the following ideas (all members available were present, the rest contributed via the internet):

Idea Formulation

Idea 1:
-Every car has a RFID chip/disk.
-Users manually enter which parking they have occupied at a terminal.
--This means more human work rather than hardware.
-The parking bays left over will be empty (unlikely) or illegally occupied - this allows for parking people to go check those bays.
-RFID sensor/coil on entrance to double check parking zone occupation - user can be told there are x many parking spots open (much like Cavendish).
-When they exit, scan again to book user out and indicate that bay is open.
-Manual scanner for checking car disks - could be linked via GPS to show zone or manually enter zone.
-Online database/sign in system for visualizing parking bays (and/or zones?) and booking.
-Intelligent parking suggestions.

To think about:
-Should every car that enters campus have a RFID disk? Allows to immediately fine vehicles (on student/staff account) who don't sign in at terminal.

Money Issues:
-Day by day or by year as usual?

Alternative:
-RFID coils under each bay (maybe too expensive to install, what about electronics involved etc.?)

Individual Observations

It seems like detecting which bays are occupied/unoccupied is a real challenge, as even the cheapest system will require hardware at every single bay. With roughly a few thousand bays on upper campus alone, this becomes prohibitively costly.