**Irish Senthilkumar 16342613 CT436 Ideas Journal**

1. **Aftermarket parking sensor:**

A camera sensor you put in your car behind the front windshield and in front of the rear window, which uses image analysis AI to detect if your vehicle is going to hit any objects.

1. **Turn signals on bicycles:**

You are required to use hand signals when riding bicycles, but temporarily removing your hand from the handlebars may cause you to lose balance and fall over. Having turn signals similar to vehicles, which can be activated from the handlebars, will resolve this issue.

1. **Phone charging stations:**

Similar to electric car charging stations, this is a phone booth sized machine that can charge mobile phones from all manufacturers. It should have lockers where you can store your phone while it is charging to prevent it from being stolen.

1. **Smart water bottle:**

You are required to drink two liters of water every day, but most people do not hit that target. This water bottle has a pressure sensor that can calculate the amount of water in your bottle at a given time, and can connect to your mobile phone via Bluetooth to track your water drinking patterns and hit your daily water target.

1. **Flip type phone cover with screen:**

Flip type phone covers are very popular, and the unused area on the flap facing the mobile phone screen has enough space to accommodate a screen of its own. This cover can draw power from the mobile phone from its wireless charging panel. Now you have double the screen space on your mobile phone, which is great for multitasking by having two different ‘windows’, or it can be used as a great Nintendo DS emulator.

1. **Vehicle IR camera:**

An infrared camera for the car, which can be placed behind the front windshield. The video feed can be linked to the infotainment system, which can allow the driver to see extremely far in darkness.

1. **Airport GPS:**

Similar to Google Maps navigation, but for airports. Modern airports are hard to navigate, especially for first-time flyers, and this app shows directions around the airport. It should show directions to the check-in desk and can then scan your boarding pass to show directions to the gate.

1. **Suitcase solar panel:**

An array of solar panels that can be folded into a suitcase. When you go camping, you can then have access to electricity.

1. **Parking spot vacancy light:**

A small light hanging from the ceiling over a parking spot in a multistorey car park. It will be lit green if the spot is vacant, or red if the spot is occupied by another vehicle. This will allow you to find vacant parking spots much easier than circling around the car park and looking for vacant spots.

1. **Plant pot sensor:**

A water sensor for your potted plants that detects the amount of water in the soil, which can be paired with a machine that waters the plant if it gets too dry.

1. **Stationery and office tools vending machine:**

A vending machine for stationery and office tools such as pencils, staples, and hole punchers. It can be a lifesaver when needing office tools at a very short notice during times when shops are closed.

1. **Solar powered camping tent:**

A tent with solar panels on the frame around it. This will allow you to have access to electricity outdoors.

1. **Historical images comparison app:**

An app that compares your recent images of an area with historical images of that area. It can be used to gain a better appreciation of that area’s history.

1. **Adjustable hex key:**

A hex key with sliding edges, which will vary the size of the hexagon and will therefore allow you to use this key on any hex socket.

1. **Retractable in-floor furniture:**

Furniture that lower into the floor to increase floor space when the furniture is not being used.

1. **Swiveling window:**

Instead of having a traditional glass window with a lever to open part of the window, the swiveling window rotates along its vertical axis, like a revolving door. This will significantly increase the amount of fresh air that can be let through the window and will also look more aesthetically pleasing.

1. **News mirror:**

A semi-transparent mirror that has a screen underneath it, so the user can also read news headlines while they are getting ready in the morning. This will help to reduce watching mobile phones during the morning, since mobile phones increase the risk of being late by tempting the user to do other things on the phone after checking the news.

1. **Car alarm camera:**

A camera inside your car that is connected to the car alarm, which will then start transmitting live video feed of your car to your mobile phone when the alarm has been tripped. If you have verified that the car alarm was just a mistake, you can remotely quieten the alarm to avoid it being a nuisance to nearby people.

1. **Mobile phone alarm with puzzles:**

Some people snooze/skip their mobile phone alarms in the morning, since they are half-asleep at that time and cannot bring themselves to wake up. This alarm does not any button to snooze/skip the alarm, but the only way to disable the alarm is to complete basic puzzles, like a small crossword or word search. After you do these puzzles, your sleepiness would have worn off and you can then get up from bed.

1. **In-wall extension wire:**

When fully retracted, this wall socket power output sits flush with the wall, like a traditional wall socket. However, you can pull on this socket to drag it from the wall, with a durable wire that connects it to the mains power. This will be very useful for large rooms.