SMART PARKING SLOT LOCATOR

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Abstract:

Finding an available parking place in a densely crowded urban area can be quite challenging. There may be a significant traffic bottleneck due to the lack of parking space. People waste time stuck in traffic and in parking lots. For all metropolitan communities to deal with traffic and parking problems, an automatic parking system is necessary. It's a new field, too. We introduced the smart parking slot locator in this article to assist drivers in locating available parking spaces and to decrease parking and traffic congestion. We first used calibration to divide the parking space into distinct chunks. Then, after analyzing each block, inform the driver of its availability. Then, using our smart technology, analyze each block to inform the motorist about availability, whether the block is reserved or not.

Problem Statement:

✓ Difficulty finding parking spots in public places

• Takes time to find a parking spot

• The main problem in searching for a parking space is losing time and wastage of fuel. Due to the availability of guidance, people were unknown about the vacant place. So, they are rotating around the parking place for a long time in search.

Block Diagram: