

Abstract:

Aizawl Smart Parking (Android Application) project deals with an effective way of finding parking area (including area or building under PAHOSS) and available spaces in registered area and managing the number of vehicles moving in and out in the registered and notified parking areas. This app does not require expensive equipment. This app can guide citizens to all the parking area's location.

Registered users can checkin to their desired parking area by scanning a unique QR code (generated at the time of area registration by the Authority or the Area Owners and hence identifies a particular area). User can checkout (the parking area owner or operator can also checkout any vehicle) by scanning the pre-generated QR Code. On this checkout, amount to be paid (through online or Cash) is calculated automatically with respect to the rate notified by the Authority.

For this project, Machine Learning is also integrated for forecasting Available Spaces, Amount that will be generated.