Indoor Positioning System:

* Initial model includes offline training of the system. It can be done by collecting RSSI values and MAC addresses of each WiFi Access point at a particular mapping location. As RSSI values are susceptible to environment changes, it is collected a multiple number of times and average is noted.
* After training phase, whenever a User is at a particular location, the RSSI values received by WiFi AP’s are compared with offline data stored and he receives a trigger if he’s at a particular location. Then user can upload bill, which can be used by OCR algorithm to improvise the system based on the input received from user.
* <http://www.hcis-journal.com/content/3/1/2>
* <http://www.sciencedirect.com/science/article/pii/S1574119210000416>