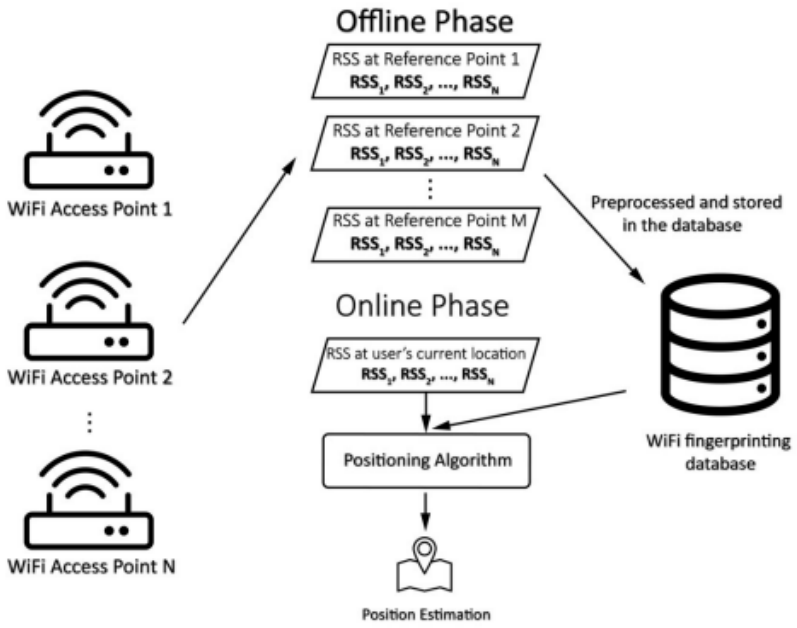
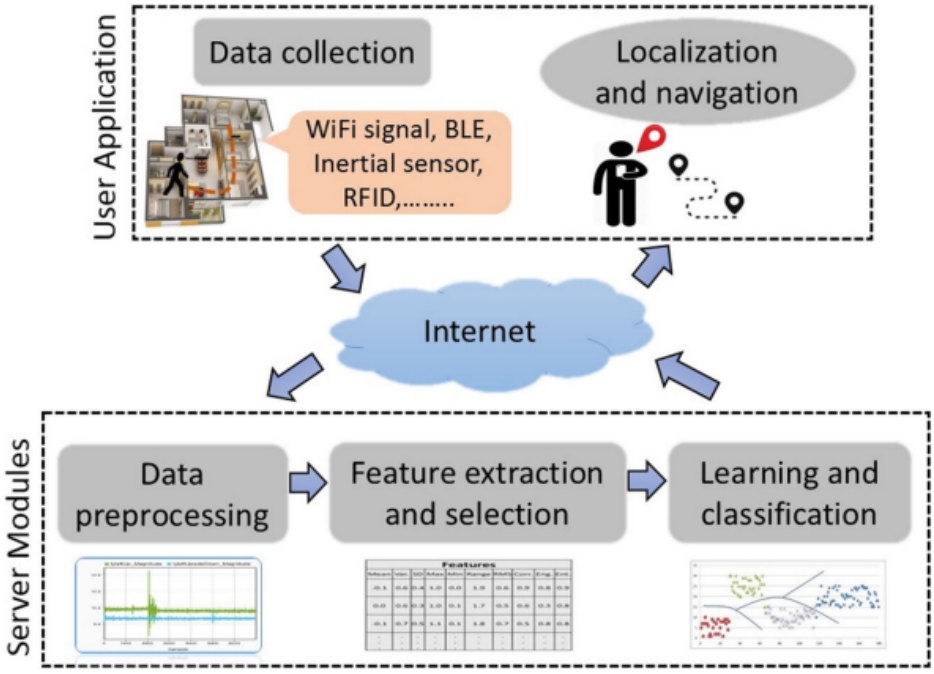
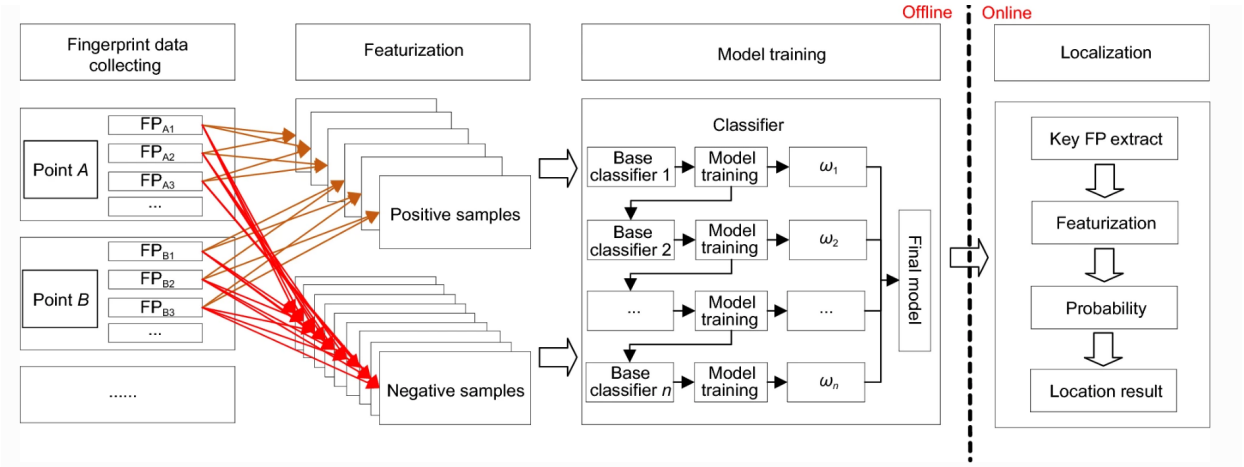
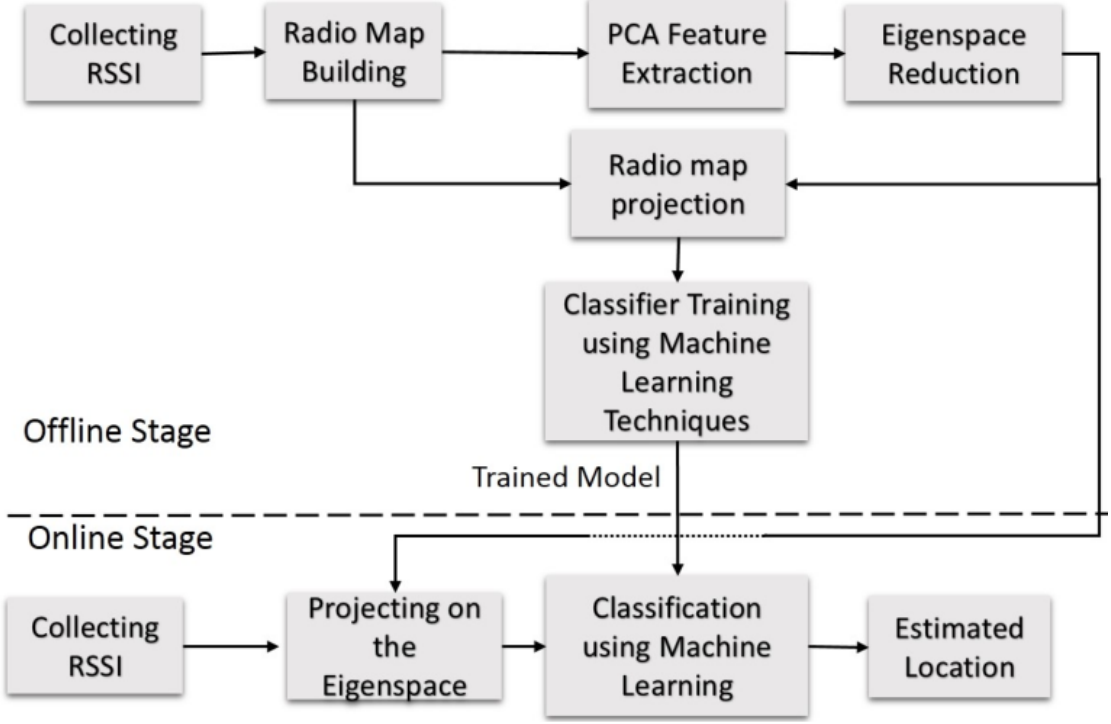
Quantum Navigation Schematic Diagram Files-






Offline
Online
Fingerprint data collecting
Featurization
Model training
Localization
Point A
FP_A1
FP_A2
FP_A3
...
Point B
FP_B1
FP_B2
FP_B3
...
.....
Positive samples
Negative samples
Classifier
Base classifier 1
Base classifier 2
...
Base classifier n
Model training
ω1
ω2
ωn
Final model
Key FP extract
Featurization
Probability
Location result


Collecting RSSI
Radio Map Building
PCA Feature Extraction
Eigenspace Reduction
Radio map projection
Classifier Training using Machine Learning Techniques
Offline Stage
Trained Model
Online Stage
Collecting RSSI
Projecting on the Eigenspace
Classification using Machine Learning
Estimated Location