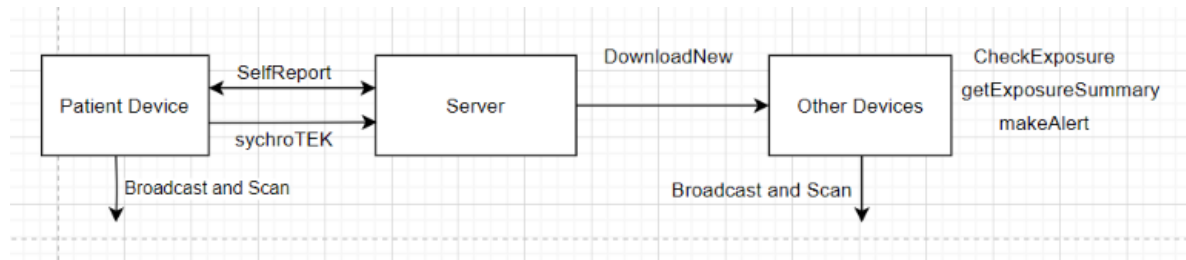


## Workflow:



## Function description:

Function	Description
Broadcasting and scan	Broadcast and scan identifiers (RPI) through bluetooth. Once onReceive function of Scan is activated, the application will call checkExposure and saveRPI.
GenerateTEK()	cryptographic random number generator. Will store TEK locally once generated. Will be called once a day
GenerateRPI()	Will be called every 15 minites. Will store RPI locally once generated.
saveRPI()	Will store a received RPI locally
selfReport()	Report to the server when the owner of the device is tested positive of corona virus
synchroTEK()	If tested positive, TEK will be synchronized with the server once generated
downloadNew()	Get newly added TEKs from server.
checkExposure()	Check if a received RPI comes from a patient
getExposureSummary()	Return the risk level of the device owner
makeAlert()	Make an alert to the user if he is in danger
getTotalExposureToday()	Return the number of total exposure today
getProlongedExpusreToday()	Return the number of prolonged exposure today