SmartNet

SMART/RG®

forward thinking

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Problem



Sending an ISP technician to a house costs a

lot of money

Would be great if technician gets it right the

first time



Solution: SmartNetwork

- Mobile diagnostic tools
 - Video Stream Analyzer (VSA)
 - Wifi speed test
 - Wifi Heatmap
- Easier mobile setup for technicians
 - Automatically connect to the SmartRG router
 - GUI Portal

What we inherited

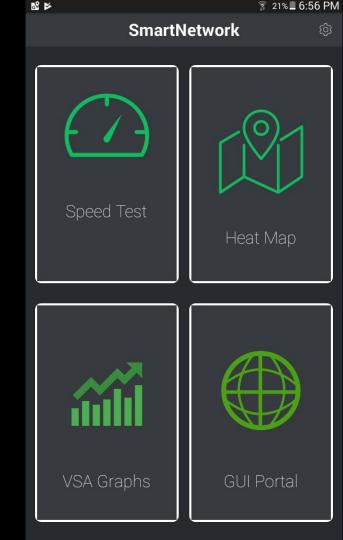
- WiFi speed tests
- WiFi heatmap (basic functionalities)
- Connect to router via Wi-Fi
 Protected Setup (WPS)

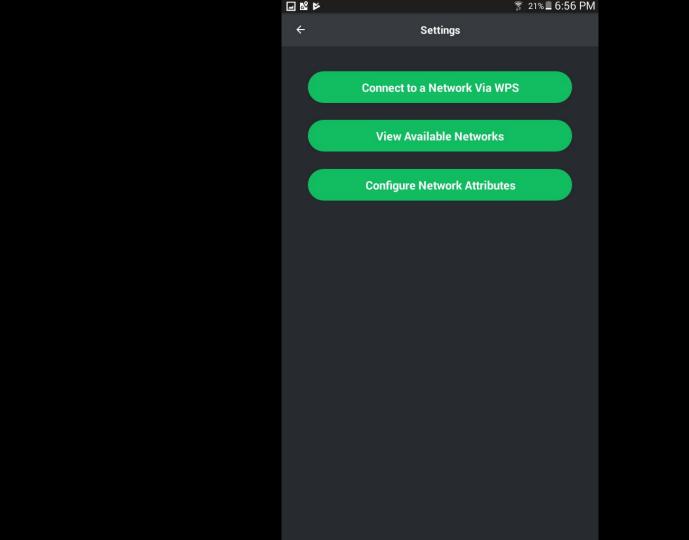
Our Goals

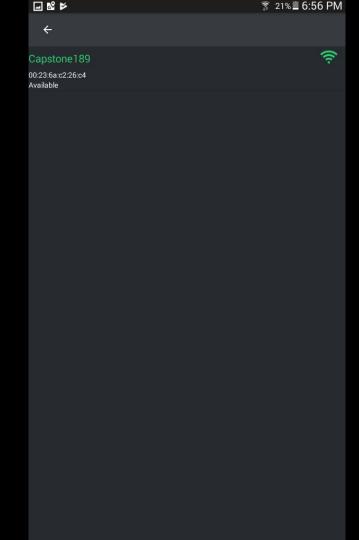
- Port VSA to Android
- Push birth certificate to router
- GUI portal
- Improve heatmap features

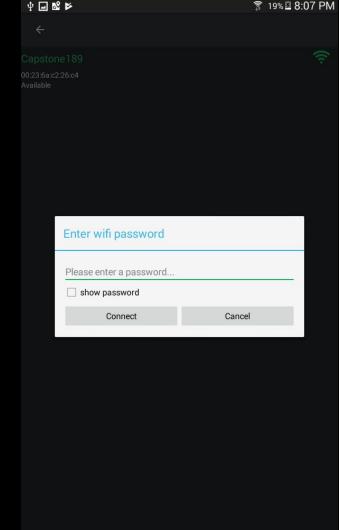
GUI Portal

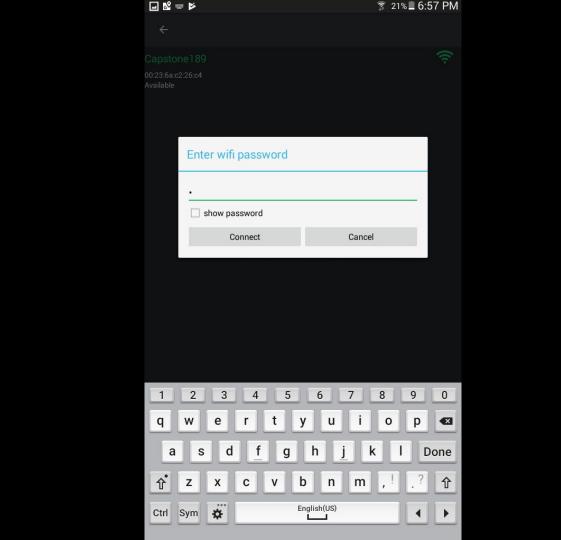
"Live" Demo

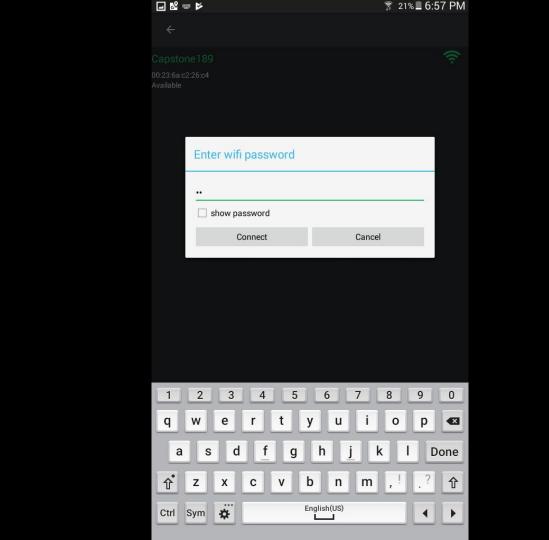


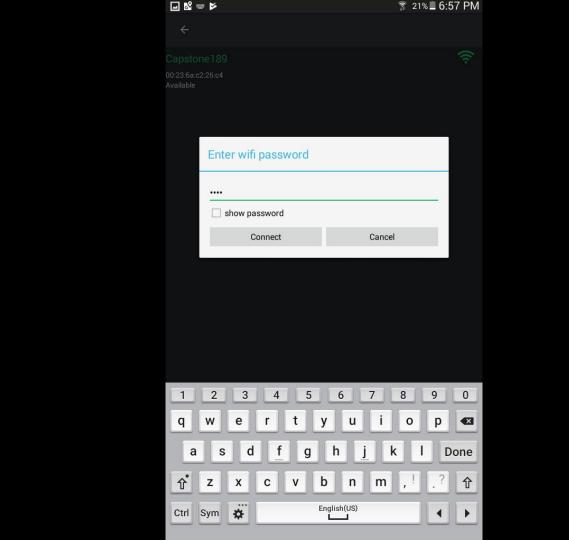


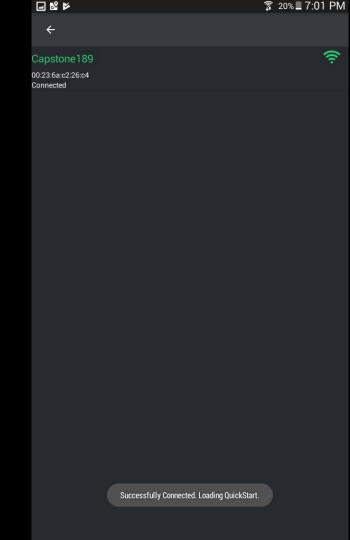


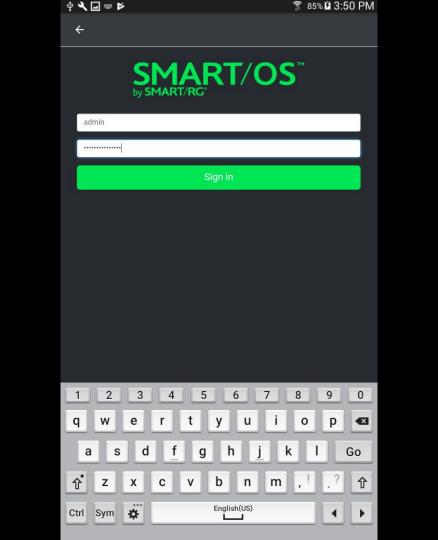


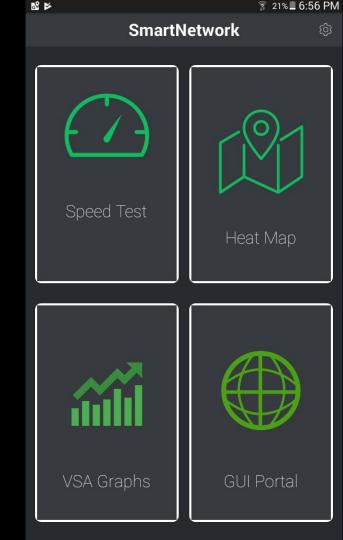




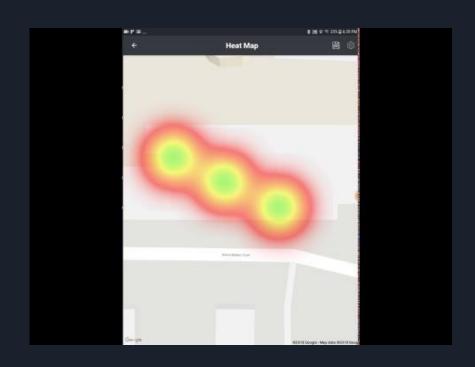








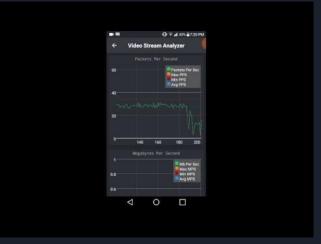
HeatMap + Birth Certificate



Video Stream Analyzer

- Metric tool
 - High bandwidth consumption
 - Requires a strong connection
- Real-time Data
 - Shows Wi-Fi network quality
- Measurements
 - Media delivery index
 - Packets per second
 - Megabytes per second
 - Errors per second





What's Next?

 Cross compare pindrops to figure out where best to place mesh extender

Questions?