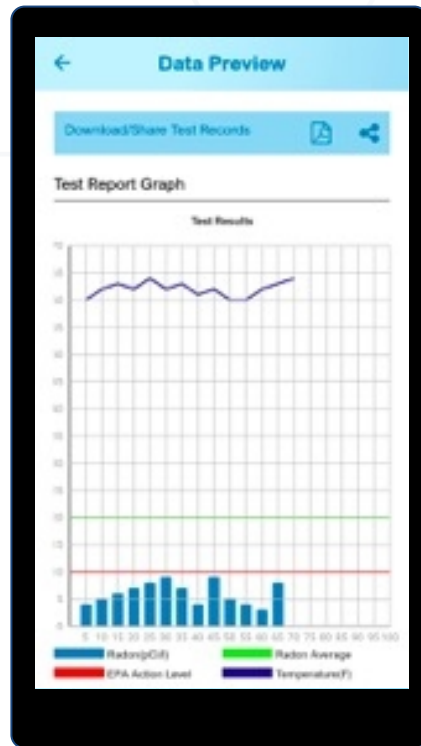


DIGITAL ENGINEERING: BUILT A MOBILE APP WITH NEXT GEN UI TO SIMPLIFY RADON TEST

TECH STACKS:



CLIENT:

Established in 1986, RTCA has radon testing kits that include a legacy radon monitoring software running on computers that need to be connected to the radon monitor cable by the com port or USB port socket of the computer for communication and testing.

CHALLENGE:

The challenge was that the computer hooked up for testing couldn't be disconnected until the test was over, which could take anywhere between 2 to 7 days.

SOLUTION:

We built a mobile (Android/iOS) application which “physically” integrates with the Radon Monitor via serial communication cable, that can be disconnected once the test begins and be connected back after the test, for results.

The data points collected can be:

- (i) downloaded from the stopped radon test, ensuring no loss of data
- (ii) represented in a graph and the report can be shared with the end client as a result of the performed test.