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### **REC Texas Instrments Online Challenge 2018**

I had selected the Nokia 3220b cellphone since it was one of the early models of phones that set the 21st century for the unprecedented widespread use of technology. Additionally, this particular phone had been lying around in my house for ages and I could finally put it to use through this exploration.

While I was taking apart the device, I encountered many interesting components. The Nokia model I was deconstructing featured a colored screen and camera. Through further research, I discovered that in fact, Nokia used the Texas Instruments application-specific integrated circuit (ASIC) component for the digital baseband. I also discovered that the memory was supplied by Samsung.

All in all, this dissection of the Nokia proved to be extremely fruitful to me. I learned so much about the phone and was surprised by how fast technology has developed only a little over a decade later.



The broken down phone with all of its components.



I was further able to dissect the display.





The back side of the circuitboard.





