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First, lets look at the fundamentals that govern the design of the analog solution. We will discuss the components, Ohm's Law and then the actual design of the circuit.

VIDEO 8.1 COMPONENTS

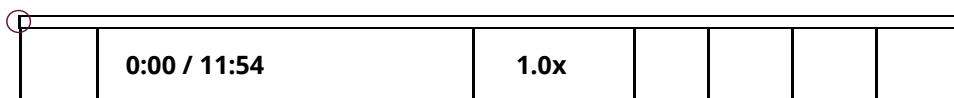
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DR. JONATHAN VALVANO: So, Professor Yerraballi,  
what do we need to build the analog system?  
DR. RAMESH YERRABALLI: We are going to build the analog system using a protoboard, a battery to power it. We're going to use an LED, which is going to be our LED that glows.  
A switch to control it using negative logic

VIDEO 8.2. OHM'S LAW AND THE ANALOG DESIGN

DR. RAMESH YERRABALLI: I will now discuss the construction of the analog system. First, we will look at some concepts that underlie the construction of such a system. We will go through a list of things. First, we look at the components that make up the system. The second thing we'll look at is Ohm's law, which tells us how voltage and current are related in elements and circuit elements. And we will do the actual circuit design.



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