



I do. I Learn...



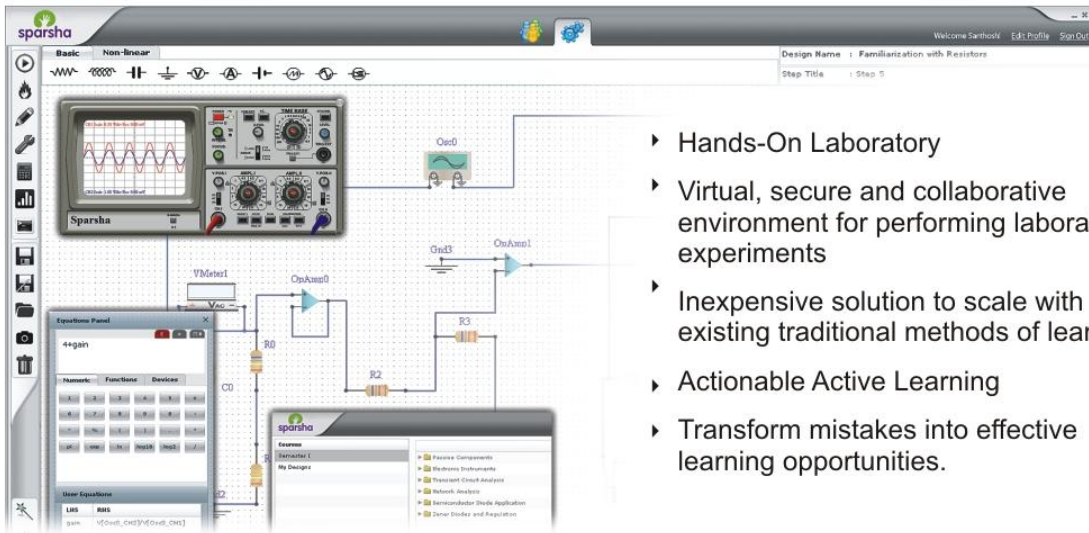
For more details Contact:

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www.sparsha-learning.com

iLearnMore for Electronics



- ▶ Hands-On Laboratory
- ▶ Virtual, secure and collaborative environment for performing laboratory experiments
- ▶ Inexpensive solution to scale with existing traditional methods of learning
- ▶ Actionable Active Learning
- ▶ Transform mistakes into effective learning opportunities.

Advantages of "virtual labs" over "simulations"

Have you ever wondered what the difference is between a virtual lab and a simulation? Both have their advantages, but Sparsha's virtual labs offer many advantages over traditional simulation methods.

1 Targeted scenarios:

Sparsha's virtual labs are designed with clear tasks to target the skills students need to master. Simulations just provide an environment but no instructions about what the student is expected to complete.

2 Restricted operations:

Virtual labs let students practice things in a controlled environment as opposed to simulation, where anything and everything is possible. This helps the students learn the various limitations that often occur in real life scenarios. For example, power rating feature of our virtual labs enables students to see when the components would get burned.

3 Progress reports:

iLearnMore enables task-by-task scoring with detailed report generation. The same can be added to the student progress record where they can be easily tracked.

4 Misconfiguration:

Virtual labs identify the various mistakes done by students, and suggest how to correct them. This is a huge advantage over simulations, as correcting one's own mistakes improves the student learning and satisfaction.

View "iLearnMore" demo and try out product,
please visit: www.sparsha-learning.com/iLearnMore

Salient features

Course

1

Application

If we were to install a second telephone line to accommodate another pair of people talking to each other, it certainly would work, but it might be expensive to do so because of the cost of wire over the long distance:



Problem



- Design a filter that will keep the 'signal' and reject the 'noise'.
- Assume circuit load to be 100k.
- How would your circuit change if the circuit load was 10k instead of 100k?

- ▶ 200+ experiments covered
- ▶ More than 100 applications
- ▶ Pre-designed circuits available
- ▶ Customizable course content as per curriculum

Virtualization

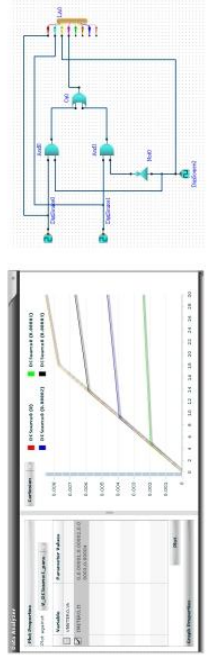
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- ▶ Virtual devices like function generator, dc source, logic probe and much more.
- ▶ Real component modeling
- ▶ Circuit debugging features
- ▶ Power analysis and ratings

Simulation

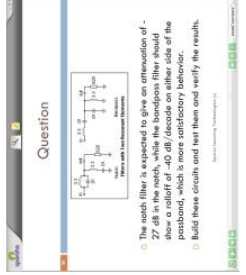

2



- ▶ Circuit simulation and modeling
- ▶ Multiple domain analysis including advanced sweep analysis
- ▶ Equations, plots and graphs

Course management

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- ▶ Auto lab report generation
- ▶ Easy integration with LMS
- ▶ In-built assessments and analysis.

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