INTRODUCTION

Caption type: Virtualizing reality.

Or

Definition type: Creation of a virtual space for getting the real world response of a system for different stimuli

Simulim is an event involving use of softwares like simulink, pspice etc to perform simulations on Electrical systems or other systems that can be converted to an equivalent electrical system. The event aims to virtualize the large and complex systems for the proper understanding of the systems and perform modifications on the systems by finger clicks which is impossible in the real world. The event provides an opportunity to study the characteristics of a system not existing in the real world, which is very important in terms of capital and time investment. Once a system yields desired results in virtual environment it can be incarnated in the real world.

EVENT STRUCTURE

Phase 0. A series of three workshops will be conducted and an assignment will be given following every workshop.The problems will be uploaded on the prastuti facebook page. The submissions will be taken only within 24 hours. External participants will be notified through email.

Phase 1. The selected participants based on initial phase evaluations will be allowed to take part in the further stages of the event. In this phase, the participants have to simulate a set of problems based on basic concepts of electrical circuitry and mathematical equations modelling using appropriate simulation software like MATLAB (SIMULINK), PSPICE and PROTEUS. This phase is for checking the fundamental concepts of the participants.

Phase 2. In this phase, the participants have to simulate a set of complex problems based on electrical and electronic circuitry and various electrical and electronic devices.

RULES AND GUIDELINES

Rules

* Participants should be registered graduate/undergraduate students of an accredited institute. Participants from different institutes can be a part of a single team.
* Maximum number of members allowed in a team is two.
* Please register yourself on the prastuti website.
* Participants are required to carry their own laptop and peripherals as required.(Power supply and charging points will be provided by the event co-ordinators).
* Organizers are not responsible for the failure of devices during display and no benefits/relaxations will be provided in such circumstances.

JUDGING CRITERIA

The best answer to the problem is considered on the basis of speed and accuracy. Organizers reserve all rights regarding the declaration of winner. No objections in this regards will be entertained.

CONTACTS

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