



**Gokaraju Rangaraju Institute of Engineering and Technology
(Autonomous)**

Report of the Event

Title of the Event: Two-Week ISTE STTP On “Electric Power System”

Organized Date: 12th June 2017 to 15th July 2017

Summary:

Electrical Power System is a core course for any undergraduate programme in Electrical Engineering. It is expected to be the first course on this topic and is typically meant for participants who already have some introductory knowledge of Electric Circuits, Electric Machines and Control Systems. The course shall cover the basic foundations of Power System Analysis, which can be used to assess effective Electric Power Delivery in practice. An awareness of available software tools for the purpose. Need for renewable energy resources will also be brought out. Participants are exposed to usefulness of employing ICT in developing smart grids. Through this course a participant is expected to be able to learn to properly identify as to what comprises an Electric Power System, examine its inherent complexity and explore different ways to develop an algorithmic solution by analysing the various alternatives to finally develop a good practical solution that is supported by logical and theoretical justification.