

### Objectives and Course Content of Short Term Courses

<b>O. Plan No.</b>	EE-25
<b>Name of Course</b>	Laboratory Practices on Electrical Machines and Instrumentation
<b>Objectives</b>	<p>This training programme is specially designed for Engineering College, polytechnic teachers and technicians and it mainly deal with the different laboratory experiments on Electrical Machines and Instrumentation. The course aims to:</p> <ul style="list-style-type: none"> <li>- Update the practical knowledge in the subject area.</li> <li>- Make the teachers conversant with different practical aspects of Electrical Machines and Instrumentation.</li> </ul>
<b>Course Contents</b>	<p>The programme will be designed around the following major topics:</p> <ul style="list-style-type: none"> <li>- Generalised theory of Electrical Machines,</li> <li>- Conduct of different practical experiments of various types of Electrical Machines,</li> <li>- Concept of sensors, transducers, data acquisition, virtual instrumentation, process control</li> <li>- Conduct of different practical experiments on sensors, transducers, data acquisition, virtual instrumentation, process control</li> <li>- Introduction to LabVIEW and Real time interfacing</li> <li>- Preparation of some good mini projects</li> </ul>
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