

### Objectives and Course Content of Short Term Courses

<b>O. Plan No.</b>	EE-13
<b>Name of Course</b>	Projects on Electrical and Electronics Engineering (In collaboration with Advanced Technology)
<b>Objectives</b>	<p>This training programme designed for Engineering &amp; Polytechnic teachers, will mainly deal with various types of projects in Electrical and Electronic Engineering subjects, which the students can take up during their course of study.</p> <p>The course aims to:</p> <p>(i) Update the knowledge in the emerging and upcoming topics in this area.</p> <p>(ii) Make the teachers equipped with the relevant practice based projects.</p>
<b>Course Contents</b>	<p>The programme will include familiarization of various new projects, in the topics of Electrical, Electronics and Computer Engineering such as Power Electronics, Microprocessors, Electrical circuit design using excel, etc.</p> <ul style="list-style-type: none"> <li>- Circuit simulation in Proteus</li> <li>- Implementation of small projects using Arduino / Raspberry pi boards.</li> <li>- Implementation of IOT based projects.</li> <li>- Implementation of projects interfacing MATLAB with Arduino and LabVIEW with Arduino.</li> </ul>
<b>Course Coordinator, email address and phone number</b>	<p>Dr. Shimi S.L  <a href="mailto:shimi.reji@gmail.com">shimi.reji@gmail.com</a>            9417588987</p>