

# Understanding Basic Concept of Electrical and Electronic Systems

Asadullah Shah



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# **UNDERSTANDING BASIC CONCEPT OF ELECTRICAL AND ELECTRONIC SYSTEMS**

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**Editors**

Asadullah Shah



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# 10. SOLDERING IRON PRACTICE

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## 10.0 Abstract:

All electronic components passive or active operate effectively in circuits and systems. Once these components are connected physically to operate in systems they are soldered and fixed using soldering iron and wire. The soldering iron is used to melt the soldering wire so quickly once placed at any location on the Printed Circuit Boards known as PCB's. Advancements in technology has reduced the usage of the soldering Iron for circuit board designs but it is important that students must know about who to operate such a simple but quite important circuit building tool.

## 10.1 Introduction:

Read the soldering iron basics and precautions and solder the given component on board

Basic Concepts:

The soldering is the basic work for electronic circuit engineering. The sufficient attention is necessary during work, because soldering handles a high temperature.

**Soldering** is a process in which two or more metal items are joined together by melting and flowing a filler metal into the joint, the filler