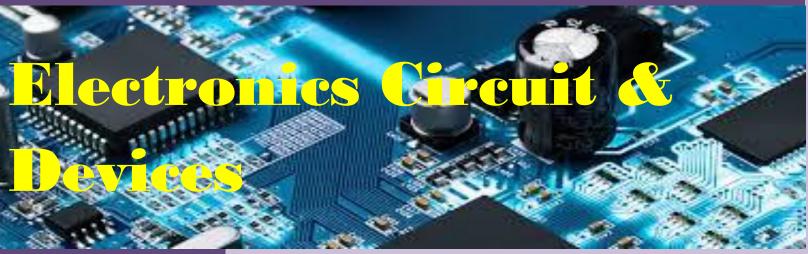


NIELIT Chandigarh



About NIELIT

NIELIT is an autonomous Scientific Society under the administrative control of Ministry of Electronics & Information Technology (MeitY), Government of India. NIELIT Chandigarh was established in 1978 to provide professional services in the areas of Information, Electronics & Communication Technology (IECT). NIELIT Chandigarh is engaged in development of industry oriented quality education and training programmes in the state-of-the-art areas.

About Course

The course will bring the concept of Electronics devices, analysis and circuit designing. In this include the study of device characteristics and applications of p-n-junction diodes, rectifier, clipper, and clamper. Implementation of electronics circuit using simulation tools

Course Objective

The learner will learn the electronics components and electronics circuit Designing. Further, the learner will able to learn simulation of electronics circuit.

Brief Contents

Introduction to Electronics

- Evolution of Electronic Devices and Integrated Circuit, Applications of electronics
- Need and application of electronics in different areas,
 Concept of active and passive devices

Semiconductor Devices

- Intrinsic and Extrinsic Semiconductors, conductivity of semiconductors and its temperature dependence
- Structure, principle of operation characteristics and applications of PN-Junction

- o Rectifier, Clipper, Clamper, Power Supply
- Circuit Simulation using Proteus VSM

Case study

- Working of a 5V Digital Power Supply circuit
- Usage of Transformer
- Working of rectifier circuit
- Usage of capacitor as a filter
- Regulator
- Introduction to PCB designing using OrCAD

Eligibility

Knowledge of Computers

Fee

Rs.600+ GST

Duration

1 Week

For further details, Contact:

Facility at Chandigarh

IETE Building, Sector 30-B, Chandigarh 160030 Phone: 0172-2650121, Mobile: 8988377112

Email: training.chd@nielit.gov.in

Permanent Campus

Bada Phull, Birla Farms, Ropar-140001

Phone: 01881-257005,

Mobile:7087235351,7009304181,7087235355

Visit: www.nielit.gov.in/chandigarh