

About Experts

Mr. Amit Mondal

Control system & Instrumentation Engineering
4 years academic & research experience.

Mr. Siddhartha Chakraborty

Power Engineering
5 years academic & research experience.

Mr. Chinmoy Chakraborty

Power System Engineering
10 years industrial, academic & research experience.

Mr. Himadri Sekhar Chatterjee

Power Electronics & Drives
12 years academic & research experience.

Course Is For

ITI, Higher Secondary, Diploma and B.Tech Students

Registration Fees

Rs 200 /-

Course Highlights

- 5-day tailored course focusing on fundamentals of electrical circuits.
- Learn the art of designing and troubleshooting electrical circuits, using resistors, capacitors, and inductors.
- Enhance your career prospects by acquiring the necessary knowledge & skills.
- Course delivery by experts with rich experience.
- Certificate on successful completion.

Contact:

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8900311479

Registration



<https://forms.gle/KQEz138NSDjsoLp6A>

<https://icampus.setgoi.ac.in>

Short Term CERTIFICATE COURSE

Circuit Spark: MASTERING THE FUNDAMENTALS OF CIRCUITS



DEPARTMENT OF ELECTRICAL
ENGINEERING
Sanaka Educational Trust's
Group of Institutions
Malandighi, Durgapur-713212

Day 1

Kickoff to Electrical Engineering !

Kick off with an overview of the workshop, explore our state-of-the-art facility, and get introduced to the fundamental concepts of Electrical Engineering to set the stage for the exciting days ahead.

Day 2

Tools of the Trade & Circuit Creation !

Explore essential instruments like voltmeters and oscilloscopes. Build and test basic circuits on a breadboard, applying Ohm's Law to measure and compare theoretical and actual values.

Day 3

AC vs. DC: Power Showdown !

Explore the key differences between alternating current (AC) and direct current (DC) through hands-on experiments. Set up and analyze circuits with both types of power and use an oscilloscope to visualize how components like resistors, capacitors, and LEDs react to AC and DC voltages.

Day 4

Mastering Power !

Explore three-phase power with star and delta connections, and measure power using specialized equipment.

Gain hands-on experience with energy meters and learn to calculate energy bills.

Day 5

Machines & Transformers Unveiled !

Explore the inner workings of DC, Induction, Synchronous machines with hands-on demonstrations. Delve into how transformers operate and their crucial role in power distribution.