

Department of Electronics & Communication Engineering

Training on Basics of Electronic Components

Department of Electronics & Communication Engineering, SISTec, Ratibad administered the “Training on Basics of Electronic Components” in January 2019. The Training was organized for 1st year Electronics & Communication Engineering students is to familiarize with basic electronic components and their functions within a circuit.

Duration - The training was conducted for 4 days.

Basics of Electronic Components Training: The Basics of Electronic Components Training is planned to give a brief overview of common electronic components and explain what their functions are.

S. No.	Topic	Duration (in hours)
1	<p>The session has started with the introduction of branch “Electronics & Communication”. It included the basics of Electronic components i.e. R, L, and C. Color coding and value identification of R, L, and C. Further the training module covered:</p> <ul style="list-style-type: none"> • Series & Parallel connections of R, L, and C. • Overview of breadboard and different combination of R, L, C using it. • Applications and component testing using Multi-meter. • Demonstration and practical application of CRO and Function Generator. • Introduction about the active electronics components. • Overview to Semiconductor theory and PN junction diode. • Applications of Diodes and its types like, Zener diode, LED etc. • Practical based on small circuits such as LED glow, half wave rectifier, centre tapped full wave rectifier, Bridge type full wave rectifier and Clippers. • Explanation of modes, operation, applications and configuration of Bipolar Junction Transistor (BJT). • Explanation of DC Power supply. 	24

List of Students benefited from this Training Program

S.No.	Enroll. No.	Name Of Student	Semester	Branch
1	0536EC181001	Farhad Naaz	II	Electronics & Comm.
2	0537EC181001	Ajay Purbiya	II	Electronics & Comm.
3	0537EC181002	Aman Baghel	II	Electronics & Comm.
4	0537EC181003	Ankit Mehra	II	Electronics & Comm.
5	0537EC181006	Mohit Sendhav	II	Electronics & Comm.
6	0537EC181008	Nisha Jatav	II	Electronics & Comm.
7	0537EC181009	Nitin Vishwakarma	II	Electronics & Comm.
8	0537EC181010	Rajnish Singh	II	Electronics & Comm.
9	0537EC181012	Ritu Ahirwar	II	Electronics & Comm.
10	0537EC181013	Sanjay Sondhiya	II	Electronics & Comm.