

# What is electronics

What is electronics?

Electronics refers to the branch of science and technology that deals with the behavior, control, and movement of electrons in various devices and...

How does electronics work?

Electronics operates by manipulating the flow of electrons through materials such as conductors, semiconductors, and insulators. Electric currents...

What are electronic components?

Electronic components are basic parts used to build electronic circuits and systems. These include resistors, capacitors, inductors, diodes, transi...

What is the difference between analog and digital electronics?

Analog electronics deals with continuous signals and quantities, while digital electronics deals with discrete signals represented as binary code (...)

What are some common examples of electronic devices?

Common electronic devices include smartphones, laptops, televisions, radios, microwave ovens, digital cameras, calculators, and GPS systems. These...

Pulse Position Modulation is another kind of important modulation technique used in electronics communication system apart from amplitude and phase modulation. In this article, we will discuss what is pulse position ...

Electronics starts with defining electronics and learning fundamental terms like voltage, current, power, and Ohm's law. Then, we learn about basic components like resistors, capacitors, diodes, transistors, LEDs, ...

Power electronics is the technology for efficient conversion, control, and management of electric power and to control the flow of electrical energy. Power electronics are used in everything from laptop chargers to inverters ...

History of Electronics Dates back to 1745 with Invention of the Leyden Jar followed by identification of electron in 1897 and then invention of the vacuum tube. Here I will briefly describe history of electronics from 1745-2021 ...

Learn the basics of electronics, such as electricity, current, voltage, circuits, components, and PCB design. This guide covers the history, terms, formulas, and examples of electronics for beginners.



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Electronics, branch of physics and electrical engineering that deals with the emission, behaviour, and effects of electrons and with electronic devices. Electronics encompasses an exceptionally broad range of technology. The ...

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What is Electronics and Instrumentation Engineering? Applied Electronics and Instrumentation Engineering is a high-level engineering discipline that deals with the application of existing or known scientific knowledge in ...

Your All-in-One Learning Portal: GeeksforGeeks is a comprehensive educational platform that empowers learners across domains-spanning computer science and programming, school education, upskilling, commerce, software ...

Electronic components are the building blocks of all modern electronics devices, from the simple calculators to the most advanced computers. Understanding these components is crucial for anyone interested in ...

What is Digital Electronics? Digital electronics is a branch of electronics that deals with circuits, devices, and systems that use digital signals. Unlike analog electronics, where signals vary continuously, digital electronics ...

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