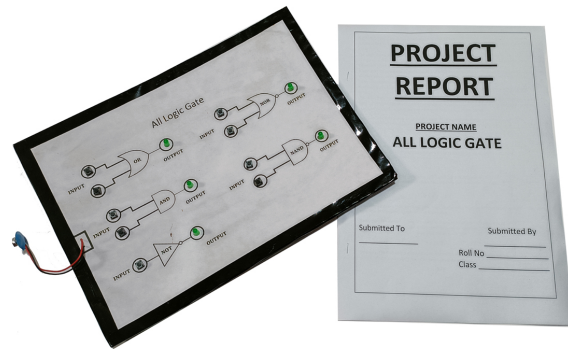


All Logic Gate Experiment



Kit Includes:

- **Project Kit**
- **9V Battery**
- **Print Short R**

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Highlights Brand

- No Brand Name PCB & Projects
- 100% Working
- Tested Project

Documentation

- Printed Short F
- Printable Soft c

Support

- Demo Video –
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SKU: PH_SPE_01

Price: ₹416.00 Original price was: ₹416.00. ₹245.00
Current price is: ₹245.00.

Stock: instock

Categories: [Electronics](#), [Logic Gate](#), [Physics](#), [Projects](#), [School Project & Experiment](#)

Tags: [class 12th science project and experiment](#), [logic gate](#), [new science project](#)

Product Description

About Project:

"Unleash the power of logic with our All Logic Gate Experiment Kit – the ultimate companion for school science exhibitions and physics experiments! Designed to ignite curiosity and foster a deep understanding of logic circuits, this comprehensive kit equips students with hands-on experience in building and experimenting with various logic gates. From AND and OR gates to NOR and NAND gates, this kit covers it all, making it an ideal choice for budding scientists and future engineers. Boost your school's science exhibition with a captivating showcase of intricate logic circuits and inspire a new generation of problem solvers. Get ready to witness the excitement of discovery and innovation with the All Logic Gate Experiment Kit – where learning meets experimentation!"

What are Logic Gates ?

A gate is defined as a digital circuit which follows some logical relationship between the input and output voltages. It is a digital circuit which either allows a signal to pass through as stop, it is called a gate. The **Logic Gates are building blocks at digital electronics**. They are used in digital electronics to change on voltage level (input voltage) into another (output voltage) according to some logical statement relating them. A logic gate may have one or more inputs, but it has only one output. The relationship between the possible values of input and output voltage is expressed in the form of a table called truth table or table of combinations. **Truth table** of a **Logic Gates** is a table that shows all the input and output possibilities for the logic gate. These are important digital devices that are mainly based on the Boolean function. Logic gates are used to carry out logical operations on single or multiple binary inputs and give one binary output. In simple terms, logic gates are the electronic circuits in a digital system.

Application of Logic Gates

Logic gates have a lot of applications, but they are mainly based upon their mode of operations or their truth table. Basic logic gates are often found in circuits such as safety thermostats, push-button locks, automatic watering systems, light-activated burglar alarms and many other electronic devices. One of the primary benefits is that basic logic gates can be used in various combinations if the operations are advanced. Besides, there is no limit to the number of gates that can be used in a single device. However, it can be restricted due to the given physical space in the device. In digital integrated circuits (ICs), we will find an array of the logic gate area unit.

Working Video:

Disclaimer

This is a handmade complete working Models, Projects & Activity kits supported by rough study material to make a suitable projects report by the student. It is using Cardboard/Wooden base, Paper, Foam based board, stationary items, Electronic-Electrical Components, Mechanical & Scientific goods as per the requirement of a particular model. Colour of product and decoration item may be varying according to availability of material but we make ensure that we will deliver the product with same working, structure and dimensions as describe in product description section.
