	S J P N Trust's	**ECE Dept.**
	Hirasugar Institute of Technology, Nidasoshi.	**Academic**
	Inculcating Values, Promoting Prosperity	**Teaching Aids**
	Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi	
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Pedagogical Teaching Aids

Sem: II   Subject : Introduction to Electronics & Communication Subject code: BESCK204C

Model/Kit Title: Basic Gates and Universal Gates

This Basic Gates and Universal Gates used as a teaching aid to teach II sem students for the subject Introduction to Electronics & Communication (BESCK204C) for the topic Digital Logic Gate from module-3 Boolean Algebra and Logic Circuits:

Description:
Basic Gate:Basic gates in digital logic, like AND, OR, and NOT gates, perform fundamental Boolean operations on binary inputs (0s and 1s). They form the building blocks of digital circuits, enabling logical computations and data processing in electronic devices.
Universal Gate:Universal gates, such as NAND and NOR gates, are capable of implementing any Boolean function.

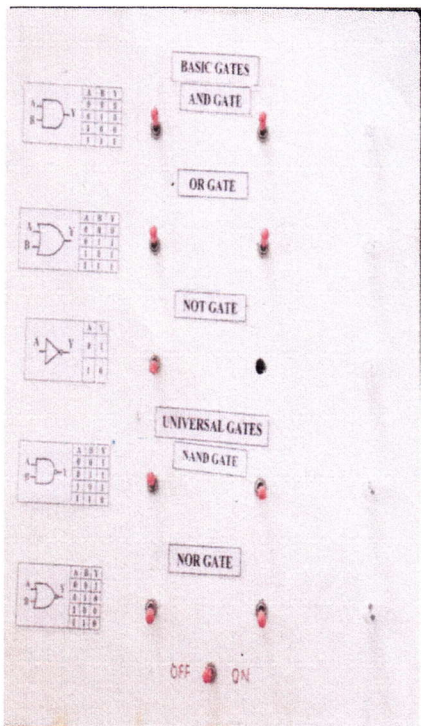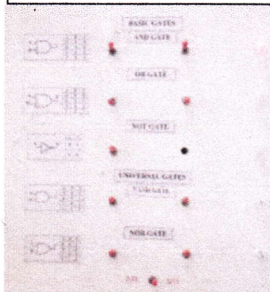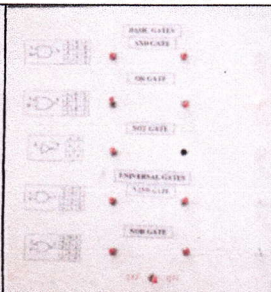**Outcome:** This model will help students to understand the operation of Basic Gate and universal gate operations
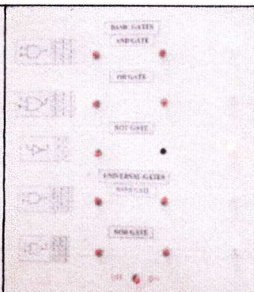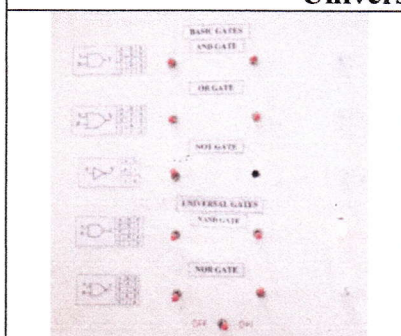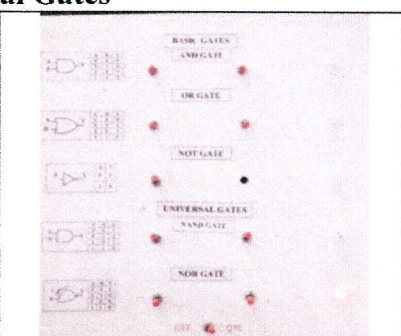
Basic Gates		
Fig 2.AND Gate	Fig 3.OR Gate	Fig 4.NOT Gate
Universal Gates		

Fig1.Basic Gates and Universal Gate Model	Fig.5.NAND Gate	Fig.6.NOR Gate

Fig.1 to 6. Basic Gates and Universal Gate operation images

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