## **CSE260 Lab Report**

**Experiment Name: Familiarization of fundamental logic gates.** 

Submitted by

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Section: 09

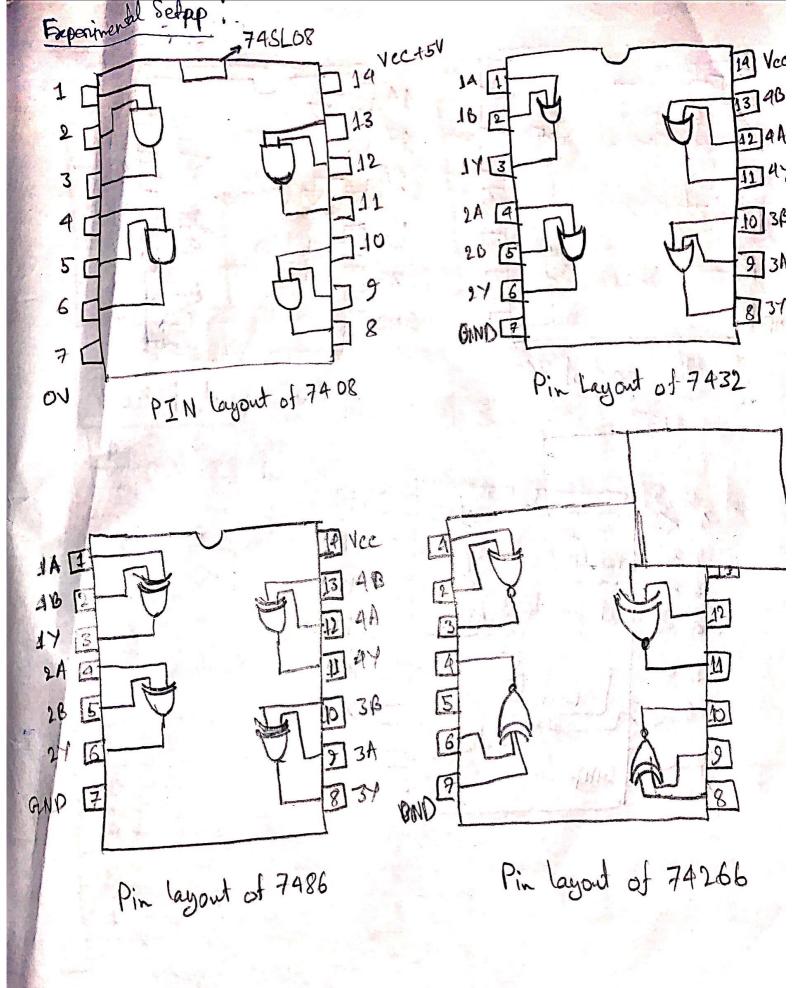
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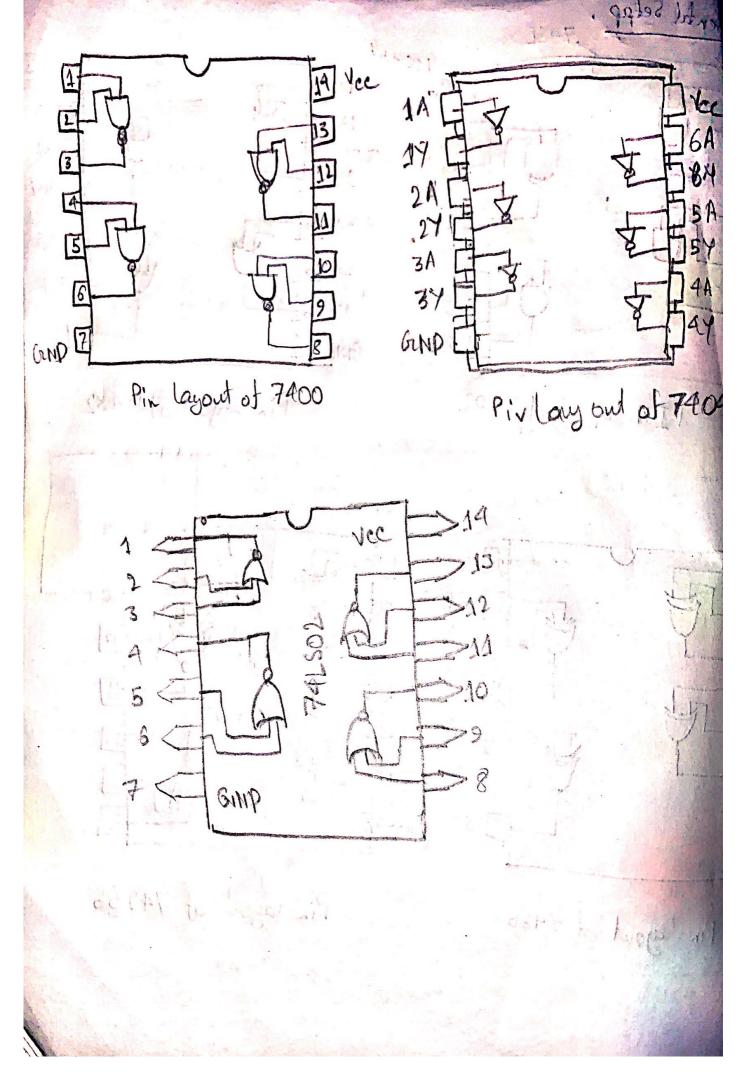
Name of experiment. Familiarization of fundamental logic gates.

Deject: Object:

1 To get familiarised with fundamental logic gested and demostrate the input output relationship of 2-input AND (IC-7408'), OR (IC-7432) and NOT (IC-7404) gades by constructing their truth table A To got familiarized with other logic godes like NAND (IC-7400), NOR (IC-7402), XOR (IC-7486) and XNOR (IC-74266) W00001 Required components: \* LED - PURPLE \* LOGIL STATE XLED - YELLOW & AND \* LOGICPROBE ALBO-RED. \* OR X CED-BLUE \*NOT \* LED-GREEN X WOR & LED - ORANGE AND AND \* LED - PINK

& XOR





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XOR

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much Tobo. Discussion. By observing the truth table we carn see that, every gate needs two inputs except NOT which needs only one input: NAND gade is the combination of AND gettel and NOT gate and NOR gate is the combina of # OR gate and NOT gate and \$ XOR gate is the com and NOT gode combine to turn into XNOR geste : JUAN