X	Digital Electronics and Logic Design (DELD) - Practical Number - 1.
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	Batch: - Department: - lomputer Department lollege: - AISSMS's IOIT
	lollege: - AISSMS's IOIT
	Title:- lontent to bridge the gap, Logic gates.
	Aim:-
	Sim:- To realize Logic gates and there working.  Al: 1:
	Objective:
	Objective: - Theory: -
	Theory:-
1	Little gales:-
	logical decision based on combination of digital/electronical
+	Logical decision I based on combination of digital/electronical signals present on its input.
1	Types of Logic Gates:-
1	
1	DNOT 2 AND 3 OR 4 NAND 5 NOR 6 EX-OR 7 EX-NOX

Gate Name	Yate Symbol	Truth Table	Description.
NOT		Input A Dutput	Also known as Inverter gate.
AND		Input A Input B Dutnut 0 0 0 0 1 0 1 0 0 1 1 1	Dutput is 1 only if all irputs are 1 JAND gates can have two, three, or more inputs.
OR	<b>D</b> -	Input A Input B Dutput  O O O  O 1 1  1 0 1  1 1 1	dutput is s if either of the input are s. Dutput is Donly if Motoral inputs are o. Ven have more than 2 inputs.
MAND		Supata Supato Dulput. O 1 1 1 0 1 1 1 0	NAND gete also known as NOT-(AND) as it is opposite of AND, As its output is 1 if all inputs are not 1, lan have more than one inputs.

July	1	Symbol	Iruth Ja	ble	Description.	
100	W/IL	o symbol				
			Inputa Input	3 Autrut	NAND got also known as NOT-	
		1		1	AND Cas it is opposit of AND	
NA NA	IND	1 1	0 1	1	As us output is I if all	
			1 0	1 0	inputs are not s. lan have	
			1 1 1	101	multiple inputs.	
			Input A Input	3 Auntat	NORgal also know as NOT-OR	
		T	0 0	1	as lit is opposit of OR its	
No	OK	10	0 1	0	output is 3 if all injuts	
			1 0	0	are O. las have multiple	
			1 1		inputs.	
			Inputa Input	B Dutput	EX-OR also known as Exclusive	
1	00	TH			ORgate, its output is only 1	
EX-	-OR	11	0 1	1	ORgste, its output is only 1 if either of inputs clare 4, but 0 when both are	
			1 1	0	Some or all inputs are same	
		A Part			work seem sque vasione	
				10		
			Input A Input	B Dulpat	EX-NOR also known as Exclusive	
C.	NOO	AM	0 0	1	NOR god, its output is I only if all inputs are some. I lan have multiple inputs.	
EX-	NOR	11/2	1 0	10	Man have muttale input	
				1	real nave manager infills.	
	-	The state of the s	The state of the s	DESCRIPTION OF THE PROPERTY OF THE PARTY OF		

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