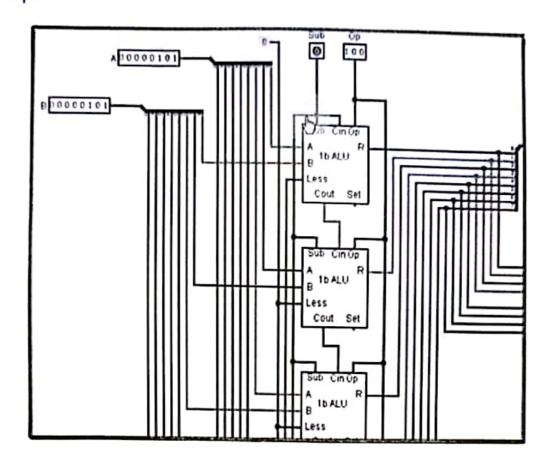
Computer Organization

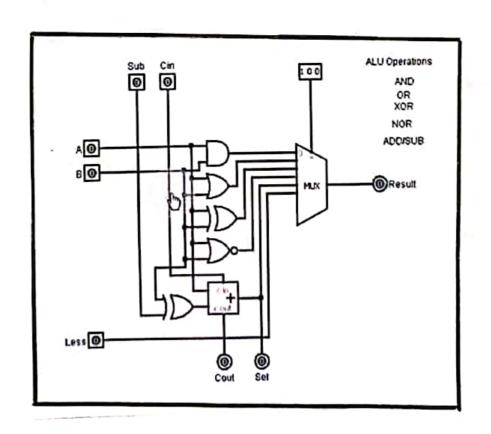
I Activity origining an Adu to prejoin animmetre and logical functions using dogum simulator

diet but the steps in designing Adu

- 1) Add the time i/p fines Name them A and B
  - 2) Add or, and, ex-or, not gates and a 1-bit adder.
  - 3) Connect the A's and B's of all the gates to union respective pins.
  - 4) Add an output pin and name it Ruth
  - 5) Add of bit multipliers with 3 alid bits
  - 6) Connect outputs of all the gates to the mus.
  - 4) convect 3- bit input pin to mux
  - 8) Add i/p pin to Cir and output pin to Cous
  - 9) Add an ex-or gate connect its o/p to Cour In fruit i/p must to connected B and the second to another i/p pin aub.
  - 10) Add another i/p and name it due connect it to the mux.
  - 11) Add an output pin and name it see, connect it to the multiplicar o/p of adder circuit.

## Snapshok.



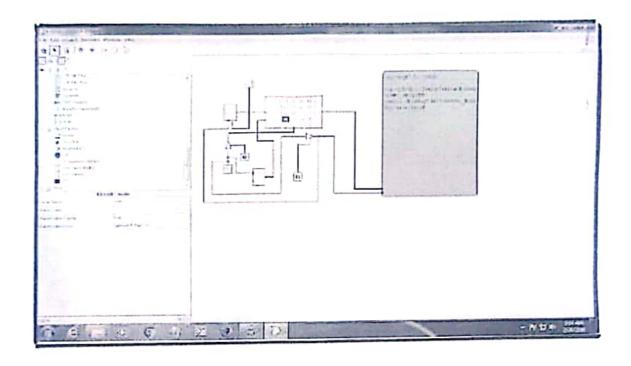


Activity II: Ouigning memory Eystern ving acquim

diet out me steps in durigning meniony system:

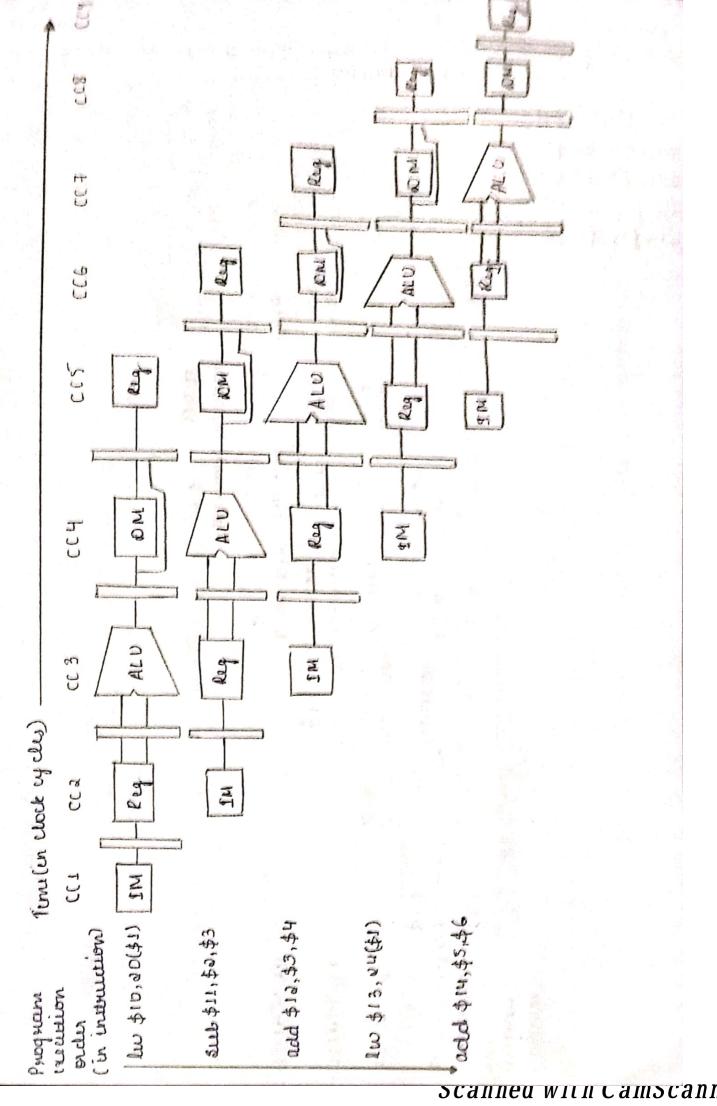
- I Add a RAM with supercite wad and store selected.
- a Add a counter and connect 9 to A of the RAM
- 3 Add a controller buffer and connect its of to RAM.
- 4 Add a clock and connect to the i/p of the buffer.
- s Add a TTY unit with 20 slows and when the connections with RAM
- 6 Add a I-leit nundom rumber generator, connect of to O.
- I Add another convolled buffer, connect to TTY Also add
- 8 Connect the output of second buffer to the counter.
- q. Consult a button to the count or.

## Anapshots:



Activity III with diagram dimonitrate inequation of fole insulations using pipeling technique.

	P	call	uoj it	cruuq	ional .		-
out \$10,00(\$1 and \$10,40,\$3 add \$10,\$3,\$1	)	53					hrite back
Lu \$13, 24(\$1) add \$14, \$5, \$6		\$ 33				hbist. back	Sotta
		£ 2)			white back	sections.	čatu Lion
		9 33		אסבק אסבק	Data	Ereutien	Instruction de code
		Ct S	Drute Lack	Sata	Execution	Instruction decode	Indouction Instruction get the devote
		ככא	Data	execution		Instruction Instruction for the	
	Parents and the		Brewtien	Interuction Instruction get th	Instruction Instruction fetch decode		
	(str) in A	נכש	Indruction decode	Intenthen			
	(פעטעי שטמט היו) יייינים	CC1	Intruction fot ch				
	Perception	sides (in instruction)	My \$10,20(\$1) Instruction Instruction for the	20th 411,40,43	0dd\$19,\$3,\$4	(it) the sist out	9\$'5\$'h1\$ PPO 4



## Snapshok:

