

→ (60)

IT System

2nd semester

↳ 42 Branch

↳ Introduce

↳ must

com 2 com
CSE - Poly
↳ B.Tech → CS.E
↳ working -

SECOND SEMESTER

2.1	Mathematics-II	30-32
2.2	Applied Physics-II	33-37
2.3	Introduction to IT Systems	38-41
2.4	Fundamentals of Electrical & Electronics Engineering	42-45
2.5	Engineering Mechanics	46-48
2.6	Environmental Sciences	49-51

SECOND SEMESTER:

Sr. No.	SUBJECTS	STUDY SCHEME Periods/Week				Credits (C) (L + T)+P = C	MARKS IN EVALUATION SCHEME									Total Marks of Internal & External
							INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT						
		L	T	P	Total		Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot		
2.1	Mathematics-II	3	1	-	4	4+0=4	40	-	40	60	3	-	-	60	100	
2.2	Applied Physics-II	3	1	2	6	4+1=5	40	60	100	60	3	40	3	100	200	
2.3	Introduction to IT Systems	2	-	4	6	2+2=4	40	60	100	60	3	40	3	100	200	
2.4	Fundamentals of Electrical & Electronics Engineering	3	1	2	6	4+1=5	40	60	100	60	3	40	3	100	200	
2.5	Engineering Mechanics	3	1	2	6	4+1=5	40	60	100	60	3	40	3	100	200	
2.6	*Environmental Sciences	3	-	-	3	-	-	-	-	60	3	-	-	60	-	
# Student Centered Activities (SCA)		-	-	2	2	-	-	50	50	-	-	-	-	-	50	
Total		17	4	12	33	23	200	290	490	300		160		460	950	

*Environmental Sciences will be an audit subject and non-credit. It is compulsory to pass the examination, but the marks will not be included in the division and percentage of obtained marks.

1. Introduction to Computers and Peripherals.

(05 Periods)

Introduction, Computer Generations, Components of Computer, Types of Computer, CPU, RAM, ROM, Hard disk, USB, Flash drive, Keyboard, Mouse, display devices, Printer, Scanner, Modem, Sound Cards, Speakers, CMOS battery, Sharing of Printers.

1. Operating System and Application Software

(06 Periods)

System Software, Application Software, Virtualization Software, Utility Software, MS Office/Open Office/LibreOffice, Working with windows OS, Desktop components, Menu bars, creating shortcut of program. Installation of Application software's, Antivirus and Drivers.

2. Office Tools: MS Office/Open Office/ Libre Office (06 Periods)

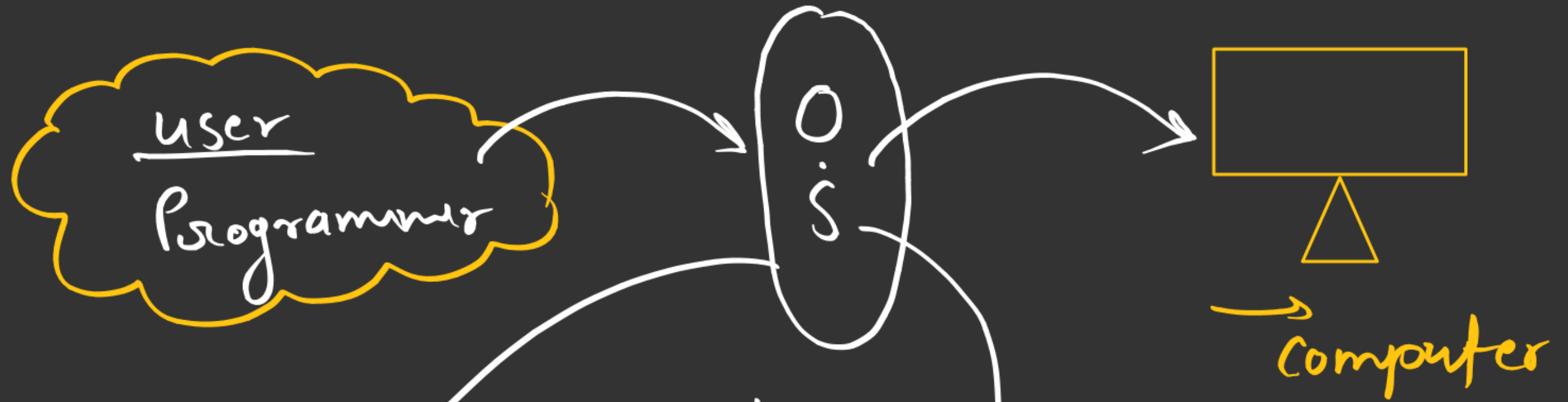
Creation of document, spreadsheets and presentation, Google Suits (Google drive, google sheet, google doc, google presentation)

3. Internet (06 Periods)

Network topologies, Basics of Networking,– LAN,MAN, WAN, Connecting Devices(Bridge, Switch, Router, Gateway),Wi-Fi technologies, Concept of IP Address, DNS, Search Engines, e-mail, Web Browsing.

4. Basics of Information Security (05 Periods)

Introduction to security, Security threats: detection and prevention, Indian Cyber laws.



↳ O. perating system:

↳ 2nd chapter

operating system

↳ Fan

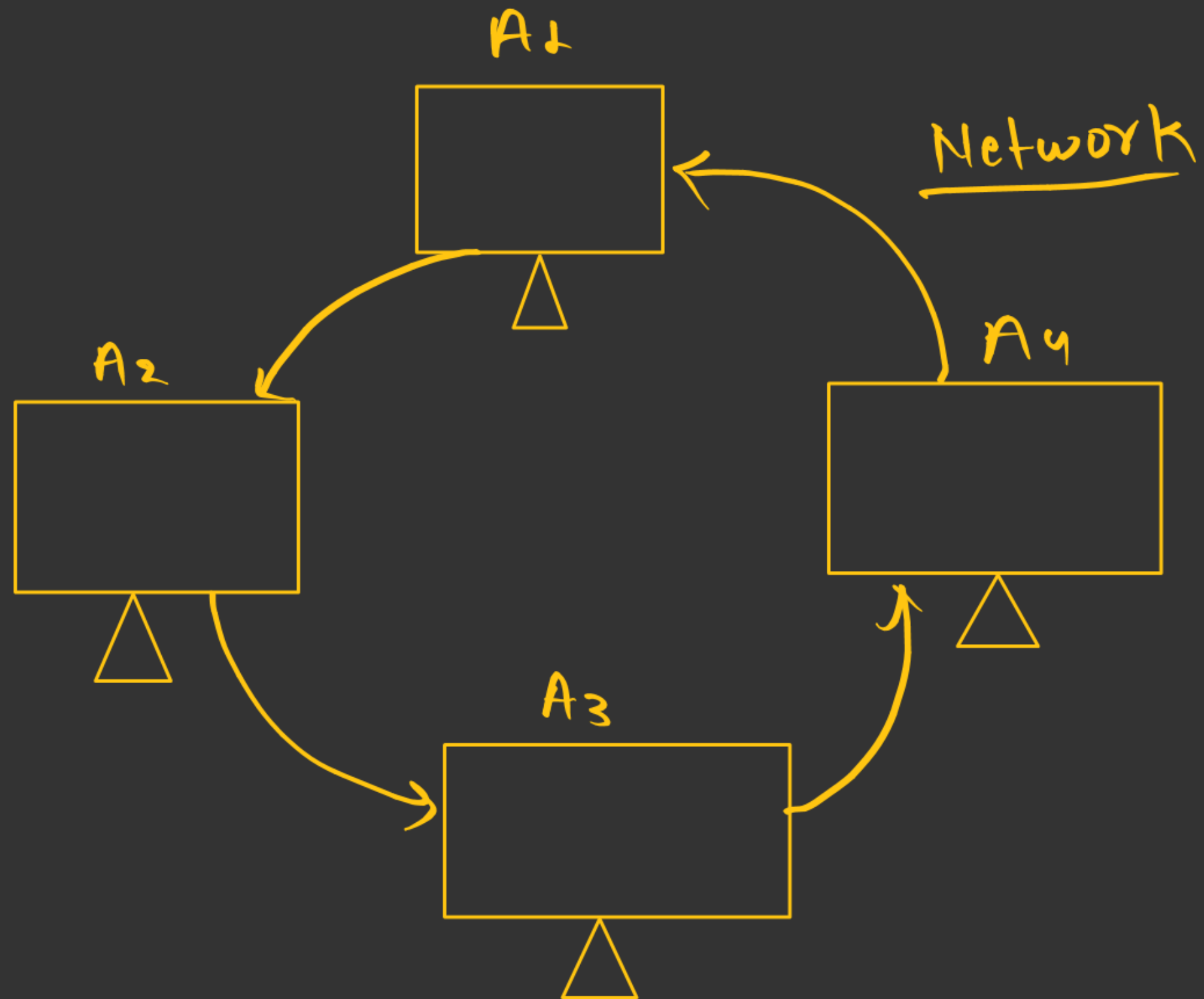
↳ w

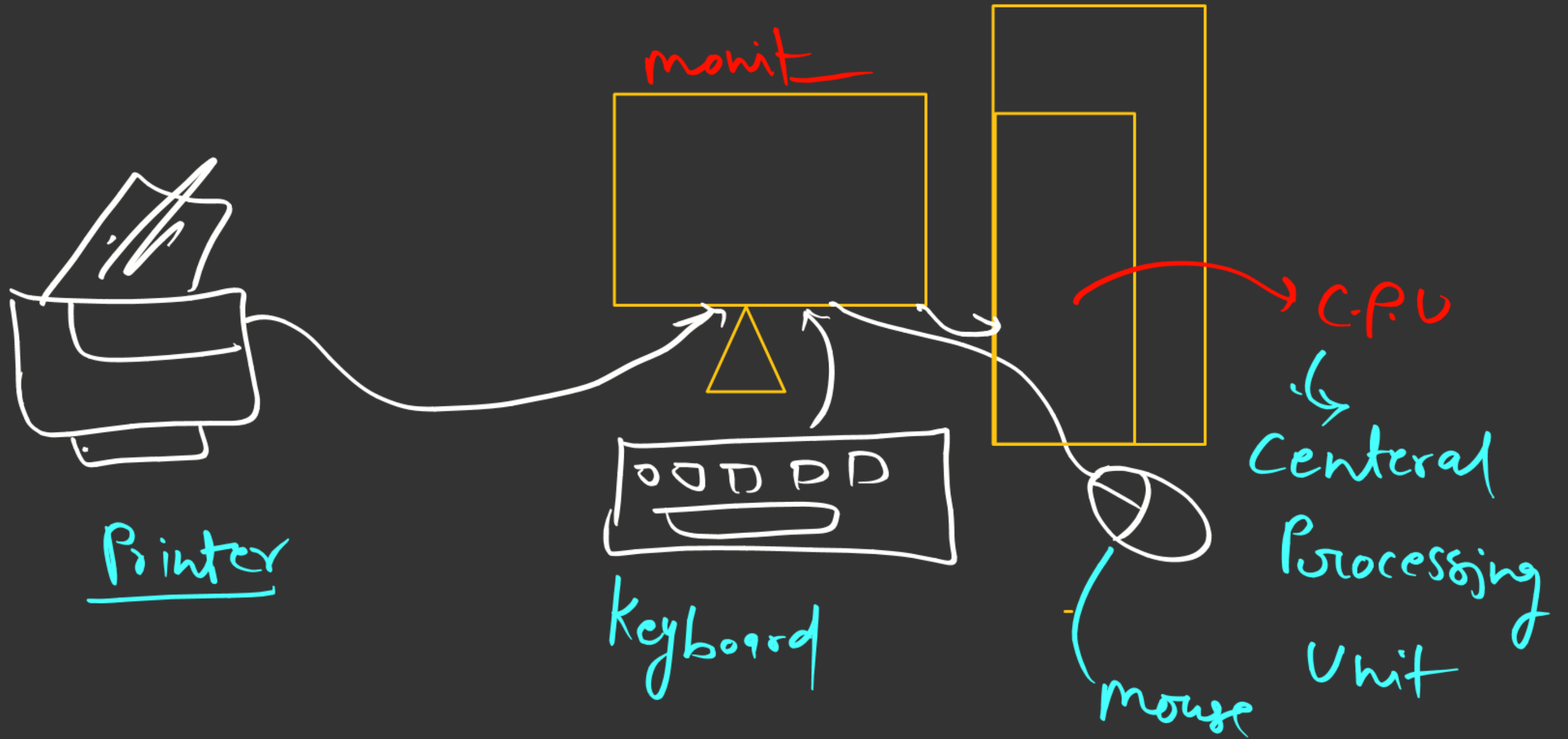
↳

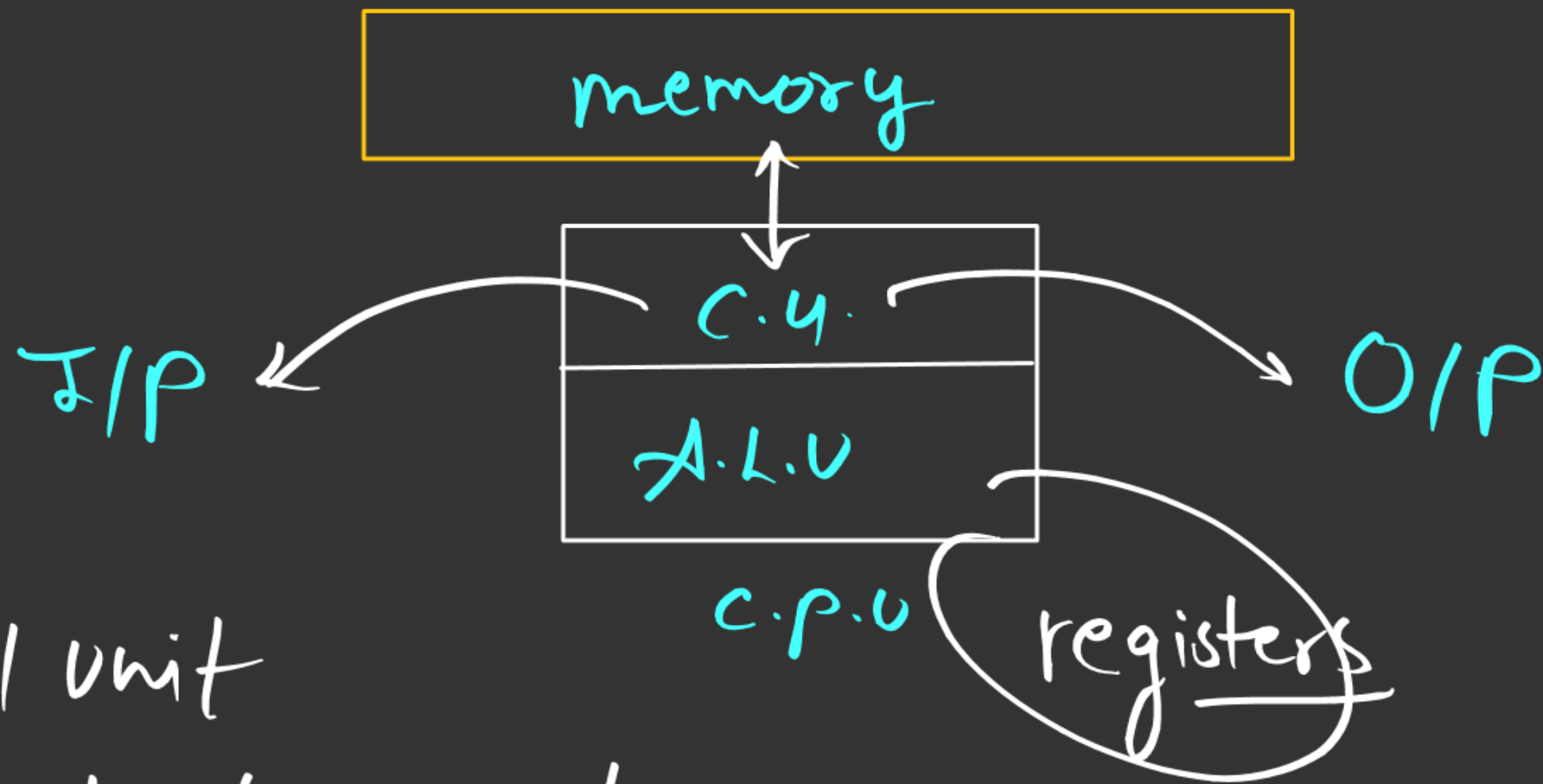
↳ Window (Laptop/Desktop)

↳ Mac (Laptop/Desktop)

↳ Android







↳ Control Unit

↳ Arithmetic Logic Unit

↳ Central processing unit

Von-Neumann Architecture