



SYNERGY SCHOOL OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Lesson Plan - Computing and Artificial Intelligence Lab (PR-4) Semester: 1st Year

Discipline: 1 st year All Branches		Name of the faculty: <i>Aurobinda Gochhayat</i> Email: <i>aurobindagochhayat@gmail.com</i>		
Subject: C & AI LAB	No. of Days/week: 2	No. of weeks: 32 Session -2026-27		
No. of Week	Class	Topic to be Taught	Date of delivery	
			G1	G2
1	1st	Computer start-up procedure		
	2nd	Booting process & shutdown		
2	1st	Restart procedure		
	2nd	Input devices		
3	1st	Output devices		
	2nd	CPU identification		
4	1st	Memory devices		
	2nd	Peripheral devices		
5	1st	Motherboard: CPU socket		
	2nd	RAM slots & BIOS chip		
6	1st	Expansion slots		
	2nd	Storage & power connectors		
7	1st	I/O ports		
	2nd	Windows OS installation		
8	1st	Linux OS installation		
	2nd	Web browser & search engines		
9	1st	MS Word: Create documents		
	2nd	MS Word: Formatting		
10	1st	MS Word: Tables & images		
	2nd	MS Word: Printing & preview		
11	1st	MS Excel: Workbook		
	2nd	MS Excel: Formatting		
12	1st	MS Excel: Formulas		
	2nd	MS Excel: Charts & printing		
13	1st	PowerPoint: Create presentation		
	2nd	Themes & formatting		
14	1st	Insert text/images		
	2nd	Slide show & printing		
15	1st	Python: Input/output		
	2nd	Sum & average of 5 numbers		
16	1st	Arithmetic operations		
	2nd	Greatest of two numbers		
17	1st	Even/Odd		
	2nd	Leap year		
18	1st	Greatest of three		
	2nd	Average using loop		

19	1st	Prime number		
	2nd	Factorial		
20	1st	Even numbers 1-50		
	2nd	Pattern practice		
21	1st	Loop practice		
	2nd	Conditional statements		
22	1st	Mini Python exercise-1		
	2nd	Mini Python exercise-2		
23	1st	Debugging programs		
	2nd	Record writing		
24	1st	ChatGPT practical		
	2nd	Google Gemini practical		
25	1st	Microsoft Copilot		
	2nd	AI prompt engineering		
26	1st	AI for coding		
	2nd	AI for document creation		
27	1st	AI for presentation		
	2nd	Integrated practical-1		
28	1st	Integrated practical-2		
	2nd	Revision-1		
29	1st	Revision-2		
	2nd	Viva preparation		
30	1st	Mock practical		
	2nd	Final assessment		
31	1st	Additional Practical 1		
	2nd	Additional Practical 2		
32	1st	Additional Practical 3		
	2nd	Additional Practical 4		

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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Lesson Plan - Computing and Artificial Intelligence Lab (PR-4) Semester: 1st Year

Discipline: 1st year All Branches		Name of the faculty: Aparna Priyadarshini Email: aparnabarik204@gmail.com		
Subject: C & AI LAB	No. of Days/week: 2	No. of weeks: 32 Session -2026-27		
No. of Week	Class	Topic to be Taught	Date of delivery	
			G1	G2
1	1st	Computer start-up procedure		
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 Lesson Plan - Computing and Artificial Intelligence Lab (PR-4) Semester: 1st Year

Discipline: 1 st year All Branches		Name of the faculty: <i>Amita Pranayani</i> Email: <i>pranayaniasmita@gmail.com</i>		
Subject: C & AI LAB	No. of Days/week: 2	No. of weeks: 32 Session - 2026-27		
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