

Name of Faculty	:	Faculty of Design
Name of Program	:	Bachelor of Design (B.Des.) - Animation, VFX & Gaming
Course Code	:	1BAG05
Course Title	:	History of Hardware
Type of Course	:	Skill Enhancement
Year of Introduction	:	2023-24

Prerequisite	:	--
Course Objective	:	Hardware typically aims to provide students with a comprehensive understanding of the development and evolution of computer hardware throughout history.
Course Outcomes	:	At the end of this course, students will be able to:
	CO1	The importance of understanding hardware history
	CO2	The invention of Technology
	CO3	Analysing Challenges and limitations
	CO4	The impact of development in Revolution

Teaching and Examination Scheme

Teaching Scheme (Contact Hours)			Credits	Examination Marks				
L	T	P		SEE	CIA	SEE	CIA	Total Marks
2	0	0	2	50	25	00	00	75

Legends: L-Lecture; T-Tutorial/Teacher Guided Theory Practice; P- Practical, C - Credit, SEE - Semester End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

Course Content

Module No.	Topics	Teaching Hours	Weightage	Mapping with COs
1	Introduction to Computer Hardware, Early Mechanical Calculators and Analog Computers	8	30%	CO1
2	The Birth of Digital Computing, The First Generation of Computers (1940s)	7	15%	CO1 CO2
3	The Second Generation of Computers (1950s-1960s), The Third Generation of Computers (1960s-1970s)	7	15%	CO1 CO3
4	The Fourth Generation of Computers (1980s-1990s), The Fifth Generation and Beyond (2000s-Present)	7	20%	CO2 CO4
5	Emerging Technologies and the Future of Hardware, Hands-On Hardware Exploration,	7	20%	CO4

	Hands-On Hardware Exploration			
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Suggested Distribution of Theory Marks Using Bloom's Taxonomy						
Level	Remembrance	Understanding	Application	Analyse	Evaluate	Create
Weightage	10	30	20	30	0	10

NOTE: This specification table shall be treated as a general guideline for the students and the teachers. The actual distribution of marks in the question paper may vary slightly from above table.

Reference Books

Sr. No.	Name of Reference Books
1	Code: The Hidden Language of Computer Hardware and Software

List of Journals / Periodicals / Magazines / Newspapers / Web resources, etc

Sr. No.	Name of Journals / Periodicals / Magazines / Newspapers / Web resources, etc
1	IEEE Annals of the History of Computing
2	BYTE Magazine (Archive)