

GANESH INSTITUTE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

LESSON PLAN CUM PROGRESS REPORT(2023-24)

SUBJECT: COMPUTER APPLICATION			SEMESTER: 1ST				SECTION:-A		
LECTURE NO.	CO	BT L	TOPIC TO BE COVERED	BOOK NO./CHAPT. NO./PAGE NO.	WEB REFERENCE IF ANY	TEACHING LEARNING METHOD	PLAN DATE	ACTION DATE	REVIEW BY HOD OR COURSE COORDINATOR
1	CO1	1	Introduction to Computer Evolution of Computers	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:1 Page No- 1.1 -1.3	https://youtu.be/Mefcns2mkwY?si=RxTQR990NNnqQPX3	1. Introduction to CA - PPT/Smart board - 5min. 2. Prerequisites for CA - PPT/Smart board - 5min. 3. Syllabus & CO discussion - PPT/Smart board - 10min. 4. Lecturer -PPT/Smart board - 40 min	16-08-23		
2	CO1	2	Generation of Computers	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:1 Page No- 1.4- 1.4	https://youtu.be/Mefcns2mkwY?si=RxTQR990NNnqQPX3	1. Previous class topic Review-10 min 2. Lecturer-50 min	17-08-23		
3	CO1	3	Classification of Computers	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:1 Page No- 1.5 – 1.5	https://youtu.be/7WZDE4KEOMc?si=X_fGxFmTidT88x	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	21-08-23		
4	CO1	3	Basic Organisation of Computer (Functional Block diagram) Input Devices, CPU & Output Devices.	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:2 Page No- 2.1 -2.2	https://youtu.be/vLHiV_QKTg0?si=HMD4FDDwstTDfNCc	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	22-08-23		
5	CO1	2	Computer Memory and Classification of Memory	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:3 Page No- 3.1 – 3.15	https://youtu.be/rzVdTHLdC44?si=weaJ2CTLgRduCmzu	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	23-08-23		
6	CO1	2	Doubt clearing class and Probable question answer discussion			Clearing the doubt and Previous year question answer discussion and assignment given	24-08-23		
7	CO2	2	Software concept, System software, Application software	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:6 Page No- 6.1-6.2	https://youtu.be/JwhnU47brtc?si=jorQgrGyY5hdgBRH	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	28-08-23		
8	CO3	2	Overview of Operating System Objectives and Functions of O.S	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:6 Page No.- 6.3-6.5	https://youtu.be/WJ-UaAaumNA?si=bh4hawM84Dy114ed	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	29-08-23		

9	CO3	3	Types of Operating System: Batch Processing, Multiprogramming, Time Sharing OS Features of DOS, Windows and UNIX	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:-6 Page No.- 6.8-6.10	https://youtu.be/PY6zEUELn8s?si=BBoqLSjmS7HkHDdR	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	30-08-23		
10	CO3	3	Types of Operating System: Batch Processing, Multiprogramming, Time Sharing OS Features of DOS, Windows and UNIX	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:-6 Page No.- 6.8-6.10	https://youtu.be/PY6zEUELn8s?si=BBoqLSjmS7HkHDdR	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	31-08-23		
11	CO3	2	Doubt clearing class and Probable question answer discussion			Clearing the doubt and Previous year question answer discussion and assignment given	04-09-23		
12	CO2	4	Programing Languages Compiler, interpreter Computer Virus	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:6 Page No.-6.11-6.12	https://youtu.be/qcEBXrqFLe8?si=0rB4Rf2aVnBFEV_D	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	04-09-23		
13	CO2	4	Different Types of computer virus	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press 1 Ch:6 Page No.- 6.12-6.12	https://youtu.be/k2yTL7yndaw?si=ck3ABdBE4QJRtoO4	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	05-09-23		
14	CO2	2	Detection and prevention of Virus . Application of computers in different Domain	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:6 Page No- 6.12-6.12	https://youtu.be/UTi5Uxq0pX4?si=XfeZE_7rC0wTxvX https://youtu.be/nVMrEdgGmtI?si=astZx21hpYK6xmJu	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	07-09-23		
15	CO2	3	Doubt clearing class and Probable question answer discussion			Clearing the doubt and Previous year question answer discussion and assignment given	11-09-23		
16	CO4	2	Networking concept, Protocol, Connecting Media, Date Transmission mode	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:7 Page No.- 7.2-7.3	https://youtu.be/Hizdc4XVJ1E?si=cCLsMprjMZBBUvFz	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	12-09-23		
17	CO4	1	Network Topologies	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:7 Page No- 7.7-7.8	https://youtu.be/uSKdjjw5zow?si=mmEekNwF_RTW4G5	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	13-09-23		
18	CO4	1	Network Topologies	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:7 Page No- 7.7-7.8	https://youtu.be/uSKdjjw5zow?si=mmEekNwF_RTW4G5	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	14-09-23		
19	CO4	3	Types of Network	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:7 Page No.- 7.2-7.3	https://youtu.be/Hizdc4XVJ1E?si=OwSqz5lQXHbtYZ7	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	18-09-23		

20	CO4	2	Networking Devices like Hub, Repeater, Switch, Bridge, Router, Gateway & NIC	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:7 Page No. 7.6-7.7	https://youtu.be/xYwPOKJnqC0?si=YL3GJRdqObksVYc	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	19-09-23		
21	CO4	2	Networking Devices like Hub, Repeater, Switch, Bridge, Router, Gateway & NIC	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:7 Page No. 7.6-7.7	https://youtu.be/yYe6Mh9fig0?si=8V3gPr_L8pm-7Vjg	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	20-09-23		
22	CO4	4	Internet Services like E-Mail, WWW, FTP, Chatting, Internet Conferencing, Electronic Newspaper & Online Shopping	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:7 Page No. -7.16-7.16	https://youtu.be/72z8C9WM8x0?si=W0SfgkY0HUb2nuL3	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	21-09-23		
23	CO4	4	Internet Services like E-Mail, WWW, FTP, Chatting, Internet Conferencing, Electronic Newspaper & Online Shopping	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:7 Page No. -7.16-7.16	https://youtu.be/72z8C9WM8x0?si=W0SfgkY0HUb2nuL3	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	09-10-23		
24	CO4	4	Different types of Internet connectivity and ISP	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:7 Page No. 7.16	https://youtu.be/93-3zmVvCGU?si=nPcnaQ1YLoLJLCng	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	10-10-23		
25	CO4	4	Different types of Internet connectivity and ISP	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:7 Page No. 7.16	https://youtu.be/w0P9uoyVJxk?si=76CEKtWN90O4TzYL	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	11-10-23		
26	CO4	2	Concept of File and Folder	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:16 Page No.16.1-16.2	https://youtu.be/ZiMIADmogGM?si=HTKaFFF0Psg_QoYH	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	12-10-23		
27	CO4	3	File Access and Storage methods. Sequential, Direct, ISAM	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:16 Page No. 16.2-16.5	https://youtu.be/0vno0Ra0wEg?si=OeJNreCb73P3590	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	16-10-23		
28	CO4	3	File Access and Storage methods. Sequential, Direct, ISAM	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:16 Page No. 16.2-16.5	https://youtu.be/0vno0Ra0wEg?si=OeJNreCb73P3590	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	16-10-23		
29	CO4	3	File Access and Storage methods. Sequential, Direct, ISAM	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:16 Page No. 16.2-16.5	https://youtu.be/0vno0Ra0wEg?si=OeJNreCb73P3590	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	17-10-23		
30	CO4	3	Data Capture, Data storage	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:16 Page No-16.6-16.9.	https://youtu.be/qeKhBuTmjBE?si=C3QOoM2jkgK9T37B	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	18-10-23		
31	CO4	3	Data Capture, Data storage	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:16 Page No-16.6-16.9.	https://youtu.be/qeKhBuTmjBE?si=C3QOoM2jkgK9T37B	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	18-10-23		

32	CO4	3	Data Capture, Data storage	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:16 Page No-16.6-16.9.	https://youtu.be/qeKhBuTmjbE?si=C3QOoM2jkgK9T37B	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	18-10-23		
33	CO4	2	Data Processing and Retrieval	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:16 Page No-16.9-16.11	https://youtu.be/qeKhBuTmjbE?si=C3QOoM2jkgK9T37B	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	19-10-23		
34	CO4	2	Doubt clearing class			Clearing the doubt	19-10-23		
35	CO4	2	Probable question answer discussion			Previous year question answer discussion and assignment given	19-10-23		
36	CO5	3	Algorithm, Pseudo code and Flowchart Generation of Programming Languages	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:8 Page No- 8.4-8.5	https://youtu.be/hiJYrNO2v_4?si=xsF3R-cTLXYRTtDL	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	25-10-23		
37	CO5	3	Algorithm, Pseudo code and Flowchart Generation of Programming Languages	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:8 Page No- 8.4-8.5	https://youtu.be/hiJYrNO2v_4?si=xsF3R-cTLXYRTtDL	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	25-10-23		
38	CO5	2	Structured Programming Language	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:8 Page No-.8.2-8.4	https://youtu.be/vqtyDXFIS98?si=ft3WciJHtZHQMcR	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	26-10-23		
39	CO5	2	Examples of Problem solving through Flowchart	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:8 Page No- 8.4	https://youtu.be/QCBV_KrB4wk?si=mqgXpf2_woFIqcl4	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	26-10-23		
40	CO5	2	Examples of Problem solving through Flowchart	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:8 Page No- 8.4	https://youtu.be/QCBV_KrB4wk?si=mqgXpf2_woFIqcl4	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	06-11-23		
41	CO5	2	Constants, Variables and Data types in C Managing Input and Output operations	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:9 Page No. 9.11-9.15	https://youtu.be/wARq2NWj6oM?si=5FbHylCTm9_5DSSu	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	06-11-23		
42	CO5	2	Constants, Variables and Data types in C Managing Input and Output operations	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:9 Page No. 9.11-9.15	https://youtu.be/GHsgu3RolyS?si=PpteH0eboJSwVgb9	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	07-11-23		

43	CO5	3	Operators, Expressions, Type conversion & Typecasting	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:9 Page No-9.15-9.16	https://youtu.be/r-M3ESr8WLY?si=bQeD62DiUndAs15	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	08-11-23		
44	CO5	3	Operators, Expressions, Type conversion & Typecasting	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:9 Page No-9.15-9.16	https://youtu.be/42oES8d0n8g?si=8k8FoLWarAIEhEy	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	08-11-23		
45	CO5	3	Operators, Expressions, Type conversion & Typecasting	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:9 Page No-9.15-9.16	https://youtu.be/ql2F5Am3_9E?si=Z8OCyI_9jD1RnyT9	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	09-11-23		
46	CO5	3	Decision Control and Looping Statements (If, If-else, If-else-if, Switch, While, Dowhile, For, Break, Continue & Goto)	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:10 Page No- 10.1-10.6	https://youtu.be/SFo205wqn8w?si=GF-GfDUka-oB_g24	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	13-11-23		
47	CO5	3	Decision Control and Looping Statements (If, If-else, If-else-if, Switch, While, Dowhile, For, Break, Continue & Goto)	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:10 Page No- 10.1-10.6	https://youtu.be/RRgZIPk5hCA?si=MOaC-azrR-Lqpo2P	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	13-11-23		
48	CO5	3	Decision Control and Looping Statements (If, If-else, If-else-if, Switch, While, Dowhile, For, Break, Continue & Goto)	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:10 Page No- 10.1-10.6	https://youtu.be/RRgZIPk5hCA?si=MOaC-azrR-Lqpo2P	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	14-11-23		
49	CO5	2	Programming Assignments using the above features.	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:10 Page No-10.6	https://youtu.be/RRgZIPk5hCA?si=MOaC-azrR-Lqpo2P	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	15-11-23		
50	CO5	2	Programming Assignments using the above features.	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:10 Page No-10.6	https://youtu.be/RRgZIPk5hCA?si=MOaC-azrR-Lqpo2P	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	16-11-23		
51	CO5	2	Programming Assignments using the above features.	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:10 Page No-10.6	https://youtu.be/RRgZIPk5hCA?si=MOaC-azrR-Lqpo2P	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	20-11-23		

52	CO5	3	Functions and Passing Parameters to the Function (Call by Value and Call by Reference).	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:11 Page No.-11.7-11.8	https://youtu.be/CSJLuARmzg0?si=_0z2FrZpZRDM9F-r	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	21-11-23		
53	CO5	2	Scope of Variables and Storage Classes	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:11 Page No.-11.8-11.10	https://youtu.be/elMQ5YtZPxA?si=fF6gPb77tpfSLJSK	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	22-11-23		
54	CO5	2	Scope of Variables and Storage Classes	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:11 Page No.-11.8-11.10	https://youtu.be/0yNX8aYPBRg?si=dH11yv6XWJjTFvM	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	23-11-23		
55	CO5	1	One Dimensional Array and Multidimensional Array	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:12 Page No-12.5-12.11	https://youtu.be/Gn7PGIEJejs?si=43A0G-YLpTAeTOWV	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	28-11-23		
56	CO5	3	String Operations and Pointers	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:13 Page No- 13.1-13.6	https://youtu.be/IBjGjDbwxSg?si=wwtZL3Z660NjkK_f	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	29-11-23		
57	CO5	5	Pointer Expression and Pointer Arithmetic	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:14 Page No- 14.1-14.19	https://youtu.be/IBjGjDbwxSg?si=wwtZL3Z660NjkK_f	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	30-11-23		
58	CO5	4	Structure and Union (Only concepts, No Programming)	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:14 Page No- 14.20-14.21	https://youtu.be/U1SMcGr5Qek?si=wznwEZLm22muH_-f	1. Previous class topic Review-10 min 2. PPT/Smart board-20 min 3. Lecturer-30 min	04-12-23		
59	CO5	4	Doubt clearing class			Clearing the doubt	05-12-23		
60	CO5	3	Probable question answer discussion			Previous year question answer discussion and assignment given	06-12-23		