

GANESH INSTITUTE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

LESSON PLAN CUM PROGRESS REPORT

SUBJECT: COMPUTER APPLICATION			SEMESTER: 1ST				SECTION:-B		
LECTURE NO.	CO	BTL	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	1	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 10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	27-10-22		
2	1	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	28-10-22		
3	1	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	29-10-22		
4	1	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_OKTg0?si=HMD4FDDwstTDfNCc	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	03-11-22		
5	1	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	04-11-22		
6	1	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	05-11-22		
7	1	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	07-11-22		
8	2	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	10-11-22		
9	2	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=BBogLSjms7HkHDDr	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	11-11-22		

10	2	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	12-11-22		
11	2	4	Programming 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=OrB4Rf2aVnBFEV_D	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	14-11-22		
12	2	4	Programming 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=OrB4Rf2aVnBFEV_D	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	17-11-22		
13	2	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	18-11-22		
14	2	2	Detection and prevention of Virus	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	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	19-11-22		
15	2	3	Application of computers in different Domain	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:7 Page No.-7.14 -7.15	https://youtu.be/nVMrEdgGmtI?si=astZx21hpYK6xmJu	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	21-11-22		
16	3	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	24-11-22		
17	3	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	25-11-22		
18	3	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	26-11-22		
19	3	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=OwSqz5IQXHbtYZ7	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	28-11-22		
20	4	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=YLl3GJRdqObksVYc	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	01-12-22		
21	4	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	02-12-22		

22	4	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	03-12-22		
23	4	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	05-12-22		
24	4	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=nPenaQ1YLoLJLCng	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	08-12-22		
25	4	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=76CEKtWN9OO4TzYL	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	09-12-22		
26	5	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	10-12-22		
27	5	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	12-12-22		
28	5	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	15-12-22		
29	5	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	16-12-22		
30	5	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	17-12-22		
31	5	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	19-12-22		
32	5	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	22-12-22		
33	5	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	23-12-22		

34	5	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	24-12-22		
35	5	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	26-12-22		
36	5	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	29-12-23		
37	5	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	30-12-23		
38	5	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/vqtvDXFIS98?si=ft3WciJHtZHtqMcr	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	31-12-23		
39	5	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_woFlqcl4	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	02-01-23		
40	5	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_woFlqcl4	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	05-01-23		
41	5	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	09-01-23		
42	5	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	12-01-23		

43	5	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=bQeD62DiUndAsS15	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	13-01-23		
44	5	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=S8k8FoLWarAIEhEy	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	14-01-23		

45	5	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_9jDIRnyT9	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	16-01-23		
46	5	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	19-01-23		
47	5	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	20-01-23		
48	5	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	21-01-23		
49	5	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	27-01-23		
50	5	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	28-01-23		
51	5	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	30-01-23		

52	5	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	02-02-23		
53	5	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	03-02-23		
54	5	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	04-02-23		
55	5	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	06-02-23		
56	5	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	09-02-23		
57	5	2	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	10-02-23		
58	5	4	Programming Assignments using the above features	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:14 Page No- 14.20-14.21	https://youtu.be/IBjGjDbwxSg?si=wwtZL3Z660NjkK_f	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	11-02-23		
59	5	4	Programming Assignments using the above features	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:14 Page No- 14.20-14.21	https://youtu.be/IBjGjDbwxSg?si=wwtZL3Z660NjkK_f	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	13-02-23		
60	5	4	Structure and Union (Only concepts, No Programming)	Computer Fundamentals and Programming in C by Reema Thareja, Oxford University Press Ch:15 Page No-15.1-15.10	https://youtu.be/U1SMcGr5Qek?si=wznwEZLm22muH_-f	1-Previous class topic Review-10 min 2- PPT/Smart board-20 min 3-Lecturer-30 min	16-02-23		

Principal

Faculty

HOD