DHABALESWAR INSTITUTE OF POLYTECHNIC
LESSON PLAN

Discipline Diploma Engg.	Semester 1st.	Name of the Teaching Faculty Ashis Mohapatra.
Subject Computer Application	No.of days per Week Class Alloted 05	Semester from Dt._____ To Dt._____ No. of Weeks: 14

Week	Class Day	Theory / Practical Topics
1st.	1st	CH-1 computer Organisation → Introduction to computer Evolution, generation of computer & classification
	2nd	→ Basic Organisation of computer, Input devices, CPU & output devices
	3rd & 4th	→ computer Memory & classification
	5th	CH-2 computer Software
2nd	1st	→ Software concept, System & application S/W.
	2nd	→ Overview of O/S, objectives & funcns of O/S.
	3rd & 4th	→ Types of O/S, Batch processing, Multiprogramming, Time sharing O/S, features of DOS, windows & Unix
	5th	→ programming Languages compiler, interpreter computer virus.
3rd	1st & 2nd	→ Different types of computer virus
	3rd & 4th	→ Detection & Prevention of virus.
	5th	→ Application of computers in diff. Domain.
4th	1st	CH-3 computer Network & Internet → Networking concept, protocol, connecting media, Data transmission mode.
	2nd	

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Week	Class Day	Theory / Practical Topics
	3rd & 4th	→ Network topologies, Types of Network
	5th	→ Networking Devices like Hub, Repeater Switch, Bridge, Router, Gateway & NIC.
5th	1st	
	2nd	→ Internet services (E-mail, WWW, FTP chatting, Internet conferencing, E-News & online shopping).
	3rd	
	4th & 5th	→ Different type of Internet connectivity & Isp.
6th	1st	CH - 4 File Management & Data Processing
	2nd	→ concept of file & folder
	3rd	→ File access & storage methods Sequential, Direct, ISAM.
	4th	→ Data capture, Data storage.
	5th	→ Data processing & Retrival
7th	1st	CH-5 Problem Solving Methodology
	2nd	→ Algorithm, Psedo code & flow chart generation of Programming Languages.
	3rd	→ Structured Programming Language
	4th & 5th	→ Examples of Problem solving through flowchart.
8th	1st	

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14th	05	
	2nd & 3rd	CH-6 Overview of C Programming Langueage :-
	4th & 5th	→ constants, variables & datatypes in C managing input, output operations.
CHh	1st & 2nd	
	3rd & 4th	→ Operators, Expressions, Type conversion & type casting.
	5th	→ Decision control & looping statement
10th	1st & 2nd	→ Programming Assignments using the above beatures.
	3rd	
	4th & 5th	CH-7 Advanced beatures of 'C'
11th	1st & 2nd	→ Functions & Passing Parameters to the bunction.
	3rd & 4th & 5th	→ Scope of variables & storage classes.
12th	1st & 2nd	→ Recursion bunc^n & types of recursion.
	3rd & 4th	
	5th	→ one dimensional Array & multi-dimensional array.
13th	1st & 2nd & 3rd.	→ String operations & pointers.

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Week	Class Day	Theory / Practical Topics
	4th	→ pointer Expression & pointer Arithmatic Programming assignment using the above features.
	5th	→ Structure & Union.
14th	1st & 2nd & 3rd.	Revision.