



CAMBRIAN PUBLIC SCHOOL KANKE ROAD RANCHI

Class – XI (Session 2026-27)

LEARNING PLAN OUTCOMES

Subject: Computer Science (083)

S. No.	Month	Chapter/Unit Name	Learning Outcomes
1	June	1 Computer System Organization 2 Data Representatin & Boolean logic	- Students will be able to explain basic fundamental concept of computer and its applications - They will be able to explain the concept of hardware and its types as well as software and its types. - They will be able to analyse the the basic memory concept. - They will practically create and run python based program on machines. - Students will be able to explain data Representation and Conversion of diata in different Number System
2	July	Data Representatin & Boolean logic Continues... Ch-3 Getting Started with Python Ch-4 Python Programming Fundamentals Ch-5 Conditional and Looping Statements	- Students will be able to analyse and apply the concept of Logic gates, Logic Circuit Diagram, Truth Table, De Morgan's Law - Basic concepts of python, features of python, python tokens, simple fundamental basic programs of python using all basic concept including conditional statements and looping. - Lists in the programs as well as List based functions. - They will apply all the features of program by creating multiple program on learnt concept - They will also be able to apply Loop in Programs.
3	August	Ch-5 Conditional and Looping Statements Continues. CH-6 Stings in Python	- The will analyse conditional and looping statement and create multiple program using learnt concept. - They will be able to apply string-based concept in program. - The will analyse and use string bsd concept like str(), strip(), split(), isupper(), Islower(), isalpha() ,isdigit(), tolower(),toupper() etc
4	September	Revision of Half Yearly syllabus	Students will be able to strengthen the learnt above concept by practicing and clearing doubts if any from subject teacher.
5	October	Ch-7 Lists in Python	Students will analyse the concept of data List and its application,

			They will be able to apply various list methods like list(), append(), insert(), extend(), min(), max(), sum(), pop(), remove() etc.
6	November	Ch-8 Tuples and Dictionary	- They will be able to analyze tuple based methods like tuple(), count(), index(), sorted(), min(), max() etc. - They will also analyze and explain the concept of dictionary and learn different dictionary based methods like dict(), keys(), values(), del(), clear(), pop(), popitem(), fromkeys(), setdefault(), max(), min(), count(), sorted() etc
7	December	Ch-9 Introduction to Modules Ch-10 Society, Law and Ethics	- Students will be able to apply all module based concept. - They will be able to use modules like random, math, statistic module etc. - They will be able to explain the concept of digital footprint, netizens, it acts, communication and social media etiquette, violation of IPR, Digital Rights Management, Licensing, Cybercrime. - Students will be able to strengthen the learnt above concept by practicing and clearing doubts if any from subject teacher.
8	January	Ch-10 Society, Law and Ethics continues	- Students will be able to explain the concept of Hacking, evesdropping, illegal downloading Plagiarism, Privacy laws, Child Pornography etc. - Students will be able to strengthen the learnt above concept by practicing and clearing doubts if any from subject teacher
9	February	Revision of whole syllabus	Students will clear their doubts and practise board-based question paper to strengthen their concept.
