

**CLASS XI**

**COMPUTER SCIENCE (083)**

**Academic planner-2025-26**

Date	working days	Content	Learning Outcomes/SDG	Mode of Assesment
<b>JULY</b> 1-15	12	Unit I: Computer Systems and Organisation		Individual Task
16-31	14	Unit I: Computer Systems and Organisation	Identify the components of computer system	
<b>AUG</b> 1-15	11	Unit III: Society, Law and Ethics Unit II: Computational Thinking and Programming - 1	Understands the basic concepts	Group Task
16-31	12	Features of Python,comments,variable declaration,data types Type of errors,small python programs	Hacking Data ,Privacy and Security	
<b>SEP</b> 1-15	11	practicals of Half Yearly Examination HALY YEARLY THEORY EXAMINATION		
16-30	12			
<b>OCT</b> 1-15	8	Conditional statement al statements: if, if-else, if-elif-else;	Understands basic concept of	Diagnostic Assessment
16-31	10		Flow of control and Syntax of	
<b>NOV</b> 1-15	11	Notion of iterative computation and control flow: for(range(),len()), while,	Identifies type of programming paradigm	Diagnostic Assessment
16-30	12			
<b>DEC</b> 1-15	12	Strings: Traversal, operations – Lists: Definition, Creation of a list, Traversal of a list. operation on a list	Knows uses of various programming syntax based on string	Peer Assessment
16-31	13	Tuples: Definition, Creation of a Tuple, Traversal of a tuple. operation on a tuples		
<b>JANUARY</b> 1-15	13	• Dictionary: Definition, Creation, Accessing elements of a dictionary	Identifies type of programming paradigm	Peer Assessment
16-31	11	Introduction to Python modules: Importingvarious modules.		
<b>Feburary</b>		Completion of all syllabus and practical file. They will be asked to submit the project and practical file		

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Assignment/HW	Teaching Paedgogy	Interdisciplinary aspect/SDC	21st Century Skills
A complete assignment based on Number system Basic concepts of computer system Boolean Algebra and Gates	book, powerpoint presentation, images	Informatics Practices  Physics method,Group	Problem Solving
Case study assignment based on Society Law and assignment of small IDLE programs	Presentation will be done by the students on the topics given in groups	Cyber safety  C,C++,Java,Maths Group method	Problem Solving
Various Practical assignment of basic Python Programs	HALF YEARLY EXAMINATION		
Practical assignment of conditional statement of IDLE Programs	practicals of Individual Demonstration	Maths	Design Thinking
Practical assignment of For loop and while loop of IDLE Programs	Maximum practicals Completing practical	Maths  Demonstration method	Pair Programming
Practical assignment of string ,Tuplesand List programs	practical of string,List assignment of various output questions Questionnaire based	Maths  Individual Task	Self directed Learning
Practical assignment of dictionary programs	students will do practical on the topic covered in this month	Maths  Self Learning Method	Self directed Learning