SANT NANDLAL SMRITI VIDYA MANDIR, GHATSILA
SYLLABUS - STD XII SCIENCE
SESSION 2025-26
SUBJECT – COMPUTER SCIENCE

Month	No of Working Days	Topic to be Taught	Activities	Learning Outcomes	Values & Skills Imparted	Assessment
April	21	Data base Concepts, Review of Python Basics	Programming in SQL	Students learn about the programming feature and concept	Students will learn real life application and technology.	Exercise of Ch-1 & Ch- 8
		Data base Concepts, Review of Python Basics	Programming in SQL		Values- Dignity, Truthfulness, fairness & Resposibility	Exercise of Ch-1 & Ch- 8
		Data base Concepts, Review of Python Basics	Programming in SQL			Exercise of Ch-1 & Ch- 8
		Revision & class Test	Programming in SQL			
May	09	Relational Database, Review of Python Basics	Programming in SQL& Python	Students learn how the program works in backend	Students will learn real life application and technology.	Exercise of Ch-1
		Relational Database, Review of Python Basics	Programming in SQL & Python		Values- Dignity, Truthfulness, fairness & Resposibility	Exercise of Ch-1 & Ch-8
June	11	Relational Database, Functions	Programming in SQL & Python	Students learn how the program works in backend and frontend	Students will develop their skills on data and collection of data on people or things, which will be used to support the activities of particular organization.	Exercise of Ch-2 & Ch-8
		Relational Database, Functions	Programming in SQL & Python			Exercise of Ch-2 & Ch-8
July	26	Relational Database, Functions	Programming in SQL & Python		Values- Dignity, Truthfulness, fairness & Resposibility.	Exercise of Ch-2 & Ch-8
		Relational Database, Using Python Libraries	Programming in SQL & Python, Project Work	Students learn different types of data used in programming		Exercise of Ch-3 & Ch-8
		SQL, Using Python Libraries	Programming in SQL & Python, Project Work			Exercise of Ch-3 & Ch-8
		1st Pre Term Test	Programming in SQL & Python, Project Work			
		SQL, Data File Handling	Programming in SQL & Python, Project Work			Exercise of Ch-4 & Ch-8

Month							
August	24	SQL, Data File Handling	Programming in SQL & Python, Project Work	Students learn the file types and their uses	Students will develop their skills on data and collection of data on people or things, which will be used to support the activities of particular organization.	Exercise of Ch-4 & Ch-8
		SQL, Data File Handling	Programming in SQL & Python, Project Work		Values- Dignity, Truthfulness, fairness & Resposibility.	Exercise of Ch-4 & Ch-8
		SQL, Data File Handling	Programming in SQL & Python, Project Work			Exercise of Ch-4 & Ch-8
September	21	SQL, Data File Handling	Programming in SQL & Python, Project Work			Exercise of Ch-4 & Ch-8
		Computer Networks	Programming in SQL & Python, Project Work	Students learn real work architecture of network and link the frontend program with backend program	Students develop their skills to solve more complex code and to be able to solve more difficult problems.	Exercise of Ch-7
		Half Yearly Exam	Programming in SQL & Python, Project Work			
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October	18	Computer Networks	Programming in SQL & Python, Project Work		Students will able to cover the relationship between database and python program.	Exercise of Ch-7
		Computer Networks, Data Structure in Python	Programming in SQL & Python, Project Work		Students learn real work architecture of network. Values- Dignity, Truthfulness, fairness & Resposibility.	Exercise of Ch-6 & Ch-7
		Computer Networks, Data Structure in Python	Programming in SQL & Python, Project Work			Exercise of Ch-6 & Ch-7
November	23	Computer Networks, Data Structure in Python	Programming in SQL & Python, Project Work	Students learn real work architecture of network and link the frontend program with backend program		Exercise of Ch-6 & Ch-7
		Revision & Test	Programming in SQL & Python, Project Work			
		Computer Networks, Interface Python with SQL	Programming in SQL & Python, Project Work			Exercise of Ch-7 & Ch-9
		Computer Networks, Interface Python with SQL	Programming in SQL & Python, Project Work			Exercise of Ch-7 & Ch-9
December	19	Interface Python with SQL	Programming in SQL & Python, Project Work	Students learn real work architecture of		Exercise of Ch-9

				network and link the frontend program with backend program and real life based application		
r		Interface Python with SQL	Programming in SQL & Python, Project Work			Exercise of Ch-9
		1st Pre Board Exam	Project Work			
January	22	2nd Pre Board Exam	Project Work			
		Revision	Project Work			
		Revision				
		Revision				
February	22	Revision				
		Revision				
		Board Exam				
		Board Exam				

Subject Teacher   **Principal**