

Bhartiya Vidya Mandir Senior Secondary School

Sector-39, Chandigarh Road, Ludhiana

SYLLABUS OF CLASS VII

BOOK : Click Code Connect		SUBJECT : Computer Science		SESSION : 2024-2025
Month	Unit/Chapter/Topic	Learning Objectives	Resources/Art-integrated pedagogy tools used E-Resources	Learning Outcomes/ Skills learnt by students
APRIL	Chapter 1 Number system and encoding schemes	To make students understand the concept of Number System	Lecture Method	Students will be able to understand Number Systems
	Topic Types of number systems - Binary, Decimal, Octal, Hexadecimal	Students will be able to identify different types of Number Systems like Binary, Decimal, Octal, Hexadecimal	Discussion method on 'Application Areas of different Number Systems'	Students will be able to identify different types of Number Systems
	Topic Conversion between number systems	To make students understand the conversion process of different Number Systems	https://drive.google.com/file/d/1qktyDXcuVVwMGQvSM4iw0ZGIChr1V5Sn/view?usp=sharing	Students will be able to do the conversion from one Number System to another
	Topic Encoding scheme	To make students understand some of well-known encoding schemes such as ASCII, Unicode	Lecture Method	Students will learn standard encoding schemes
MAY	Chapter 2 Chart in Excel 2016	To make students aware about the concept of Charts in Excel application	Lecture Method	Students will understand the concept of Charts in Excel application
	Topic Elements of a chart	To make students learn about various elements of a chart	Practical in Lab	Students will be able to list various elements of a chart
	Topic Types of charts - Column chart, Bar chart, Pie chart, Doughnut chart, Line chart	To make students able to use about various types of charts	Practical in Lab	Students will be able to use about various types of charts

MAY	Topic Creating a chart and placement of chart	To make students able to create a chart alongwith various chart elements	Practical in Lab	Students will able to create a chart alongwith various chart elements
	Topic Adding chart elements	To make students aware about how to add several elements in charts	Practical in Lab	Students will learn about adding Axis Titles, adding Chart Title, adding Data Labels, Adding Data Table, Adding Legend in a chart
	Topic Changing the chart style	To make students able to change chart styles	Practical in Lab	Students will able to create a change and use various styling features on charts
	Topic Adding sparklines	To make students learn about how to use Sparklines in Charts	Practical in Lab	Students will acquire skill of adding Sparkline feature of Excel
	Lab Activity	Lab Activity 1 and 2 given on Page no. 31 of Textbook		
JUNE	SUMMER VACATIONS			