INFANT JESUS CONVENT SCHOOL

ANNUAL PLAN

COMPUTER

CLASS: VIII

MONTH/NO OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
APRIL No of Days: 18	**Computer Networking:** • Computer Network • Need of computer Network • Network Terminology • Types of network Topology • Protocol • Devices required for a network	Students will be able to: • Implement a simple LAN with hubs, bridges and switches.	**KNOWLEDGE:** • Simple LAN with hubs, bridges and switches. **SKILLS:** • Verbal Skills • Critical Thinking • Listening skills **APPLICATION:** • Model reading of the lesson. • Video based explanation • Analyzing the types of Networks **UNDERSTANDING:** • Identifying various Networks • Memorize types of topologies •	• Linguistic • Spatial • Intrapersonal	• They will be able to Design and implement a network protocol.
MAY No of Days: 14	**Krita- Image Editing:** • Starting Krita	Students will be able to:	**KNOWLEDGE:** • Components in Krita	• Linguistic • Spatial • Intrapersonal	They will be able to Create and

	• Components of Krita • Creating ne new file • Tools to edit an image • Saving an image • Understanding the Krita tools	• Identify the components of Krita • Creating New file • Editing and Saving a file in Krita	• Tools in Krita. **SKILLS:** • Verbal Skills • Analytical skill • Listening skills **APPLICATION:** • Model reading of the lesson. • Flow Chart based explanation **UNDERSTANDING:** • Creating a file in Krita • Tools in Krita • Editing Tools • Saving an Image.		edit an image file in Krita.
	REVISION: PT-1				
CONDUCTION OF PT-1 ASSESSMENT(Third Week Of May)					
JULY No of Days: 27	**Trending Technologies:** • Artificial Intelligence • Robotics • Machine learning • Data Science • Edge Computing • Internet of the things(IoT) • 3D printing	Students will be able to: • Learn about different new technologies. • Different application in different technologies	**KNOWLEDGE:** Various trending technologies **SKILLS:** • Writing Skills • Analytical skill • Listening skills **APPLICATION:** Format A Presentation **UNDERSTANDING:** • Identify augmented reality and Virtual reality	• Linguistic • Spatial • Intrapersonal	Students will be able to: • Identify different technologies.

AUGUST No of Days: 23	**Images, Links & Frame in HTML5:** • Inserting image • Adding Audio & Video • Linking web pages • Frames	Students will be able to: • Validate and publish a web page. • Linking of web pages.	**KNOWLEDGE:** • Create a **Frames** within a web page with the help of Frame tag . **SKILLS:** • Listening Skills • Critical skill • Observation skills **APPLICATION:** • Practical Based explanation • Introduction to various tags. **UNDERSTANDING:** • Tags in HTML.	• Linguistic • Spatial • Logical	• They willbe able toUse cascading style sheets.
SEPTEMBER No of Days: 05	**Forms in HTML5:** • What is Form in HTML5? • The <FORM> Tag • The <INPUT>	Students will be able to: • Create a Forms in HTML5 using various tags	**KNOWLEDGE:** • Use of INPUT, SELECT, and TEXTAREA tags	• Linguistic • Spatial • Logical Thinking	Students will be able to: • Create Forms using different tags.

	Tag • The <SELECT> Tag • The <TEXTAREA> Tag		**SKILLS:** • Listening Skills • Critical skill • Observation skills **APPLICATION:** • Practical Based explanation **UNDERSTANDING:** • Forms tags in HTML		
	REVISION:TERM-1				
CONDUCTION OF TERM-1 ASSESSMENT(Second Week of September)					
OCTOBER No of Days: 22	**Algorithmic Intelligence:** • Multiple Conditions in a Program • Loops in a Program	Students will be able to: Understand • Different loops in program	**KNOWLEDGE:** • Knowledge of loopig in program **SKILLS:** • Listening Skills • Critical skill • Observation skills **APPLICATION:** • Practical Based explanation • **UNDERSTANDING:** • Multiple conditions	• Linguistic • Spatial • Logical	Students will be able to: Discuss how the loops are created in programming

NOVEMBER No of Days: 23	**Loops in Python:** • The For Statement • The while Statement • Infinite Loop • Jump Statements • Some More Programs **Functions and Strings in Python:** • Functions • String • Some more Programs	Students will be able to: Describe the syntax for conditional statements in Python	**KNOWLEDGE:** • Design Object-Oriented Programs with python classes • Structure and components of a python program. • Identify python object types **SKILLS:** • Writing Skills • Analytical skill • Listening skills **APPLICATION:** • Model reading of the lesson. • Practical Based explanation **UNDERSTANDING:** • Identify and categorize reasoning and problem solving situations.	• Linguistic • Spatial • Logical	Students will be able to: write conditional statements in **Python** to control the flow of code.
	REVISION: PT-2				
CONDUCTION OF PT-2 ASSESSMENT(Fourth Week Of November)					
DECEMBER No of Days: 11	**List in Python:** • Creating list • Changing the list element • Traversing a list • Slicing the List	Students will be able to: •	**KNOWLEDGE:** • List elements in Python • Functions in Python **SKILLS:** • Listening Skills • Critical skill	• Linguistic • Spatial • Logical Thinking	They will be able to apply the basic operation on list.

	• List Methods • Adding an element to a list • Python Functions • Operations on a list		• Observation skills **APPLICATION:** • Model reading of the lesson. • Practical Based explanation **UNDERSTANDING:** • Operations on List • Adding elements to the list.		
JANUARY No of Days: 21	**Domains of AI:** • Natural Language Processing(NLP) • Big Data • Computer Vision(CV)	Students will be able to: • Domains of AI	**KNOWLEDGE:** • Explain the domains • Natural language processing **SKILLS:** • Listening Skills • Critical skill • Observation skills **APPLICATION:** • Model reading of the lesson. • Practical Based explanation **UNDERSTANDING:** • Various domains of AI.	• Linguistic • Spatial • Logical	Students will be able to: • Name the three general classifications of AI
FEBRUARY No of Days: 22	**Future of AI:** • Automated Transportation • Safety and Security	Students will be able to: • Compare AIwith human intelligence and traditional information	**KNOWLEDGE:** • Imagining a digital modelof the humanbrain **SKILLS:** • Writing Skills	• Linguistic • Spatial • Intrapersonal	Students will be able to: • Categorize terms related AI

	• Traffic Management • Smart Homes and Cities • Smart Highway • Health Care Industries • AI in education • AL in Finance • AI in Military and Cybersecurity	processing and discuss its strengths and limitations.	• Analytical skill • Listening skills **APPLICATION:** • Model reading of the lesson. • Practical Based explanation • Analyzing the various terms. **UNDERSTANDING:** application to complex and human-centered problems.		
	REVISION:TERM-2				
MARCH	**CONDUCTION OF TERM-2 ASSESSMENT**				