

INFANT JESUS CONVENT SCHOOL
ANNUAL PLAN
COMPUTER SCIENCE
Class – V

MONTH/ NO. OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ACTIVITIES	MULTIPLE INTELLIGEN CE SKILLS	LEARNING OUTCOME
<p style="text-align: center;">APRIL No of Days: 18</p>	<p>Windows Photo Editor & Video Editor</p> <ul style="list-style-type: none"> • Photo Editing • Video Editing • Types of computers 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Understand the interface of Windows Photo Editor • Demonstrate the method of crop, flip and rotate of Windows Photo Editor 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> • Able to do the process of adding title card with text to a video • Demonstrate the steps to add 3D effects in a video <p>SKILLS:</p> <ul style="list-style-type: none"> • Verbal Skills • Critical Thinking • Listening skills <p>APPLICATION:</p> <ul style="list-style-type: none"> • Model reading of the lesson • Demonstrate the steps to open a video file for editing <p>UNDERSTANDING:</p> <p>Identifying the difference between original photo and edited photo.</p> <ul style="list-style-type: none"> • Memorize steps involved in editing a photo and video 	<ul style="list-style-type: none"> • Spatial • Linguistic • Intrapersonal 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Analyze the Difference between brightness and contrast • Able to add motion effects, filters and adding text in video

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MAY No of Days: 14	Advanced Features of Word 2019 <ul style="list-style-type: none"> ● Spelling and Grammar ● Thesaurus ● Find and Replace Text ● Mail Merge 	Students will be able to: <ul style="list-style-type: none"> ● Demonstrate the Spelling and Grammar Check feature of Word ● Appreciate the steps to use Find and Replace features. 	KNOWLEDGE: <ul style="list-style-type: none"> ● Demonstrate how they can modify page margin settings for their document. ● Tell the students about different types of orientations SKILLS: <ul style="list-style-type: none"> ● Verbal Skills ● Analytical skill ● Listening skills APPLICATION: <ul style="list-style-type: none"> ● Model reading of the lesson. ● Video based explanation ● Tell them the various steps involved in creating a mail merge. ● Learn the steps involved in changing the page orientation in a document UNDERSTANDING: <ul style="list-style-type: none"> ● Recall the line spacing means the blank space between two lines in a paragraph ● List the steps how they can 	<ul style="list-style-type: none"> ● Spatial ● Linguistic ● Intrapersonal 	Students will be able to: <ul style="list-style-type: none"> ● Do steps involved in creating a mail merge. ● Recall the steps involved in changing the page orientation in a document ● Recall the steps of Thesaurus

			modify page margin settings for their document		
CONDUCTION OF E-1/PT-1					

MONTH/ NO OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
JULY No of Days: 27	More on PowerPoi nt 2019 <ul style="list-style-type: none"> ● Slide Transition ● Inserting Audio and Video Files ● Animati on ● Printing the Presentation 	Students will be able to: <ul style="list-style-type: none"> ● Determine the steps to start Ms PowerPoint. ● Explain the different ways to create a new Ms PowerPoint ● Develop and integrate the usage of slide transition ● Introducing the concept of animation. 	KNOWLEDGE: <ul style="list-style-type: none"> ● Make aware of the categories of the animation effects in PowerPoint 2019 ● List the steps how audio and video files are inserted in PowerPoint 2019. ● Enhance the use of animation in Ms PowerPoint SKILLS: <ul style="list-style-type: none"> ● Listening Skills ● Critical thinking skill ● Observati on skills APPLICATI ON: <ul style="list-style-type: none"> ● Practical Based explanation ● Introduction to slide transition in Ms PowerPoint ● Explore more about Ms PowerPoint using animation effects in 	<ul style="list-style-type: none"> ● Spatial ● Linguistic ● Intrapersonal 	Students will be able to: <ul style="list-style-type: none"> ● Categorizin g PowerPoint provides several transition effects. ● categories of the animation effects in PowerPoint 2019 ● Recall the the steps to print the presentation

			PowerPoint 2019 UNDERSTANDING: <ul style="list-style-type: none"> ● Usage of PowerPoint ● Apply animation effects in Powerpoint. 		
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AUGUST No of Days: 23	Introduction to Excel 2019 <ul style="list-style-type: none"> ● Components of Excel 2019 Window ● Creating a New Workbook ● Entering Data ● Adding/Removing/Renaming a Worksheet 	Students will be able to: <ul style="list-style-type: none"> ● Explain several features of Excel 2019. ● Make them understand how to start Excel 2019. ● Let them know how to create a workbook ● Explain how a workbook is saved or opened in Excel 2019. 	KNOWLEDGE: <ul style="list-style-type: none"> ● Make the students aware of components of Excel 2019 window. ● Explain to the students how to change the active cell. ● Finally make them learn to close a workbook in Excel 2019 SKILLS: <ul style="list-style-type: none"> ● Listening Skills ● Critical thinking skill ● Observation skills APPLICATION: <ul style="list-style-type: none"> ● Practical Based explanation ● Teach the steps of adding/removing/renaming a worksheet to the students ● Recall the steps of entering data in a worksheet. UNDERSTANDING:	<ul style="list-style-type: none"> ● Interpersonal ● Spatial ● Logical 	Students will be able to: <ul style="list-style-type: none"> ● Recall how a workbook is saved or opened in Excel 2019. ● Aware about how to create a workbook. ● Recall the steps to close a workbook in Excel 2019

			<ul style="list-style-type: none">● Recall the various components of MS Excel 2019● Recall how to enter data in a worksheet.		
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SEPTEMBER No of Days: 05	Editing Cell Contents in Excel 2019 <ul style="list-style-type: none"> ● Changing Cell Contents ● Copying and Moving Data ● Undo and Redo Commands ● Using AutoFill Feature 	Students will be able to: <ul style="list-style-type: none"> ● Explain how to select a cell, row, column, a range of cells, multiple cells, in Excel 2019. ● Make the students aware of how to enter date and time in Excel 2019 ● Explain Undo and Redo commands in Excel 2019 	KNOWLEDGE: <ul style="list-style-type: none"> ● Explain how cell contents can be deleted in Excel 2019. ● Explain to the students how to change the active cell. ● Also teach them the steps to use the AutoFill feature. SKILLS: <ul style="list-style-type: none"> ● Listening Skills ● Critical thinking skill ● Observation skills APPLICATION: <ul style="list-style-type: none"> ● Practical Based explanation ● Teach the steps of copying and moving data in Excel 2019 to the students ● Recall the steps of Undo and Redo commands. UNDERSTANDING: <ul style="list-style-type: none"> ● Recall the use of AutoFill features. ● Recall how cell contents can be deleted 	<ul style="list-style-type: none"> ● Interpersonal ● Spatial ● Logical 	Students will be able to: <ul style="list-style-type: none"> ● Recall how to enter date and time in Excel 2019 ● Compare copying and moving data in Excel 2019 is similar to the copy and move command in Word 2019. . ● Recall the steps to Undo and Redo commands Excel 2019

CONDUCTION OF E-2/TERM-1

MONTH/ NO OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
<p>OCTOBER No of Days: 22</p>	<p>Safeguarding Your Computer</p> <ul style="list-style-type: none"> ● Computer Malware ● The most Dangerous Malwares Known ● How Does a Computer Get Infected? ● How to Protect Your Computer ● Antivirus 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● What is a computer malware, trojan horse? ● Make the students aware of different types of malware like virus, worm, trojan horse, spyware, adware ● Explain various harms caused by computer malware 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> ● Identify Wabbit virus, Code Red worm, Mydoom worm, Storm worm, Zeus, Emotet, Pegasus, etc ● Explain the symptoms of an infected computer ● Explain antivirus <p>SKILLS:</p> <ul style="list-style-type: none"> ● Listening Skills ● Critical thinking skill ● Observation skills <p>APPLICATION:</p> <ul style="list-style-type: none"> ● Model reading of the lesson ● Recall how one can protect one's computer <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> ● Determine the different types of malware ● Steps to protect one's computer 	<ul style="list-style-type: none"> ● Interpersonal ● Spatial ● Logical 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Categorize symptoms of an infected computer ● Recall antivirus and well-known antivirus programs are Norton, Quick heal, AVG, McAfee, Symantec, Kaspersky

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<p>NOVEMBER No of Days: 23</p>	<p>Internet and E-mail</p> <ul style="list-style-type: none"> ● Types of Internet Connection ● Using Web Browser ● Types of Internet Connection ● E-mail 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Introduce the concept of World Wide Web (WWW) ● Make the students aware of the types of Internet connection like Dial-up, Broadband, Wi-Fi, Mobile Internet and Hotspots. ● Introduce web browser ● Demonstrate in detail the steps involved in Creating an e-mail account 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> ● Explain Sending an e-mail ● Demonstrate Reading a received e-mail ● Explore Signing out from the e-mail account <p>SKILLS:</p> <ul style="list-style-type: none"> ● Listening Skills ● Critical thinking skill ● Observation skills <p>APPLICATION:</p> <ul style="list-style-type: none"> ● Model reading of the lesson ● Introduction to Types of Internet Explain the components of an e-mail address to the students. <p>UNDERSTANDING :</p> <ul style="list-style-type: none"> ● Show to the students the steps involved in the process of launching the web browser <p>Explain the concept of World Wide Web (WWW)</p>	<ul style="list-style-type: none"> ● Interpersonal ● Spatial ● Logical 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Creating an e-mail account ● Recall the steps of Signing in/ out to an e-mail account ● Memorise the steps of Sending an e-mail

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<p>DECEMBER No of Days: 11</p>	<p>Data Processing</p> <ul style="list-style-type: none"> ● Data and Information ● Sorting Data ● Representing Information ● Decoding 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Introduce Data and Information with the help of proper examples for better understanding ● Tell the students how to sort data 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> ● Tell the students about how to represent information with the help of proper charts and tables. ● Explain the meaning of Decoding <p>SKILLS:</p> <ul style="list-style-type: none"> ● Listening Skills ● Critical thinking skill ● Observation skills <p>APPLICATION:</p> <ul style="list-style-type: none"> ● Model reading of the lesson <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> ● Recall the steps how to sort data by giving some examples 	<ul style="list-style-type: none"> ● Interpersonal ● Intrapersonal ● Logical 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Recall the Data and Information ● Recall the sorting and Decoding

CONDUCTION OF E-3/PT-2/PT-3

MONTH/NO OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
<p style="text-align: center;">JANUARY No of Days: 21</p>	<p>Conditional Blocks in Scratch</p> <ul style="list-style-type: none"> ● Sensing Input and its execution ● Using Mathematical operators ● Making a variable ● Applying reasoning to make decisions ● Applying condition in programming 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Understand the different actions sprite can perform on the Scratch stage ● Place the values in the value box using mathematical operators ● Compare numbers using mathematical operators ● Create a variable ● Make decision using condition operators 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> ● Make the students aware of Sensing blocks in Scratch and how they work. ● Tell the students about the blocks related to looping ● Demonstrate how one can create a game in Scratch <p>SKILLS:</p> <ul style="list-style-type: none"> ● Listening Skills ● Critical thinking skill ● Observation skills <p>APPLICATION:</p> <ul style="list-style-type: none"> ● Practical Based explanation ● Introduction of Scratch of various block ● Recall the Sensing blocks in Scratch ● Explore the steps involved in Conditional Blocks <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> ● Usage of Scratch ● Apply looping , operators in scratch 	<ul style="list-style-type: none"> ● Interpersonal ● Spatial ● Logical 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Categorize about the blocks related to looping ● Recall the Operators blocks in Scratch

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<p>FEBRUARY No of Days: 22</p>	<p>Robotics</p> <ul style="list-style-type: none"> ● What Are Robotics ? ● Fields Where Robots Are Used ● Latest Robots 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Explain that Robotics functioning of robots ● Make the students aware of latest robots like T-HR3, Sophia, Digit, Robot Thespian 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> ● Identify of the fields where robots are used ● List the latest robots <p>SKILLS:</p> <ul style="list-style-type: none"> ● Listening Skills ● Critical thinking skill ● Observation skills <p>APPLICATION:</p> <ul style="list-style-type: none"> ● Model reading of the lesson ● Introduction to Robotics <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> ● Explain symptoms of an infected computer. 	<ul style="list-style-type: none"> ● Interpersonal ● Spatial ● Logical 	<p>Students will be able to:</p> <ul style="list-style-type: none"> ● Memorize the List the latest robots ● List the fields where robots are used ●
<p>MARCH</p>	<p>CONDUCTION OF TERM-2 ASSESSMENT</p>				