**Scratch games**

1. **About yourself – using changing costumes, back-ground, sound and say blocks**
2. **Bouncing a ball, paddle game and extending it to ping-pong game**
3. **Calculation race -** Use of pick random block - picking a random number for use in calculation script.
4. **Create a maze game – treasure hunt**
5. **Geometric shapes – spider web. Extend it to use blocks**
6. **Using x-y co-ordinates , moving a sprite from any y position on the left to the right. Tappity- tap game – extend it to use explosion and clones**
7. **Dodge ball game, star hunter game**
8. **Circle wars**
9. **Story boarding**
10. **Run and jump – Space run or Jumpy monkey**
11. **Pen block – writing on stage. Turtle graphics**
12. **Tic tac toe**

**Session 1**

1. What is scratch and how to code using Scratch?
2. Editor Walkthrough
3. Introduction to script blocks for sprite movement , sound, looks, background and costumes – Class Activity : animation- an aquarium.
4. Creating a paddle game and an extension of it –Class activity: ping - pong game .Use of variables and sensing blocks. Use of pick random numbers.

**Session 2**

1. Use of pick random block - picking a random number for use in a multiplication script.
2. Using x-y co-ordinates , moving a sprite from any y position on the left to the right. Class activity : tappity- tap game
3. Pen block – creating graphics using angles. Mouse-down and go-to-mouse pointer blocks. Class activity : turtle graphics using repeat loops and nested loops

**Session 3**

1. Use of pick random block - picking a random number for use in a multiplication script. Using x-y co-ordinates , moving a sprite from any y position on the left to the right. Class activity : tappity- tap game
2. Pen block – creating graphics using angles. Mouse-down and go-to-mouse pointer blocks. Class activity : turtle graphics using repeat loops and nested loops