



SNS COLLEGE OF ENGINEERING

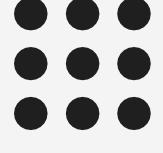
Kurumbapalayam(Po), Coimbatore – 641 107
Accredited by NAAC-UGC with 'A' Grade
Approved by AICTE, Recognized by UGC & Affiliated to Anna University, Chennai

Department of Information Technology & Artificial Intelligence & Data Science

Course Name - COMPUTER GRAPHICS

III Year / V Semester

Unit 5 – ANIMATIONS









DESIGN OF ANIMATION SEQUENCE







Computer Animation

What is Animation?

 Moving objects change over time according to scripted actions





Introduction

Computer animation is the process used for generating animated images (moving images) using computer graphics.

Animators are artists who specialize in the creation of animation.







APPLICATIONS







Cartoon



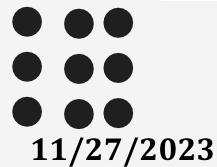
Mobile Phones





Design Of Animation Sequences

- Steps for designing animation sequences.
- Storyboard Layout
- Object definitions
- 3. Key frame specifications
- 4. Generation of in-between frames







STORYBOARD LAYOUT

- ☐ The storyboard is an outline of the action. It defines the motion sequence as a set of basic events that are to take place.
- Depending on the type of animation to be produced, the storyboard could consist of a set of rough sketches or it could be a list of the basic ideas for the motion.



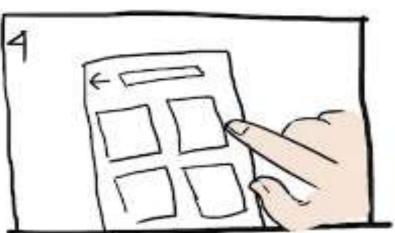






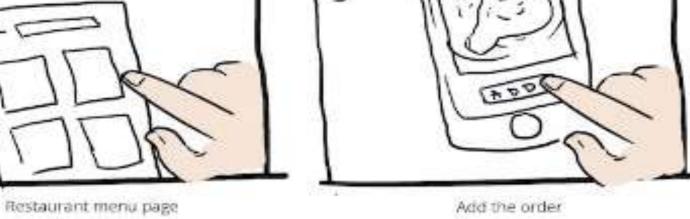
Title: Placing Order

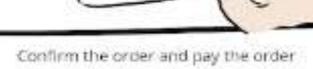


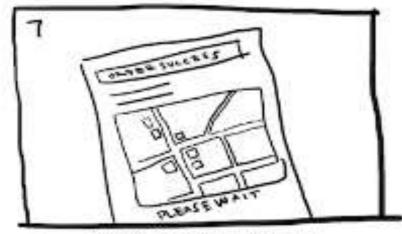
















Showing the restaurant status and the driver where about Notification when the order is arrived

The driver arrived with the food



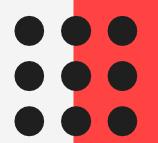


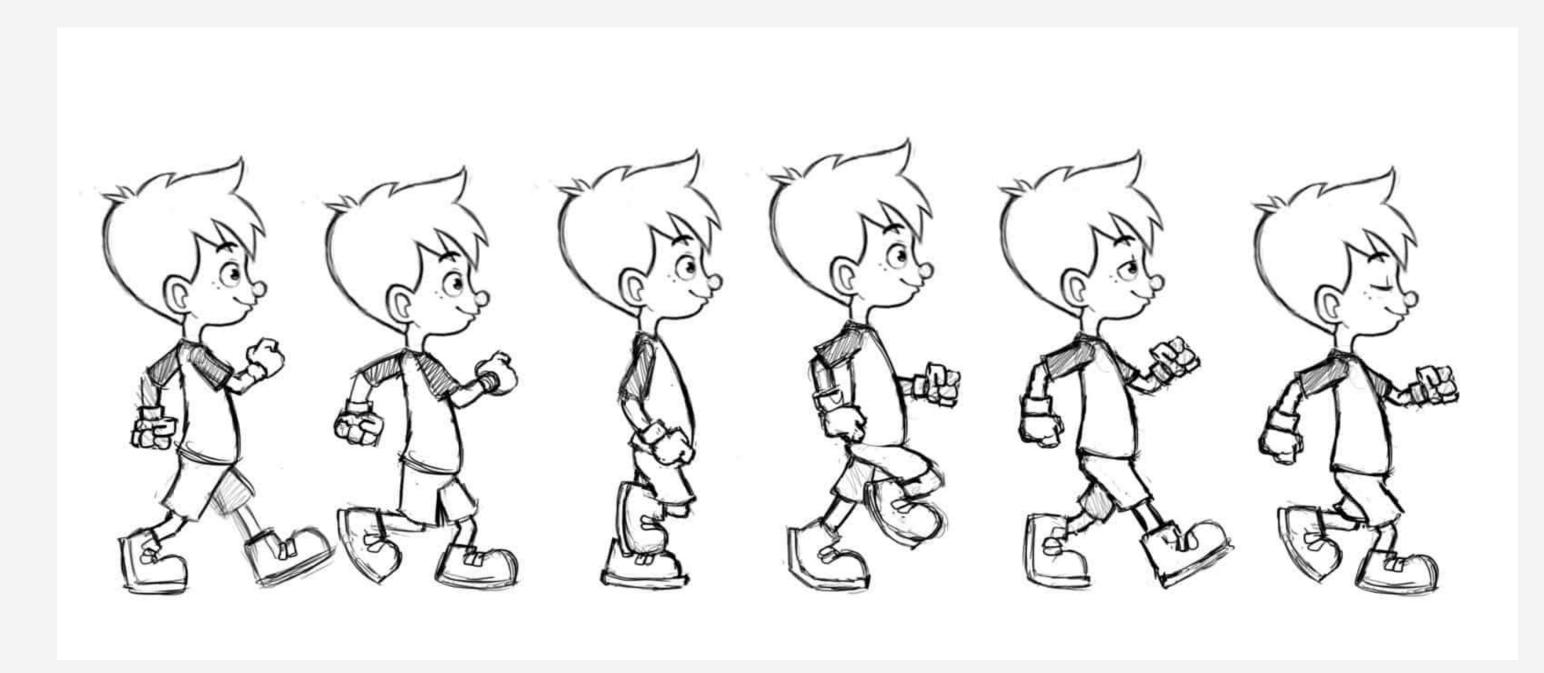
OBJECT DEFINITION

- An object definition is given for each participant in the action.
- Display the defined in terms of basic shapes, such as polygons or splines In addition, the associated movements for each object are specified along with shape.











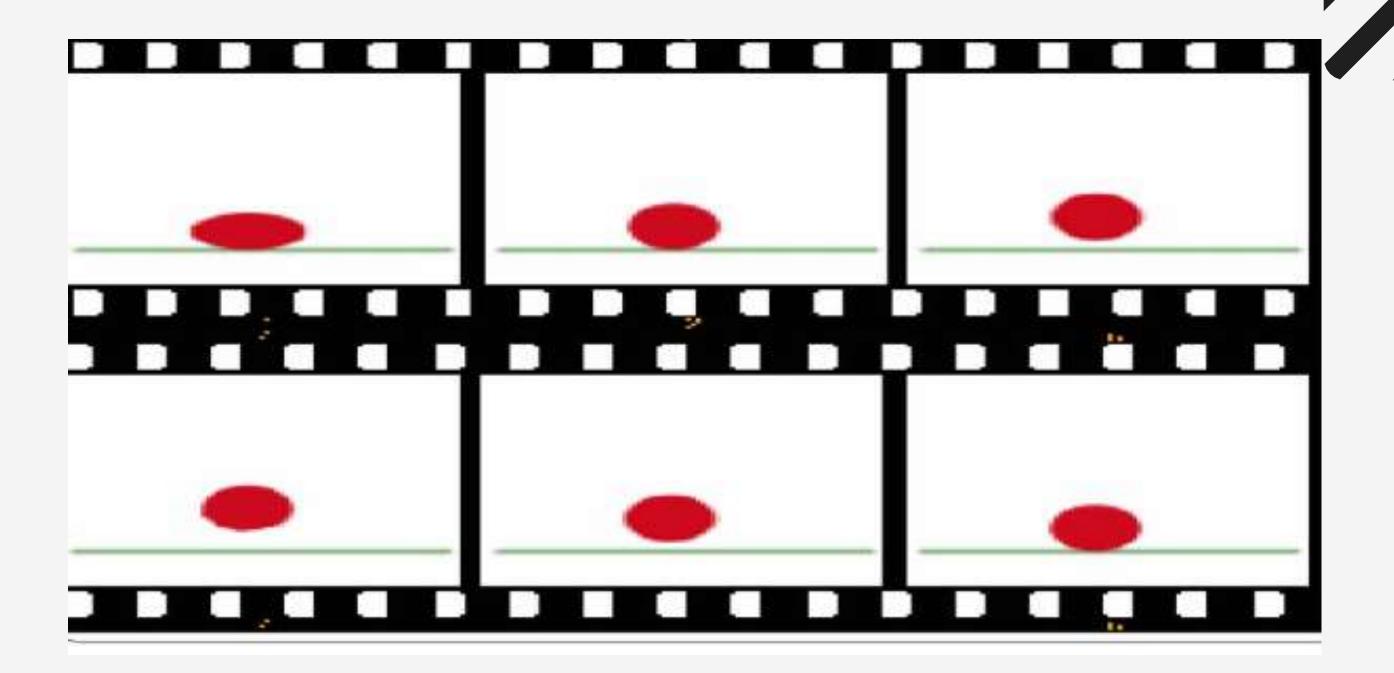


KEY FRAME SPECIFICATIONS

- □A key frame is detailed drawing of the scene at a certain time in the animation sequence.
- □Within each key frame, each object is positioned according to the time for that frame. Some key frames are chosen at extreme positions in the action; others are spaced so that the time interval between key frames is not too great.





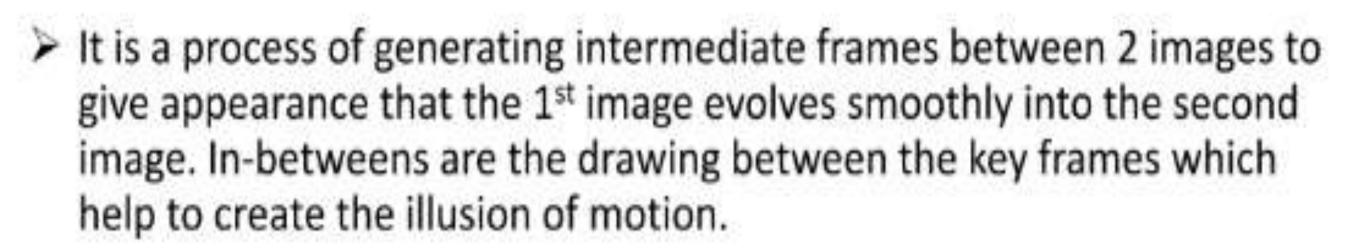








GENERATION OF IN-BETWEEN FRAMES



Film requires 24 frames per second and graphics terminals are refreshed at a rate of 30 to 60 frames per second.









Inbetweening

