**Slide 7: Types of Digital Images - Anish**

* **Types of Images:**
  + **Raster Images:**
    - Composed of pixels.
    - Examples: JPEG, PNG, BMP, GIF.
  + **Vector Images:**
    - Composed of paths defined by mathematical equations.
    - Examples: SVG, EPS, PDF.

**Slide 8: Raster Images - Anish**

* **Raster Images:**
  + Best for complex images with many colors, like photographs.
  + **Common Formats:**
    - **JPEG:** Lossy compression, widely used.
    - **PNG:** Lossless compression, supports transparency.
    - **GIF:** Limited to 256 colors, supports animation.
    - **BMP:** Uncompressed, large file size.

**Slide 9: Vector Images - Anish**

* **Vector Images:**
  + Best for images with clear edges and shapes, like logos and icons.
  + **Common Formats:**
    - **SVG:** Scalable Vector Graphics, web standard.
    - **EPS:** Encapsulated PostScript, used in professional printing.
    - **PDF:** Portable Document Format, widely used for documents.

We are focusing on the difference…

1. Definition with Diagrams
2. Algorithms
3. Code to explain each Vector and Raster Image.
4. Where both the images are used…