

EE604: Image Processing

Assignment-I

Q1) Develop a text-to-image generation system that accepts a text input (or a string of ASCII codes) consisting of uppercase English letters (A–Z), the space character, basic punctuation marks (e.g., . , ! ?), and the newline character. The system should output an image of the text rendered in a simple bitmap font (uppercase block-style letters resembling Arial). You are not allowed to use any built-in function or library that directly performs text-to-image conversion; instead, implement the rendering logic yourself using pixel-level operations. **[5 Marks]**

Q2) Remove the stripes from the leopard in the image provided below. **[5 Marks]**

