The operations used in getting the output image 1,23 is convolution. In image processing, averaging, sharpening we use convolution between kernel and an image ! Now it is evident that output 1,2,3 are blusted as compared to the original in increasing magnitude. So the keenel matrin used will be:-(1) for output-1. an Average 3x3 convolution kernel the advantage 19 19 19 T It is advantage in the spiriter it protection with to the privation of the transfer of the terminate diana xagiona o ni allova, and anona entity repulse standed the brombing for effective (in for outpute=2 m system was no top to 02 an average 5x5 convolution kurnel 125 25 25 125 1/25 1/25 1/25 1/25 1/25 1/25 1/25 1/25 1/25 1/25 1/25 1/25 1/25 1/25 1/25 1/25 1/25 1/25 (iii) for output -3 an average 7x7 convolution matrix 111111 111111 111111