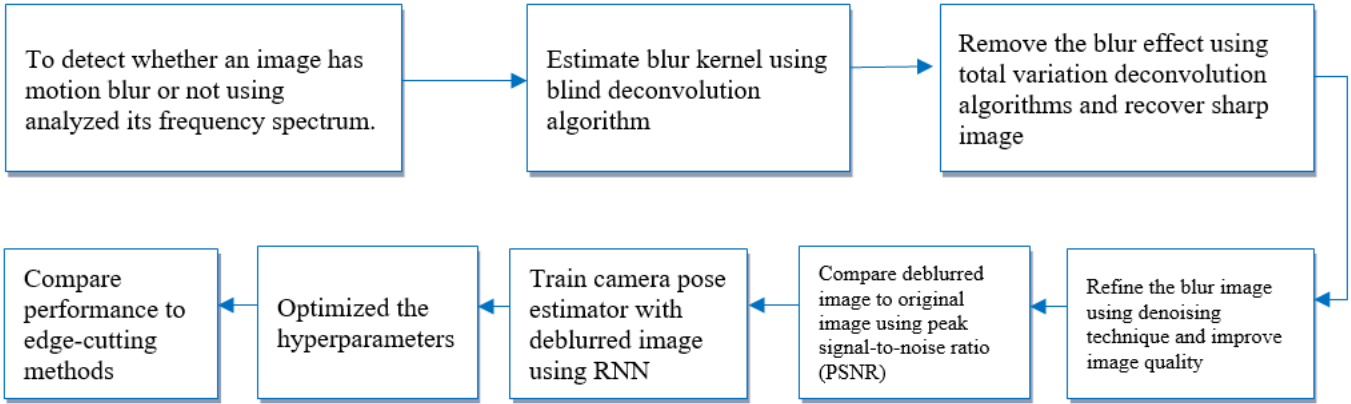
To detect whether an image has motion blur or not using analyzed its frequency spectrum.
Estimate blur kernel using blind deconvolution algorithm
Remove the blur effect using total variation deconvolution algorithms and recover sharp image
Refine the blur image using denoising technique and improve image quality
Compare deblurred image to original image using peak signal-to-noise ratio (PSNR)
Train camera pose estimator with deblurred image using RNN
Optimized the hyperparameters
Compare performance to edge-cutting methods