

A PROJECT
On
IMPLEMENTATION AND ENHANCEMENT OF ROBUST
VIDEO STABILIZATION FOR MULTIMEDIA
APPLICATION

PROJECT REF NO: 37S1101

Submitted to
Karnataka state council for science and technology
Indian institute of science campus, Bangalore-560012



Submitted by

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Abstract

Video stabilization is an important video processing technology, basically which aims at removing annoying shaky motion and motion blur from videos. Here mainly we are proposing a practical and robust approach of video stabilization that will produce stabilized videos with good visual quality. And also most of the previous methods end up producing stabilized video with lower quality. The proposed method produces stabilized video with good visual quality. To achieve this, inpainting and deblurring two algorithm is proposed, here Inpainting where we locally align the pixel to enforce spatial and temporal consistency of the completion in both static and dynamic image areas. In addition, image quality in the stabilized video is enhanced with a new practical deblurring algorithm, here we remove gaussian noise and motion blur and we sharpen certain areas of the video. The proposed video completion and deblurring methods enable us to develop a complete video stabilizer which can naturally keep the original image quality in the stabilized videos