PROCESSING COLOUR IMAGES USING MOBILE DEVICES

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ABSTRACT

Image processing on mobile devices is becoming increasingly popular. This is mainly because the quality of the in-built cameras on these devices has improved so much in recent years. Adding to this, the increase of computational processing power has too improved greatly in recent years and continues to do so. This SCARP report will illustrate the steps taken over the course of this project to provide users the functionality to process images on mobile devices, as shown in Figure 1, and also allow them to upload them to a web application which allows them to share the image. The report will then show the results and the outcome of the system. Sections include the background to the problem, the objectives, the design of the solution, and the justifications of the software / methods chosen.

Figure 1: Image as presented in the mobile application