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Thursday, August 13, 2015  
  
Ms. Pournami P N  
Assistant Professor

Department of Computer Science and Engineering

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Respected Ma’am

Subject: Request to mentor our final year project

We, Anand M.P, Ronn George Jacob, and Sreeraag Mohan intend to a project in the image processing domain as a prerequisite for the completion of our Bachelors of Technology degree. As your area of interest coincides with the domain in which we would be doing our project in, we kindly request your consent for being the mentor for the same. We have also attached an abstract of what we intend to do for your perusal.

Yours Sincerely

Sreeraag Mohan

# A peer-to-peer image sharing Android application that implements lossless image compression

**Team Members**

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**Abstract**

We aim to initially conduct a study of the existing lossless image compression algorithms and compare the compression ratios of them using a standard JPEG image. We would then implement the algorithm in Java and use the same to convert images on a devices storage to a smaller size without any loss in quality. This image of a smaller size would then be sent over to another Android phone over an ad-hoc Wi-Fi network/Bluetooth, thus enabling faster transfer times without any perceptible loss of quality in the source image.