**Course Name: Computer Vision**

**Course Code: 19AI621**

**Course Advisor: Dr. Senthilkumar T**

**Title: Lane Detection for Autonomous Vehicles using Computer Vision Algorithm**

**Submitted By:**

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**Fourier Transform on Case Study Image**

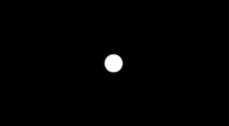
**Original Image:**

****

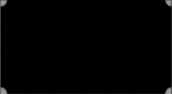
**Image After Applying Noise:**

****

**Low Pass Filter:**

****

**Decentralized Image:**

****

**Processed Image:**

****

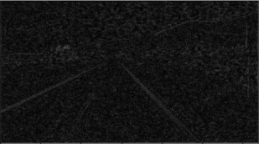
**High Pass Filter:**

****

**Decentralize:**

****

**Processed Image:**

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