**Group no:** 6

**Title of the project:** Deep Fake Video Detection

**Major area of the project:** Machine Learning

**Abstract:**

Deepfake are high quality manipulated realistic videos or pictures. Though the technology has been used in legitimate applications such as for entertainment and education, etc., deepfakes have been utilized to blackmail individuals, plan terrorist attacks, disseminate incorrect facts, defame individuals as well as foment political turmoil. So there is a need of reliable methods to detect deep fakes. It was easier to identify deepfake videos by humans during the nascent stage of this technology owing to pixel collapse phenomena that generated visible artifacts in skin tone and the general face structure. However, with the technology’s advancement, DeepFakes have evolved to be highly indistinguishable from natural images. This project deals with problem of detecting deepfakes.

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