Project Proposal

The project group contains Yogesh Mishra and myself. The Devanagari script is quite complex and is roots to a lot of Indian languages. The old manuscripts are fading and need to be protected. Technology can help digitize the scripts and store them, which will allow them to be more easily accessible and prevent from disappearing into oblivion. We want to use machine learning to perform Optical Character Recognition of the characters of the Devanagari script. Here we will use machine learning to correctly recognize the characters of the script and also prompt the wrong characters.

For a long-term goal for the project we would like to expand the project to digitizing entire documents and also auto prediction of faded text.