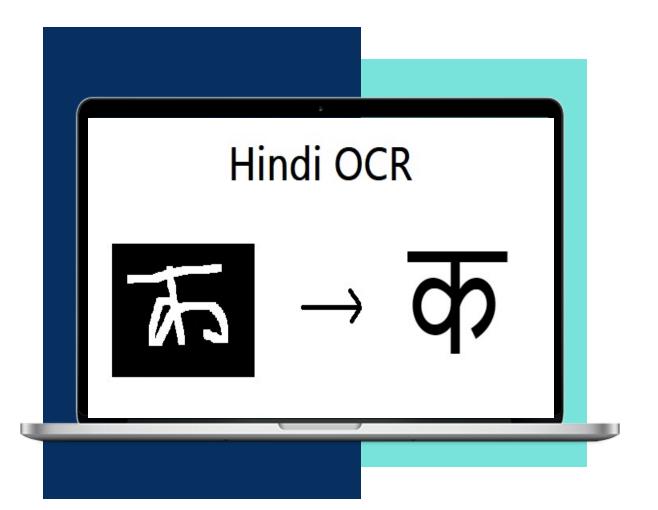


Your Approach Towards Idea







Spiral Model of Software Development

Spiral Model is chosen for to develop the software as it allows us to make small changes and test them out to build a robust software with minimal errors/faults



Most of the existing OCR software do not provide character recognition and those which do, it's available for English only



We plan to implement character by character recognition to allow them to be easily edited and retrieved



The software should be able to generate the digitized copy in the same format as the original one











Member 1 Rupin Patel

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Member 3 Parth Shah



Mentor Dr. Varalakshmi M



Member 4 Aatman Prajapati



Member 2 Shreya Kundu

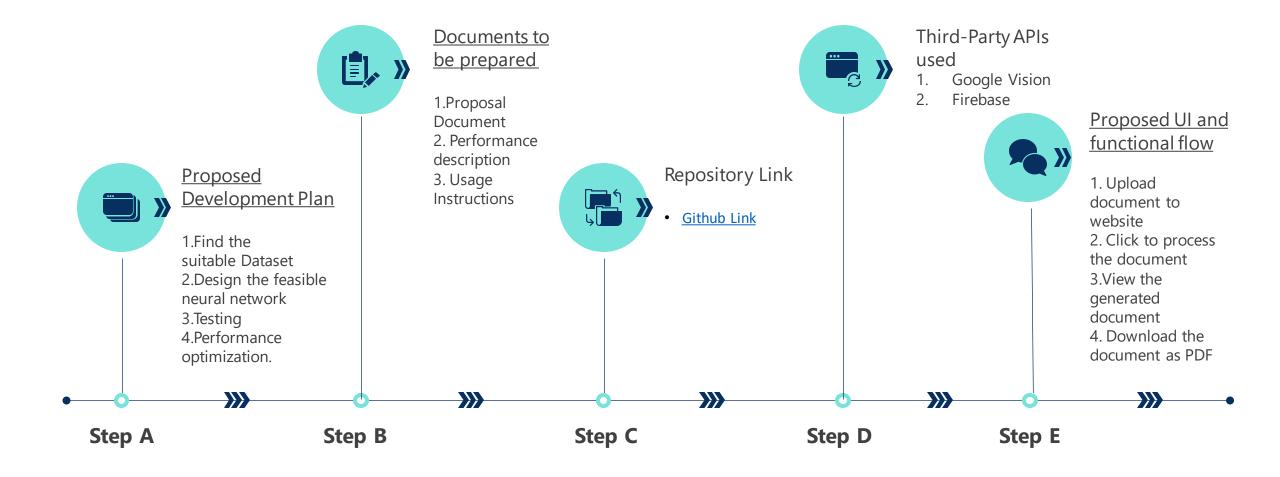


Member 5 Nishit Pandit





Development Pipeline







Vision of Innovation/Idea/Solution

We started by looking into the existing software which exist for OCR recognition in Hindi, most of them just scanned the copy and just gave an image of the document with highlighted text

We plan to design a workable model by the end of the competition with at-least 85-90% accuracy. We shall then work on to increase the accuracy up to 95% and then release a stable model.



In our solution we propose a characterbased recognition which shall convert the document to UTF-8 encoded characters which shall help in increasing the readability as well usability of the document in hand.

We found out that using a character recognition can be performed more accurately and faster via VCG16 library instead of using EasyOCR library.