**SRS DOCUMENT**

**Under the guidance of:**

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**Functional Requirements:**

The model we are proposing should be able to perform OCR for Kannada Text and display the text on the console.

**Non-Functional Requirements:**

Our primary aim is to build a top notch system, in terms of efficiency, memory space, and the time taken.

We store the dataset on the system, and aim to improve the accuracy of the same. This will increase the supportability of the model.

Scalability of the model has to be focused upon as well. With larger datasets, the model should be able to generate images with the same accuracy.

**Hardware Requirements:**

* High functioning GPU/CPU
* A system with windows/linux dependency.

**Software Requirements:**

* Python 2.7
* NumPy v1.14
* OpenCV 3.4.0
* Windows, Linux OS

**Tools Used:**

* Python Text editor
* GNU Octave

**System Architecture:**

Kannada Text Image

OCR

Code Run

OCR Scanning

Text Display on the Console