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SRN

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Name of Student

Niraj S Prasad

**Name of the
Project
Batch of 2018**

An OCR System for Printed Kannada Text

Phase

Individual Contribution

Feasibility

- Tested the already existing OCR Systems for Accuracy
- Reading previous scholarly reports and papers
- Making the presentation

Phase I

- Collected different fonts for the dataset.
- Research on different image processing -systems like Template Matching, and feature extraction for OCR.
- Initial literature survey on OCR.
- Research and downloading the unicode for Kannada Text.

Phase II

- Figured out that Template matching will not work for kagunithas and vattaksharas
- Research about Convolutional Neural Networks
- Research and algorithm definition for baseline detection, word segmentation, and character bifurcation.

Phase III

- Analysis of vattaksharas and how to include it to the system
- Collection of Vattakshara dataset
- Research and testing of samples with vattaksharas

Phase IV

- Comparing the accuracy of our system with other systems.
- Inclusion of more samples
- Presentation formatting and report design

M. K. S.

Niraj S Prasad
Signature of Student