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**Cogswell Polytechnical College**

SU18-CSE480HA

Neural Networks

**12th June, 2018**

# Document Modification History

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description** |
| 1.0 | 06/12/18 | Arjun | Initial Version |

# OVERVIEW

This is a requirement document for the **neural networks** project, which encompasses member roles/responsibilities, project description, purpose, end user, scope, functionality and use case.

# Members / Role

1. Arjun Chandrasekaran - **Project Manager/Project Leader/Programmer**

# Project Description

Using neural networks, this program aims to recognize handwritten text and convert them to word styled documents.

# Project Purpose and Scope

This product will help in preserving written text in digital form using machine learning, more specifically using neural networking. Currently being the digital age, old written notes can be converted to an editable digital document for future use. The project will be completed by December, 2018.

# End User

* **Anyone who has the desire to preserve their written work or old text for digital copies.**

# Functionality

* **Will scan an image and convert text to word styled document.**
* **Uses python and windows platform**

# Use Case

* Use Case Number: 1
  + Use Case Name: Scanned documents
  + Description: A document is scanned and saved on the computer. The program is run to scan the document for conversion with the purpose of saving it as digital document.
* Use Case Number: 2
  + Use Case Name: Scan documents through phone (Future Plan)
  + Description: Using AR to scan a document through the phone rather than a scanner and perform conversion.

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