Project Title: A Novel Method For Handwritten Digit Recognition System

Project Design Phase-I - Solution Fit

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Define CS, fit into CL

1. CUSTOMER SEGMENT(S) — CS

1.Students

2. Employees

6. CUSTOMER LIMITATIONS EG. BUDGET, DEVICES — CL

1.Network Connection

2.Input should be scanned properly

5. AVAILABLE SOLUTIONS PROS & CONS — AS

1.Conversion using other neural network algorithms such as CNN, ANN, DBN

Explore AS, differentiate

Focus on PR, tap into BE, understand RC

2. PROBLEMS / PAINS + ITS FREQUENCY — PR

1.Various input styles

2.Improper input

9. PROBLEM ROOT / CAUSE — RC

1.Hard to convert huge data

2.Manual error is high

3.Time consuming process

7. BEHAVIOR + ITS INTENSITY — BE

1.Tries other conversion websites and applications.

Focus on PR, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS TO ACT — TR

1.Hearing about the website through friends, recruiters or social media

4. EMOTIONS BEFORE / AFTER — EM

Before: Frustrated, Hopeless

After: Hopeful, Confident,

Time Saving

10. YOUR SOLUTION — SL

Our model converts handwritten digits into digital form using DNN algorithm as it has low time consumption compared to other neural network algorithms and it also gives high accuracy.

8. CHANNELS of BEHAVIOR — CH

ONLINE

Other applications such as google lens, evernote, pen to print.

OFFLINE

Asks friends or colleagues for help to convert huge data.

Extract online & offline CH of BE