Project Title: **Project Design Phase-I - Solution Fit Template** **Team ID:** PNT2022TMID34890

A Novel Method for Handwritten Digit Recognition System

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) — CS

Who want to know the different handwritten digits from person to person and who all are having a vision problem and confused about different hand writing

6. CUSTOMER CONSTRAINTS — CC

Handwriting recognition aims to design systems which are able to recognize handwriting of natural language .Methods and recognition rates depend on the level of constraints. The constraints are mainly characterized by the types of handwriting, number of descriptor, size of vocabulary, spatial layout

5. AVAILABLE SOLUTIONS — AS

The user can login into the platform and enter the handwritten digit on the writing space by this they can easily predict and detect the digit and show it on the displaying result space .If they have prob on this then they can also use the another way of uploading the PDF or image form of handwritten digit it will save there

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

To predict the changes in the handwritten digit and also easily knowing the digit also there is no confusions about the shape of the digit.

9. PROBLEM ROOT CAUSE — RC

Every person haven't had the same handwritten digits are not of the same, size, style and orientation.

7. BEHAVIOUR — BE

To easily doing this customer can directly open the platform that will avail on the browser and enter the handwritten digit and calculate the usage of it and its benefits

Focus on J&P, tap into BE, understand RC

3. TRIGGERS TR

Everyone can know about the platform by asking through friends and browse the internet.Not only by this ,also they can know from the innovations of Artificial intelligence

4. EMOTIONS: BEFORE / AFTER EM

They feel good and enthusiastic when they easily recognize the handwritten letter .They feel bad and worried when they don't know the technology fully and if any error accrued

10. YOUR SOLUTION SL

Our solution used to predict the handwritten digit and help to recognize the shapes and writing style of the individual handwriting.It save the time on confusions about the handwritten of the different person with the Artificial intelligence.

8. CHANNELS of BEHAVIOUR CH

8.1.ONLINE

Customer find the handwritten recognition website to identify digit

8.2.OFFLINE

Many people work together to identify the digits

Identify & Understand