PROMBLEM- SOLUTON FIT **Project Title: A NOVEL MODEL FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM** **TEAM ID:PNT2022TMID01504**

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS

My customer is a bank manager he trying to Recognize the digits in cheque.

6. CUSTOMER CONSTRAINS: CC

The bank manager recognize the digit but is not clear because of unique style of handwriting.

5. AVAILABLE SOLUTIONS: AS

The bank manager can predict the cheque handwritten digit to complete the transaction.

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEM: J&P

The cheque hand writing is not clear but the money transaction can not completed

9. PROBLEM ROOT CAUSE: RC

problem cause is hand written is not clear Hence the transaction is not complete

7. BEHAVIOUR: BE

The customer want to money transaction But the bank manager didn't understand the handwritten and digit hence the transaction is not compete

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

Identify strong TR & EM

3. TRIGGERS TR

problem is hand written is not clear each check take more time the bank manger had irritated

4. EMOTIONS: EM

The cheque handwritten digit is not understand it take more time the hence bank manager annoyed

10. YOUR SOLUTION SL

Use the MINIST Dataset to recognize handwritten digits convolutional neural network model created using pytorch library to solve the problem

8. CHANNELS of BEHAVIOUR CH

The customer want to money transaction But the bank manager didn't understand the handwritten and digit it's take more time hence the transaction is not compete he had annoyed

Extract online & offline CH of BE