| PROBLEM- SOLUTON FIT | Project Title: **A NOVEL MODEL FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM** | TEAM ID: **PNT2022TMID01485** |

**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 handwrittendigit 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**