Project Title: A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYTEM
Project Design Phase-I – Solution Fit   **Team ID:** PNT2022TMID29571

Define CS, fit into CC	**1. CUSTOMER SEGMENT(S)** CS • Person who are at industry side for recognizing various handwriting digits. • People working in bank, post offices and paper correction centre	**6. CUSTOMER CONSTRAINTS** • Time • Accuracy • Ease to access • Imperfect findings	**5. AVAILABLE SOLUTIONS** • In past they get trouble in finding handwritten digits • Accurate prediction • Knowledge about the system is required

(right vertical label) **Explore AS, differentiat**

Focus on J&P, tap into BE, understand	**2. JOBS-TO-BE-DONE / PROBLEMS** • There are different types of handwriting are in world. • Each and every handwriting has its own characteristics and uniqueness. • Its difficult to understand the different people's handwriting digit	**9. PROBLEM ROOT CAUSE** RC • People have different handwriting which makes it difficult for user to recognize the digits written • Vehicles moves really fast which makes it difficult to quickly recognize vehicle plate number.	**7. BEHAVIOUR** BE • User manually try to find he written digits which may lead to incorrect the postal address • User ignore the vehicle plate number that couldn't be recognized easily

(right vertical label) **Focus on J&P, tap into BE, understand**

3. TRIGGERS TR • By word of mouth • Good user experience	**10. YOUR SOLUTION** SL • Build an easy-to-use application to recognize digits • The application must run on all platforms • The application must recognize digits from all sorts of images.	**8. CHANNELS of BEHAVIOUR** CH **8.1 ONLINE** User don't take any online actions since they still follow traditional methods **8.2 OFFLINE** User recognize digits manually based on what they see

4. EMOTIONS: BEFORE / AFTER

EM

- It is a quite irritating and frustrating while manually convert the handwritten digits

- By using our system , user can save the time and reduce the error occur on recognition