# 1. CUSTOMER SEGMENT(S)



J&P

- Fintech Industries
- Supply Chain Management
- Medical data Transcriptions
- Scientific and Space Research

### 2. CUSTOMER CONSTRAINTS



- Speed and Accuracy of the system
- Size of the vocabulary
- Spatial layout
- Lack of feedback-based system

### 3. AVAILABLE SOLUTIONS







Team ID: PNT2022TMID19405

Explore AS, differentiate

## 4. JOBS-TO-BE-DONE / PROBLEMS

- To design a system that recognizes a wide range of handwriting scripts
- ML based approach to identify the character quickly and accurately
- Adaptive learning module to learn from its own instances and gets updated

### 5. PROBLEM ROOT CAUSE



- In cases where distinct characters look very similar making it hard for a computer to recognize it accurately.
- Different styles of cursive handwriting is another challenge that requires a support system based on vocabulary

#### 6. BEHAVIOUR



- In handwriting recognition (HWR), the module interprets the user's handwritten script into an appropriate digital format s
- Provision for real-time handwritten update in case if the application used by fixed and same users
- Know the market trends and adapt accordingly

# 7. TRIGGERS



- Longer and more in scale, the system understood better
- With its rich vocabulary, it has a support system to autofill the suggestions based on user input

## 9. YOUR SOLUTION



- Deep learning.
- Intelligent feedback and support system based on neural network making the system more robust

### 10. CHANNELS of BEHAVIOUR



#### 1. ONLINE

online handwriting recognition consists of interpreting handwriting represented either by the trajectory of the pen or by scanning the script

### 2.OFFLINE

• Offline handwriting recognition consists of