



### 3.1 Proposed Solution

<b>S. N O</b>	<b>PARAMETER</b>	<b>DESCRIPTION</b>
<b>1.</b>	Problem Statement (Problem to be solved)	Handwritten digits do not always have the same size, thickness and shape. So, the handwritten digits cannot be recognized correctly.
<b>2.</b>	Idea/Solution description	Handwritten digit recognition system is a way to tackle this problem which uses image of a digit to recognize the digit present in the image.
<b>3.</b>	Novelty/Uniqueness	This handwritten recognition system is meant for only digits, but other existed system is meant to recognize alphabets, expressions etc..
<b>4.</b>	Social Impact/Customer Satisfaction	<ul style="list-style-type: none"><li>○ Postal department and courier services can easily find the digits written.</li><li>○ Senior citizens who will have eye sight issues with handwritten digits can use this system to recognize the handwritten digits correctly</li></ul>
<b>5.</b>	Business Model	This system can be converted into a business model by providing services to the Banking sector and Postal sector.
<b>6.</b>	Scalability of the Solution	More number of handwritten digits can be recognized.

## 3.2 Problem Solution fit

Problem-Solution Fit canvas		Purpose / Vision	Version:
Define CS, fit into CL	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> Bankers Postal Department Old people and Common People	<b>6. CUSTOMER LIMITATIONS</b> <span>CL</span> <small>EG. BUDGET, DEVICES</small> Internet Connection	<b>5. AVAILABLE SOLUTIONS</b> <span>AS</span> <small>PLUSSES &amp; MINUSES</small> The available solutions are not specially meant for digits but our solution is meant only for digits
	<b>2. PROBLEMS / PAINS + ITS FREQUENCY</b> <span>PR</span> The frequent problem of customer is handwritten digits are confusing	<b>9. PROBLEM ROOT / CAUSE</b> <span>RC</span> The root cause of problem is many people have different handwriting	<b>7. BEHAVIOR + ITS INTENSITY</b> <span>BE</span> The customer have tried to write the digits with legible handwriting or rewrite the digits
Focus on PR, tap into BE, understand RC	<b>3. TRIGGERS TO ACT</b> <span>TR</span> Providing services and creating advertisements to banking sector and postal sector	<b>10. YOUR SOLUTION</b> <span>SL</span> Creating website for recognizing handwritten digits	<b>8. CHANNELS of BEHAVIOR</b> <span>CH</span> ONLINE Can use mobile applications or websites for recognizing digits
	<b>4. EMOTIONS</b> <span>EM</span> <small>BEFORE / AFTER</small> Before: Facing difficulties while recognizing handwritten digits After: Relieved while recognizing handwritten digits accurately		OFFLINE Write digits with legible handwriting or rewrite the digits properly
Identify strong TR & EM			Extract online & offline CH of BE

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