

Project Design Phase – I

Solution Problem Fit

Date	01 October 2022
Team ID	PNT2022TMID30139
Project Name	A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM
Maximum Marks	2 Marks

Project Title: A Novel Method For Handwritten Digit Recognition System		Project Design Phase-I - Solution Fit		Team Id: PNT2022TMID30139							
<div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">Define CS, fit into CL</div> <div style="display: flex; justify-content: space-between;"> 1. CUSTOMER SEGMENT(S) CS </div> <div style="border: 1px solid black; padding: 5px; min-height: 100px;"> 1. Students 2. Employees </div>	<div style="display: flex; justify-content: space-between;"> 6. CUSTOMER LIMITATIONS EG. BUDGET, DEVICES CL </div> <div style="border: 1px solid black; padding: 5px; min-height: 100px;"> 1. Network Connection 2. Input should be scanned properly </div>	<div style="display: flex; justify-content: space-between;"> 5. AVAILABLE SOLUTIONS PROS & CONS AS </div> <div style="border: 1px solid black; padding: 5px; min-height: 100px;"> <u>1. Conversion</u> using other neural network algorithms such as CNN, ANN, DBN </div>		<div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">Focus on PR, tap into BE, understand RC</div> <div style="display: flex; justify-content: space-between;"> 2. PROBLEMS / PAINS + ITS FREQUENCY PR </div> <div style="border: 1px solid black; padding: 5px; min-height: 100px;"> <u>1. Various</u> input styles 2. Improper input </div>	<div style="display: flex; justify-content: space-between;"> 9. PROBLEM ROOT / CAUSE RC </div> <div style="border: 1px solid black; padding: 5px; min-height: 100px;"> 1. Hard to convert huge data 2. Manual error is high 3. Time consuming process </div>	<div style="display: flex; justify-content: space-between;"> 7. BEHAVIOR + ITS INTENSITY BE </div> <div style="border: 1px solid black; padding: 5px; min-height: 100px;"> <u>1. Tries</u> other conversion websites and applications. </div>		<div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">Identify strong TR & EM</div> <div style="display: flex; justify-content: space-between;"> 3. TRIGGERS TO ACT TR </div> <div style="border: 1px solid black; padding: 5px; min-height: 100px;"> <u>1. Hearing</u> about the website through friends, recruiters or social media </div>	<div style="display: flex; justify-content: space-between;"> 10. YOUR SOLUTION SL </div> <div style="border: 1px solid black; padding: 5px; min-height: 100px;"> Our model converts handwritten digits into digital form using DNN algorithm as it has low time consumption compared to other neural network algorithms and it also gives high accuracy. </div>	<div style="display: flex; justify-content: space-between;"> 8. CHANNELS of BEHAVIOR CH </div> <div style="border: 1px solid black; padding: 5px; min-height: 100px;"> ONLINE Other applications such as <u>google</u> lens, <u>evernote</u>, pen to print. OFFLINE <u>Asks friends or colleagues for help to convert huge data.</u> </div>	