Project Title: A NOVEL METHOD FOR HANDWRITTEN Project Design Phase-I - Solution Fit Template Team ID: PNT2022TMID37085 DIGIT RECOGNITION SYSTEM CS CL 1. CUSTOMER SEGMENT(S) 6. CUSTOMER LIMITATIONS EG. BUDGET, DEVICES 5. AVAILABLE SOLUTIONS PLUSES & MINUSES There is no possibility or obtaining Important libraries and load the The user wants system to recognize the information about the type or the Inputs. shape, text, pictures by itself instead of dataset. spending some effort and time for the It is not done in real time as a person Preprocess the data. system (UI) to understand. Create GUI to predict digits. writes and therefore not appropriate for immediate text input. PR 2. PROBLEMS / PAINS + ITS FREQUENCY 9. PROBLEM ROOT / CAUSE 7. BEHAVIOR + ITS INTENSITY It is the hard task for the machine • The working process conceeds more because handwritten digits are not • To convert handwritten digits in time and less efficient. perfect and can be made with many machine readable formats. different flavors • People who are lack in computer To ensure effective and Because of the handwriting problems knowledge cannot utilize the resources. relatableapproaches for recognition of such as having mixed handwritings can • The ability to understand the styles hand written. cause various health issues and text recognition is challenging as it is done by human. TR SL 8. CHANNELS of BEHAVIOR 3. TRIGGERS TO ACT 10. YOUR SOLUTION • By learning the brand new ideas and ONLINE The handwritten digits recognition system Use online apps or any TV channels to technologies that has been used in other is the solution to this problem which uses introduce about this handwritten digits fields to solve various challenging problem the image of the digit and recognize the recognition system. By seeing the people suffering from digit present in the image. problems related to this. dentify strong TR EM OFFLINE 4. EMOTIONS BEFORE / AFTER Create awareness about methods for • Show less intensity and interest in handwritten digit recognition system in doing work progress. your surrounding. • Mental frustration and depression Having confidence that we have