

## Project Idea and Submission

Project Name: Recognizing Handwritten characters

1. The end of the project: We are challenging ourselves to make a project that will be able to recognize any given character from A to Z in uppercase and lowercase and numeric value 0-9. It is very much challenging because first of all, we are getting less time than usual and secondly, we are in our hometowns so it will be tough for us to communicate and to do the project and finally we have not got along with the concepts of this course so far.
2. The necessity of our project: Handwriting recognizer is a very useful application. People need signatures to do a lot of important works. This application will be able to identify that the signature is from the right person or not. Even by handwriting, personality can be defined by the shape, size and design of the alphabets. This can be used by law enforcement to identify potential criminals. To analyze handwriting, first, the machine must identify the alphabets which is the basic work. And in our project, and as beginners, we are trying to make our machine identify the alphabets.
3. Contributions: This is a big project and now we are not actually sure what we are going to contribute as we only have the primary knowledge of the project. We only know where we have to go. The path is still unclear and unknown. So it will be hard to define the contribution in the very beginning.
4. Timeline for the project: As described earlier, the path is unknown and unclear. So, the timeline is also unclear but as we are always able to finish our project by the end of every semester, we hope that we will be able to finish this project by the end of this semester. But also as the project is big and tough for us, I think we will be needing more than 3.5 months to make this project perfect as we are expecting