**Problem Statement**

The situational problems that exist with current similar implementation of Handwritten Equation Recognizer have numerous problems like not being based on pure machine learning which won’t be able to take advantage of the huge processing power of the machines that exist in today’s world, and not having enough data to accurately predict the characters that are extracted from the image being fed into the software. Additionally, using conventional way of computing equations are also not productive due to requiring huge amount of manual input from the user. Further problems encountered in manual input is that due to complex nature of certain problems there can occur user error during manual input of data inside a calculator. This causes discrepancies and errors in the obtained data and can cause devastating effect on some fields. Handwriting Equation Recognizer solves this problem by requiring very less.