**Project Status Report**

**Project topic:** Handwritten Equation Solver using Convolutional Neural Network

Team Members: Sampreeth, Lithiya M, Mithwa Ravindran, Srithin Raj

Mentor: Mr. Sarith Divakar (Assistant Professor, LBSCEK)



On Track

* Project zeroth proposal presented to project coordinator Mr. Rahul.C
* Learned fundamentals about SymPy
* Currently reviewing basic python language concepts
* Read four IEEE research papers regarding the topic
  + Savita Ahlawa, Amit Choudhary, Anand Nayyar, Saurabh Singh and Byungun Yoon, “Improved Handwritten Digit Recognition Using Convolutional Neural Networks (CNN)”, 12 June 2020
  + Hai dai nguyen, Anh duc le and Masaki nakagawa, “Recognition of Online Handwritten Math Symbols using Deep Neural Networks”,30 September 2016
  + Azadeh Nazemi, Niloofar Tavakolian, Donal Fitzpatrick, Chandrika Fernando, Ching Y. Suen, “Offline handwritten mathematical symbol recognition utilising deep learning”,16 Oct 2019
  + Md Bipul Hossain, Y.A. Joarder, Md Zahidul Islam, Md Jashim Uddin, “Recognition and solution for handwritten equation using convolutional neural network”, June 2018

Date: 10/10/2020

Place: Kannur