Cairo University

Faculty of Engineering

Computer Engineering Department

Image Processing

LogIm

Project Proposal Report

CMP 2020

Team Members Info:

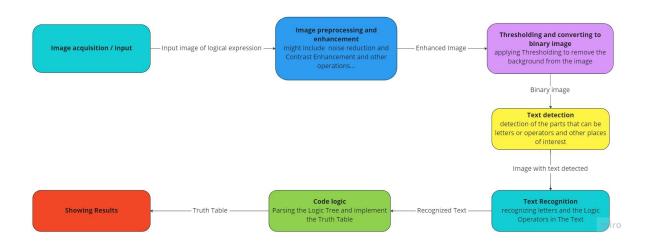| Name	Sec	BN	Email
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● Description:

The idea of the project is to build a system given a picture of a logical expression, (LogIm) should detect and recognize logical expression and generate the truth table, it's limited to 5 inputs and only one output.

It Can be used by the Student of the First Year CMP in Logic Design Course as Most of The websites that generate the Truth Tables needs the input to be a text with a Strict Format

● Block Diagram

● Non-primitive Functions:

- SVC module from sklearn.svm

● References:

- Burger, W. (n.d.). Principles of Digital Image. Hagenberg.
- Chlamtac, I. (n.d.). Text Segmentation and Recognition for Enhanced Image Spam Detection. Tiruchirappalli,India: Bharathidasan University.
- Gonzalez, R. C. (2007). Processing, Digital Image. Pearson.
- Kristin P Bennett, C. C. (n.d.). Support Vector Machines.