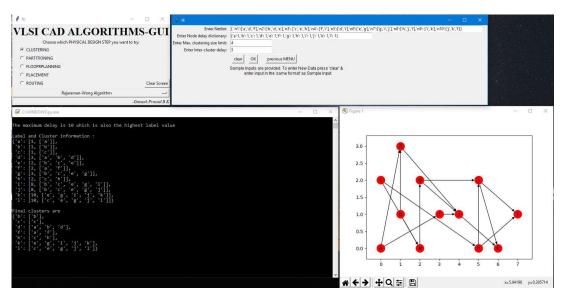
MEL G641 CAD for IC Design Project Report

GUI implementation of CAD algorithms using Python

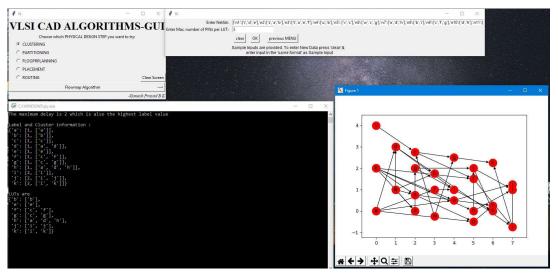
Ganesh Prasad B K (2018H1230151G)

M.E Microelectronics
Department of Electrical & Electronics
BITS Pilani – K K Birla Goa Campus
Zuarinagar, Goa 403726

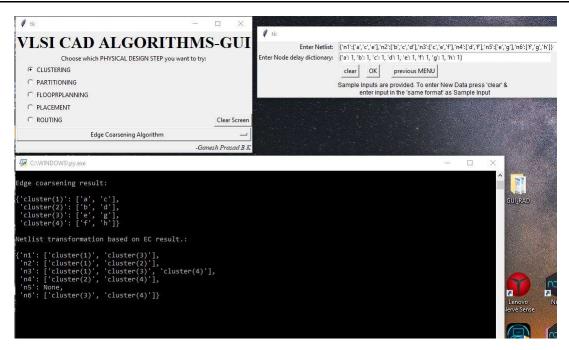
Below are the output images of GUI implemented for various algorithms on CAD



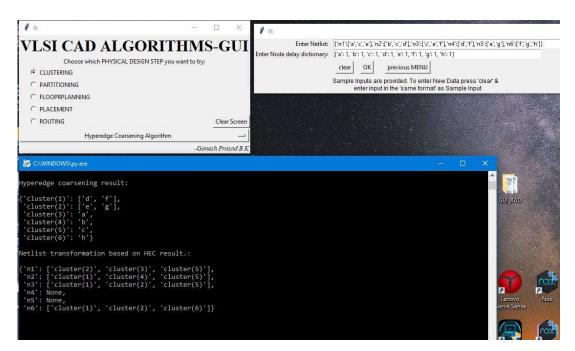
Clustering: Rajaraman-Wong Algorithm



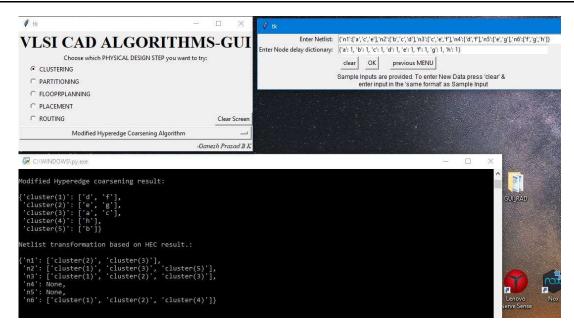
Clustering: Flowmap Algorithm



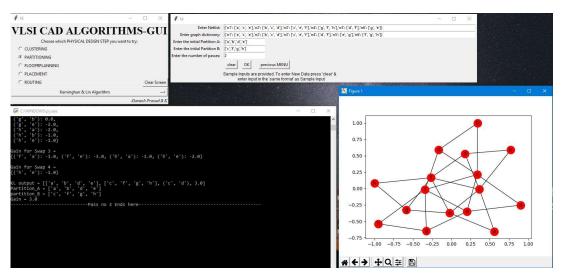
Clustering: Edge Coarsening Algorithm



Clustering: Hyper-Edge Coarsening Algorithm



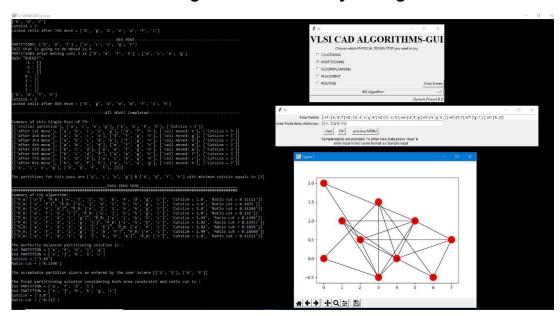
Clustering: Modified Hyper-Edge Coarsening Algorithm



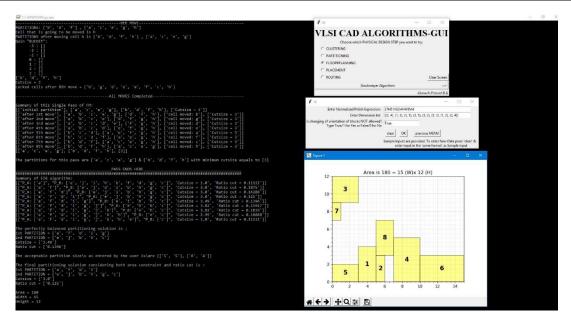
Partitioning: Kernighan-Lin Algorithm



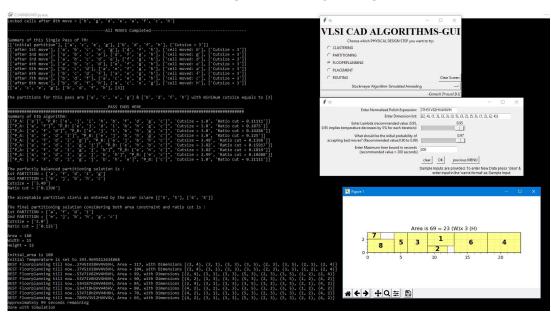
Partitioning: Fiduccia-Mattheyses algorithm



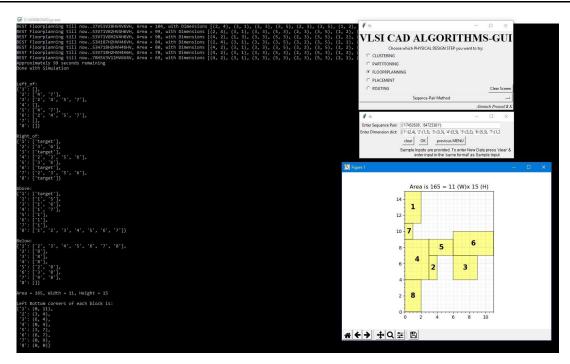
Partitioning: EIG Algorithm



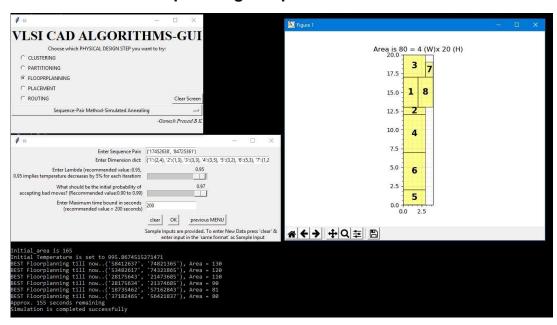
Floor planning: Stockmeyer Algorithm



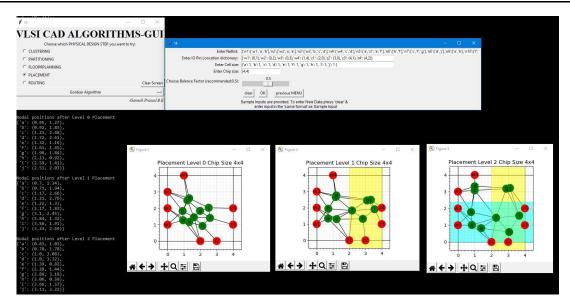
Floor planning: Stockmeyer Algorithm with Simulated annealing



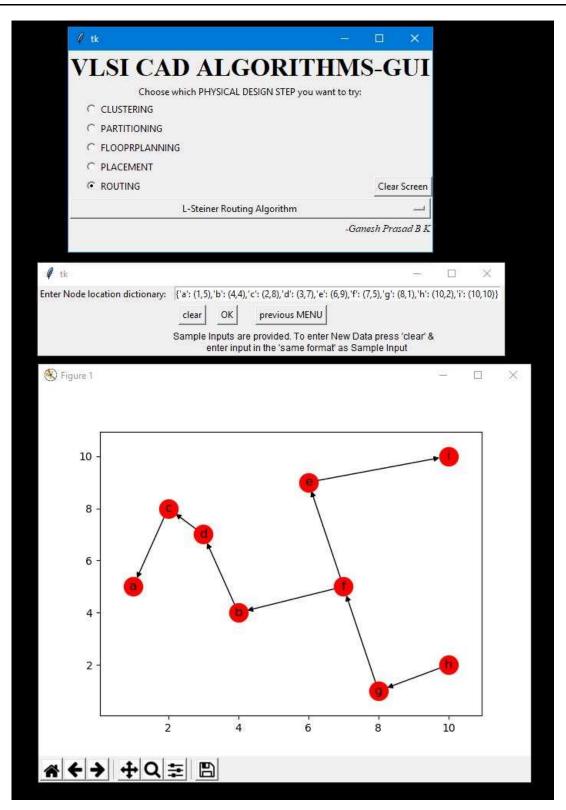
Floor planning: Sequence-Pair Method



Floor planning: Sequence-Pair Method with Simulated annealing



Placement: Gordian Algorithm



Routing: Steiner Routing Algorithm