THEORY OF COMPUTATION AND COMPILER DESIGN PROJECT

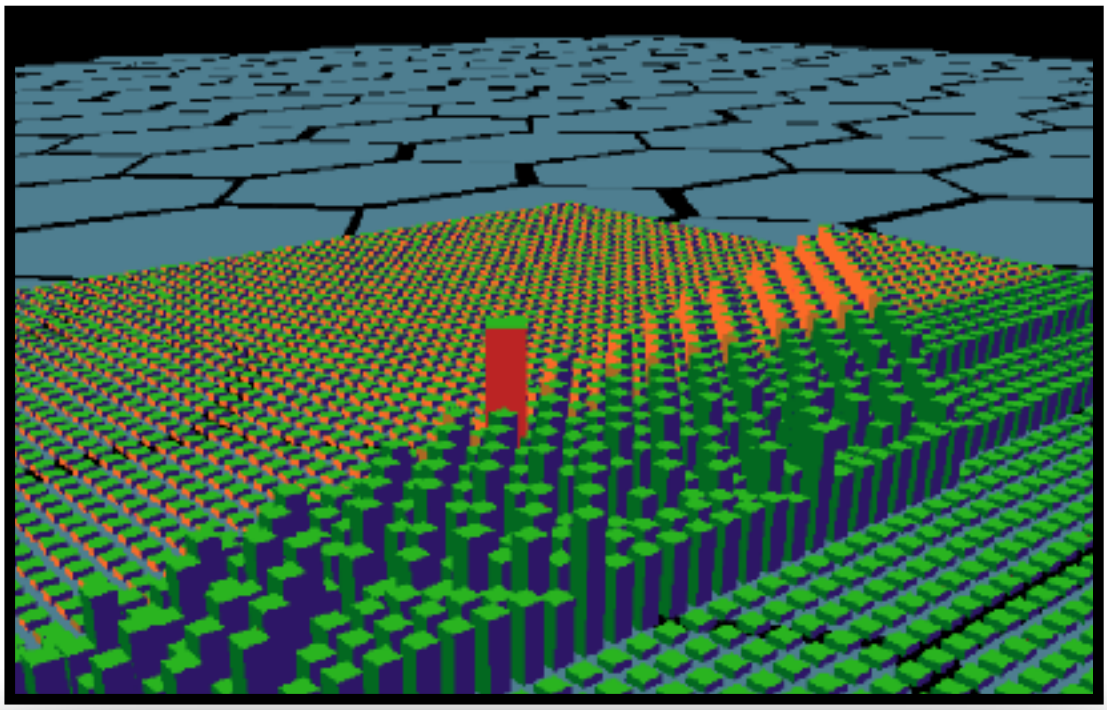
(CSE2002)

Prof. Karmel A

WINTER SEMESTER 2016-2017

Analysis Of Research Papers Pertaining To Cellular Automata

- Exploring Cellular Automata.
- Various Applications of Cellular Automata.



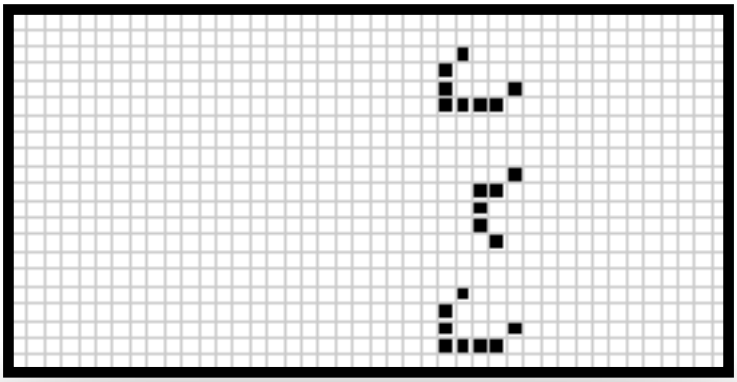
KASHISH MIGLANI(15BCE1003)

OSHO AGYEYA(15BCE1326)

UTSAV RAI(15BCE1352)

ABSTRACT

- A cellular automaton is a collection of "coloured" cells on a grid of specified shape that evolves through a number of discrete time steps according to a set of rules based on the states of neighbouring cells.



- Cellular automata have many advantages for geographic modelling. They are capable of supporting very large parameter spaces for simulation.
  For example-A one dimensional CA with a binary state set and 13 cells has 213 possible configurations.

- We will be studying various case studies about Cellular Automata and Cellular Automata Models and We will be exploring various common applications related to it.