Aum Sri Sai Ram

MTCS 103(P): Practical Parallel Processing

Lab Work XII & XIII

Opening date: 1st Oct 2021

**Due date: 9th Oct 2021**

Follow Academic Integrity and Honour Code.

Game of Life: Implement in MPI platform.

- Consider the Game of Life problem as given in the link below.
- Design a Task Channel Model and develop the parallel solution.
- Implement your solution using MPI.
- Run the program instances on some of the data sets from the link given below
- Comment on the efficiency of your program
- Comment on scalability of your program

## The Link:
https://www.kaggle.com/c/conways-reverse-game-of-life-2020/data

Please note:
- The link points to a challenge where the issue is to train models.
- We are not attempting that. We are interested in a MPI program working efficiently which is scalable. You may need to use more than one data set to work upon. This link would help.
- Link is used to define the problem and for you to download data sets.
- You may also use the link to draw ideas and inspirations