Problem 1

Host By: Faculty of IIT Mandi

Preamble to the Problem:

Have you ever been fascinated by jigsaw puzzle, remember our childhood time goes on by solving it. This time Exodia-2018 takes the jigsaw puzzle to whole new level by inscribing it into algorithm designing.

Problem Statement:

Have you ever think of jigsaw puzzle to be solve automatically, so gear up your system and start brain-storming to develop an algorithm that automates this solving. You will be a distorted version of a complete original image, and patches from the clean original image. And your task is to develop an algorithm that constructs the clean version of the complete image, from the patches.

Testing:

For testing purpose, there would be 3 test cases for which the above task should be demonstrated.

Link for test cases:

https://drive.google.com/drive/folders/1_HCmf__j191QdgfmHcYt3oX1pfofo2uk

General Rules:

1. It will be an onsite event.
2. You have to present a working prototype of problem statement.
3. Documentation and video of your model should be mailed to gauravkr.ex12@gmail.com prior to 5th April 2018.Prefer drive links for videos.
4. Decision of the judges will be final.
5. Teams will be judged on the basis of innovation, design, social impact, working condition, reliability.

Team Specifications and Eligibility:

1. Each team can have at most 5 members, individual participation is allowed.
2. Students from different educational institutes can form a team.
3. All students with a valid identity card of their respective educational institutes are eligible to participate.

Prizes: Chance to have an internship with the professors in IIT

Registration: Rs.100

Event Coordinators: Ayush meghwani(95099 25365) Ritwik Saha(7838958076) Gaurav kumar(9587761292)