**Comparing performance of local search and GA**

**For the Exam Scheduling task**

**Instructions:** Following rules will be enforced for this assignment

* Group project (2 to 3 students per group)
* No Late submission

**Please remember that PLAGIARISM is INTOLERABLE and anyone found involved in it will get   
100% penalty.**

**FILES:**

|  |  |
| --- | --- |
| File Name | Description |
| R\_Data.csv | Contains registration data of students |
| Capacity.csv | Room capacity of the available rooms |
| DaysSlots.csv | Total days and total slots per day |

**TASKS and Deadlines:**

|  |  |  |
| --- | --- | --- |
| Tasks | Deadline | Marks |
| Creating a Group | Tuesday June 15, 2021 | 1 |
| Solution Representation and Fitness computation | Thursday June 17, 2021 | 2 |
| Implementation of Neighborhood operator | Saturday June 19, 2021 | 2 |
| Local Search Complete | Sunday June 20, 2021 | 2 |
| Crossover and mutation operations | Tuesday June 22, 2021 | 2 |
| Implementation of GA | Wednesday June 23, 2021 | 2 |
| GA + Local Search | Friday June 25, 2021 | 2 |
| Report | Saturday June 26, 2021 | 2 |