



Cairo University
Faculty of Engineering



DATA STRUCTURES AND ALGORITHMS
CMPN102
MARS EXPLORATION PROJECT
PHASE2

Members name	ID	Email
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Workload:

Abdelrahman Ezzat	Omar Amin
<ul style="list-style-type: none"> • Reading Input in UI • Output file in UI • Priority Queue DS • Modes of operation 	<ul style="list-style-type: none"> • Formulation event • Cancellation event • Promotion event • Modes of operation
Amr Ahmed	Yomna Osama
<ul style="list-style-type: none"> • Action Class Assigning Rovers to missions Check Waiting Mission Move to execution Auto Promotion 	<ul style="list-style-type: none"> • Action Class Assigning Rovers to missions Check Waiting Mission Move to execution Auto Promotion • Move rovers to Maintenance • Hashtable DS

Bonus:

- 1- Mountainous: promotion, Cancellation (Completed the project with all cancelled parts)
- 2- Rover's speed
- 3- Rover's maintenance