

**Cairo University**

**Faculty of Engineering**

**pr**

Data Structures and Algorithms  
Cmpn102  
Mars exploration Project  
Phase2

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| Members name | ID | Email |
| Abdelrahman Mohamed Ezzat | 1190158 | rahmanezzat14@gmail.com |
| Omar Mohamed Ahmed Amin | 1190204 | oamin.omar@gmail.com |
| Amr Ahmed Abdel Zaher | 1190074 | amr23034@gmail.com |
| Yomna Osama Hussien | 1190203 | yomna.osamma@gmail.com |

# Workload:

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| Abdelrahman Ezzat | Omar Amin |
| * Reading Input in UI * Output file in UI * Priority Queue DS * Modes of operation | * Formulation event * Cancellation event * Promotion event * Modes of operation |
| Amr Ahmed | Yomna Osama |
| * Action Class   Assigning Rovers to missions  Check Waiting Mission  Move to execution  Auto Promotion | * 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