<p style="text-align:center"><u>**Description Document**</u></p>

1. **A) Python Version: 2.7**
   B) Spark Version: 2.2.1

2. **A) Task 1:**
   a. **Create a new folder and copy the Anmol_Chawla_Betweenness.py and the ratings.csv file.**
   b. **Then open the command terminal in that folder and write the following command to generate the output file of the name Anmol_Chawla_Betweenness.txt**
   c. **Command: spark-submit Anmol_Chawla_Betweenness.py ratings.csv**

   B) Task 2:

   a. **Create a new folder and copy the Anmol_Chawla_Community.py and the ratings.csv file.**
   b. **Then open the command terminal in that folder and write the following command to generate the output file of the name Anmol_Chawla_Community.txt**
   c. **Command: spark-submit Anmol_Chawla_Community.py ratings.csv**

   C) Task 2 Bonus:

   a. **Create a new folder and copy the Anmol_Chawla_Community_Bonus.py and the ratings.csv file.**
   b. **Then open the command terminal in that folder and write the following command to generate the output file of the name Anmol_Chawla_Community_Bonus.txt**
   c. **Command: spark-submit Anmol_Chawla_Community_Bonus.py ratings.csv**