**SOCIAL NETWORK ANALYSIS**

**IDENTIFICATION OF INFLUENTIAL NODES**

**DATASET : SBCN- CTM**

**K normalization [ for k=1000, 1250, 1500, 1750, 1950, 2250]**

The top k ranked nodes are found and they are normalized separately. They are again ranked based on the new values and ordered as done previously.

|  |  |  |
| --- | --- | --- |
| **K value** | **Top k nodes count** | **Top k nodes with order** |
| 1000 | 1 | [7018] |
| 1250 | 3 | [7018, 204054, 204004] |
| 1500 | 5 | [7018, 110028, 204054, 204004, 202109] |
| 1750 | 12 | [7018, 110028, 110108, 204054, 204004, 202109, 11115, 106191, 107177, 204146, 9905111, 108172] |
| 1950 | 28 | [12210, 7018, 111093, 110108, 110028, 3136, 203101, 203018, 204054, 202179, 204004, 202109, 201253, 204144, 112045, 5067, 11115, 203134, 106191, 107177, 206038, 9905111, 204146, 108172, 204189, 7170, 205089, 8241] |
| 2200 | 35 | [12210, 6023, 110050, 7018, 111093, 110108, 110028, 3136, 203101, 203018, 204054, 9907086, 202179, 204004, 202109, 201253, 204144, 112045, 5067, 11115, 203134, 106191, 107177, 3025, 5127, 8074, 206038, 9905111, 204146, 108172, 204189, 205101, 7170, 205089, 8241] |