**Multiple Linear Regression: -**

**R2 Value = 0.78**

**Support Vector Machine:-**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.NO** | **HYPER PARAMETER** | **LINEAR R2 VALUE** | **RBF(NON-LINEAR) R2 VALUE** | **POLY R2 VALUE** | **SIGMOID R2 VALUE** |
| 1 | C10 | 0.60 | 0.14 | 0.41 | 0.40 |
| 2 | C100 | 0.62 | 0.61 | 0.61 | 0.52 |
| 3 | C500 | 0.76 | 0.66 | 0.82 | 0,44 |
| 4 | C1000 | 0.76 | 0.81 | 0.85 | 0.28 |
| 5 | C2000 | 0.74 | -0.85 | 0.86 | -0.59 |
| 6 | C3000 | 0.74 | 0.86 | 0.85 | -2.12 |
| 7 | C5000 | 0.74 | 0.87 | 0.85 | -7.53 |

**SVM – REGRESSION –RBF - R2 VALUE WITH C=5000 VALUE = 0.87**