1.Support Vector Machine :

S.NO	Hyper Parameter	Linear R^2 value	Rbf R^2 value	Poly R^2 value	Sigmoid R^2 value
1	C=10	-0.03964	-0.05680	-0.0536	-0.05471
2	C=100	0.1064	-0.05072	-0.0198	-0.0304
3	C=500	0.592897	-0.0243	0.11468	0.07057
4	C=1000	0.7802	0.0067	0.26616	0.18506
5	C=1500	0.85685	0.03776	0.38751	0.29490
6	C=2000	0.87677	0.06751	0.481002	0.39706
7	C=3000	0.895674	0.06751	0.637006	0.591363

SVM - Regression ,acceptable R^2 value=0.895674
Used Parameters :(Kernel: Linear , C=3000)