

**Course Work: Collaborative Filtering**  
**Assignment No.1 Report**

MAE table for User-Based approach

	K =10	K=20	K =30	K=40	K=50
Fold 1	0.76208424	0.7526601	0.75273121	0.7529733	0.75363184
Fold 2	0.74922404	0.7396596	0.73895325	0.74002126	0.74092716
Fold 3	0.74941709	0.73897463	0.73746467	0.73752042	0.73810018
Fold 4	0.74366147	0.73522938	0.73488766	0.73503262	0.73593911
Fold 5	0.75217146	0.74091496	0.73943641	0.74037654	0.74098665
Average	0.751312	0.741488	0.740695	0.741185	0.741917

MAE table for Item-Based approach

	K =10	K=20	K =30	K=40	K=50
Fold 1	0.77301555	0.77825259	0.7857525	0.79252708	0.79742191
Fold 2	0.75718336	0.76242506	0.77065446	0.77731034	0.78240935
Fold 3	0.75597717	0.75807746	0.76429389	0.769162	0.77369612
Fold 4	0.76156813	0.76476524	0.77074891	0.77556723	0.7800813
Fold 5	0.76469784	0.76783513	0.77499456	0.78119016	0.78682211
Average	0.762488	0.766271	0.773289	0.779151	0.784086