Conclusion

A recommender system which is able to recommend courses for students would be helpful for students to take wise and well informed decisions while choosing their courses. For our project we have successfully implemented a recommender system for recommending courses given a dataset of ratings provided by various users. This system could provide recommendations for both new users as well as users who have already taken a few courses . We have written a code in python to implement this recommender system which uses collaborative and knowledge based techniques. Given a huge list of courses and users it would be very beneficial to implement the recommender system on online course platform for the college level M.O.O.C portals which would substantially decrease the time taken for the computations by tapping into the parallelism mechanism.The code to obtain the top 5 best rated courses of the given list which could be used to recommend courses for a new user has been made using python as it is one of the easier languages to implement the model and also to test it further using the same platform .The main use of the intended project has been achieved to a certain initial degree and this will be helpful in a very strategic manner for students to get the best courses suitable for them and also it will save the time of the users . It is working with the review classifier having an accuracy with naive bayes of 71% and the user classifier has an accuracy with the basic linear model of 60% . This here shows that many recommendation are being considered by the end users while the probability of a new course being added to their recommendation is also high the system will get better as the database of the users and reviews gains a certain depth in it .

This intended project has been developed as a collective effort of the team involved in the research and its first users have also been able to give the recommendation to make the classifier better such that the end product works with a certain accuracy aforementioned in the article