Educational Data Mining (EDM) is the process of converting raw educational data to useful information that can be utilized by educational institutions, students, and other educational researchers. Prediction of a student's performance is one of the oldest and most popular applications of EDM, and it provides educational institutions opportunities to improve and maintain students' accomplishment during their presence in the institutions. Different techniques and models have been applied. In this thesis, Decision Tree and Neural Network approaches have been carried out to predict the student academic performance, which is determined by whether the student can accomplish his or her final graduation degree based on their background information. Student attributes information has been analyzed and graphical visualization results have been delivered to enhance the implementation of these two machine-learning approaches. The performance of both approaches have been evaluated and compared.

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The public is welcome to attend.