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# A Survey Of Link Prediction In Social Network Using Deep Learning Approach

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**Abstract:** In recent days social networks grow at every timestamp. Peoples are communicating with each other through social applications. So link prediction is the research trend in the current era. Through this link prediction, more people can connect with each other for communication-based on their similar features. In this area various machine learning techniques like supervised and unsupervised learning are used to improve the performance and similarities based features. Hence, Deep learning models are used to give better results as we take various analyses of research papers.

**Index Terms:** Deep Learning, Deep walk, Line ,Link prediction, Network embedding, Social network

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