**Capstone Project Inception and Registration Information**

1. Title (up to 10 words) :  
   *Citation networks evolution using Dynamic Network Embeddings*
2. First advisor’s full name :   
   *Zeev Vokovich*
3. First advisor's email address :   
   *vlvolkov@braude.ac.il*
4. Second advisor’s full name :   
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1. Category :   
   *Research*
2. Explain the project's category in a few sentences (i.e., why it is a research project) :  
   *The project is defined as a research project due to its focus to explore the dynamic networks in the particular field of citation. Our aim is to investigate the citation’s dynamic networks evolution over time and to discover the best method for capturing the network changes. Moreover, our goal is to be able to make conclusion about certain nodes in the citation dynamic networks.*
3. General description of the problem:

*Nowadays, there is a huge number of articles published across the web. Each article quotes another to build upon existing knowledge to make new conclusions. These citations network can be translated to dynamic embedded network that change over time dynamically. By using dynamic network embeddings, we wish to capture the temporal structure in these networks, uncovering latent patterns, and visualizing the progression of knowledge within a specific field.*

1. Keywords (Up to 5, separated by commas) :

*Dynamic Network Embeddings, Network Evolution Analysis, Temporal Continuity, Evolving Node, potential link prediction*

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3. Link to git Repository :   
   <https://github.com/AvishayBR/Degree_FinalProject.git>
4. This project is being conducted for an outside company:  
   *No*