CHRIST
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Notice for the PhD Viva Voce Examination

Mr Akhil M Nair (Reg. No. 1840072), PhD scholar at the School of Sciences, CHRIST (Deemed to be University), Bangalore will defend his PhD thesis at the public viva-voce examination on Saturday, 02 July 2022 at 10.00 am online on the WebEx Meeting platform.

Title of the Thesis	:	**An Efficient Framework for Scientific Article Recommendation System**
Discipline	:	**Computer Science**
External Examiner (Outside Karnataka)	:	**Dr Vivek Deshpande** Professor Vishwakarma Institute of Information Technology Survey No. 3/4, Kondhwa (Budruk) Pune – 411048, Maharashtra
External Examiner (Within Karnataka)	:	**Dr Thippeswamy G** Professor and Dean Department of CSE BMS Institute of Technology and Management Doddaballapur Main Road Avalahalli, Yelahanka Bengaluru-560064 Karnataka
Supervisor	:	**Dr Jossy P George** Professor Department of Computer Science School of Sciences CHRIST (Deemed to be University) Pune Lavasa Campus Pune, Maharashtra

The members of the Research Advisory Committee of the Scholar, the faculty members of the Department and the School, interested experts and research scholars of all the branches of research are cordially invited to attend this open viva.

Registrar

Place: Bengaluru
Date: 23 June 2022

ABSTRACT

Excess data makes it challenging to extract information that is relevant to a domain of study or research. Existing state-of-the-art systems focus majorly on the selection of highly connected, prestigious and cited articles, regardless of the relevance of papers. To improve quality of findings, recommender systems which are a subclass of information filtration systems are used. They filter out relevant information over prestigious data from an existing repository of information. There are various sub-domains under recommender systems. This study focuses on citation recommendation. Citations are an integral part of any scientific paper, academic dissertation or projects. Finding appropriate citations for any work is a scholar's most time-consuming task. Thus, a well-defined citation recommendation system provides fulfillment and completeness for citing the giants' works. The thesis aims to study existing frameworks for citation recommendation systems and identify the best dataset to work on graph-based recommender systems. A framework that recommends the most similar and relevant article to the user rather than prestigious authors or papers is here by proposed. The study explores various machine learning and deep learning techniques and methods which can be used effectively in recommending loosely connected yet highly relevant articles.

Keywords: Citation Recommendation System, Scientific Article Recommender, Graph-Based recommendation, Reinforcement Learning, Graph Convolutional Networks, Content-Based Recommendation