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| UNIVERSITY OF INFORMATION TECHNOLOGY  **ADVANCED PROGRAM**  **IN INFORMATION SYSTEMS** |  |
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**COMMENTS OF THESIS’S REVIEWER/ADVISOR**

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| **Thesis title:** | | |
| **SEMANTIC PATH BASED PERSONALIZED RECOMMENDATION SYSTEM (SEMREC) IN WEIGHTED HETEROGENEOUS INFORMATION NETWORK (WHIN)** | | |
| **Students:** | | **Advisor:** |
| Nguyễn Đức Huy - 14521166 |  | Assoc. Prof. Đỗ Phúc |
| Huỳnh Tuấn Kiệt - 14521168 |  |  |
| **Comments**  In this thesis two students study meta-path based similarity measure for Collaborative Filtering problem in unweighted heterogeneous information network and then offer a modified version to apply it into weighted heterogeneous information network (WHIN).  An application was built to compare the meta-path (in WHIN) based CF method with the existing neighbor-based CF method. In carried tests, the results of two methods were evaluated in three measures: the accuracy (RMSE), performance (execution time) and memory in use.  Positive:   * Study 2 stated algorithms; * Offer a modified meta-path based similarity measure for WHIN in the CF problem with Movielen and Anime data sets; * Built the application for comparing two methods;   Shortcoming:   * Understanding of meta-path based similarity measure is not thorough; * Demonstrate with Movielen and Anime data sets but only focus on rating of user to movies. So it reduce the universality of method; * The neighbor-based CF algorithm was coded by these students. It results in lack of objectivity in comparing; * Lack of tools for big data processing such as MapReduce, Spark, …   **Overall assessment:** *(please choose one of the following categories: Fair/Good/Excellent/Outstanding)*  Fair.  **Mark:**  Nguyễn Đức Huy**: 7/10**  Huỳnh Tuấn Kiệt**: 7/10** | | |

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|  | Ho Chi Minh city, January 21st 2019Reviewer (Ký tên và ghi rõ họ tên)  PhD. Ngô Thanh Hùng |