

**COMMENTS OF THESIS'S ADVISOR**  
(Research)

Thesis title:

**SMART INTERACTIVE RETRIEVAL OF VISUAL DATA VIA SEMANTIC  
UNDERSTANDING**

Students: **Hoàng Xuân Nhật** (18125042) – **Nguyễn E Rô** (18125046)

Advisor: **Assoc. Prof. Trần Minh Triết**

**1. Research Topics and Ideas:**

The objectives of this thesis include: propose a solution (system + best practices) for visual data retrieval + develop a novel method for instance segmentation with referring expression as an initial step toward explainability in visual data retrieval.

**2. Research Methods:**

Develop & enhance the retrieval system with various interactive techniques.

Propose best practices for retrieval and conduct experiments with novice & expert users.

Propose new method for instance segmentation with referring expression.

**3. Contributions:**

Of techniques for enhancing interaction.

Of best practices for users to use the system efficiently.

A novel method for instance segmentation with referring expression.

**4. Report:**

The thesis has a logical structure and well-written

**5. Presentation:**

Excellent

**6. Publications and/or realworld applications:**

In this thesis: 03 published articles (VBS@MMN22, LSC@ICMR22, CVPR Workshop) + 02 articles under review. Each student is also co-author of many other articles published in journals & conferences.

Rank: ... **OUTSTANDING<sup>+</sup>** ...

Ho Chi Minh city, August 27, 2022

**Advisor**



**Trần Minh Triết**