Text

Description automatically generatedCỘNG HOÀ XÃ HỘI CHỦ NGHĨA VIỆT NAM

Độc lập – Tự do – Hạnh phúc

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Ho Chi Minh, Day…Month…Year 2023

# INSTRUCTOR COMMENTARY

Full name: Nguyễn Đan Trường Student ID: 19110064 Class: 19110CLA1

Full name: Đặng Ngọc Trường Giang Student ID: 19110104 Class: 19110CLA1

Full name: Khúc Nguyễn Huy Cường Student ID: 19110107 Class: 19110CLA1

Major: Software Engineering

Project name: Classifying the design style of an interior object using deep learning

Reviewer teacher: Dr. Nguyễn Thiên Bảo

**COMMENTARY**

1. Topic content and workload

* Theory
  + Study and research about design style of an interior object
  + Research about machine learning and deep learning: ResNet50, VGG19, InceptionV3, Xception.
  + Propose a method of applying deep learning to solve the problem of design style of interior object classification
* Experiments
  + Using YOLOV5 for object segmentation to collect a dataset of interior objects labeling on design styles.
  + Implement 04 models for classifying types of design style of interior object: ResNet50, VGG19, InceptionV3, Xception with the accuracy of 90%.
  + Build an application using the above model on a simple website.
* Links
  + Source: <https://github.com/huycuong291/Classifying-the-design-style-of-an-interior-object-using-deep-learning>
  + Publisher: <https://detect-style-interior.vercel.app/>

1. Advantages

* The interior object dataset can be reused.
* The models have been trained with high accuracy.
* The website is friendly and easy to use.
* Students have the capability of self-studying and active learning.
* The project can be accomplished as scheduled.

1. Disadvantages

* Limited time for developing project.
* The models have not been modified.

1. Recommend for protection or not?

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1. Type rating:

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1. Grade: ..........................(Text: )

Ho Chi Minh, Jan 2nd ,2023

**Instructor’s commentary**