电 子 科 技 大 学

UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA

实验报告

EXPERIMENT REPORT

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| |  |  | | --- | --- | | **STUDENT NAME:** | JAHID SHAHIDUL ISLAM | | **STUDENT ID:** | 202324090107 | | **COURSE NAME:** | PYTHON PRACTICAL PROGRAMMING | | **TEACHER NAME:** | PROF. RAO YUNBO | | **EXPERIMENT NO:** | FIVE | | **DATE:** | 30th MAY 2024 | |  |

1. Experiment title：Install Python Platform
2. Experiment hours：4h Experiment location: Software Building 400
3. Objectives

At the end of this experiment, you will be able to:

* At the end of this experiment, you will be able to:
* How to use Jupyter for SAM.

1. Experimental contents & step
2. Exercise 1: Triple classification confusion matrix
3. Exercise 2: Use SegmentationMetric.py to calculate evaluation metrics
4. Exercise 3: Semantic segmentation of football
5. Exercise 4: Using the SAM model for image segmentation
6. Exercise 5: Installing and configuring the SAM environment
7. Exercise 6: Using SAM auto generate image mask
8. Exercise 7: Using prompts to choose objects
9. Exercise 8: Specify a specific goal through additional points
10. Exercise 9: Specify an object through a box
11. Exercise 10: Combining points and boxes
12. Exercise 11: Batch prompts input
13. Exercise 12: End to end batch processing
14. Experimental analysis

# Exercise 1: Triple Classification Confusion Matrix

# Exercise 2: Use Segmentationmetric.Py To Calculate Evaluation Metrics

# Exercise 3: Semantic Segmentation of Football

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# Exercise 8: Specify A Specific Goal Through Additional Points

# Exercise 9: Specify an Object Through A Box

# Exercise 10: Combining Points and Boxes

# Exercise 11: Batch Prompts Input

# Exercise 12: End To End Batch Processing

Report score: .

Instructor's signature: .