# 程序代写代做 CS编程辅导

# COURSE PROIFCT CS4186 EXECUTER VISION AND IMAGE IN THE SING

1. EXPECTATION

The objective of this project is a survey of at least 3 research papers (published in recent 4 years) for a specific problem/topic of computer vision and image processing. The survey must include a critical analysis of the strengths and limitations of different techniques. Through the project, you are proceed to show knowledge (p) grade), technical capability (B to A grade) and creativity (A grade) in any topic related to computer vision and/or image processing. 163.com

It is worth mentioning that the topic chosen in this course should NOT be identical with the topic in the course of the courses. Code and demos are encouraged but not necessary for A grade.

# 2. REQUIREMENTS://tutorcs.com

- 1. Introduce the overview of the selected topic.
- 2. Detail the algorithm behind.
- 3. Critical analysis of strengths and limitations of different techniques.
- 4. Envision/discussion on future research trends.

#### 2.2 PRESENTATION (20%)

The project should be presented during the lecture/tutorial time. Each group has  $\sim$ 7 minutes. Due to the limited time, students should focus on algorithms in presentations. The presentation is scheduled for week 13 on Zoom. We will announce the details of the presentation schedule.

### 3. GROUPING Each group can have member should be listed at the end of the report for reference.

# 4. SCHEDULE

Week	Import	n	Remark
13	16-Apr	ct presentation	During lecture/tutorial
	(We will announce		The slide should be submitted together with the final report.
	the presentation time		
	changes.)		
	WeCh	at cstutores	
15	30-April 2024	Final report submission	No less than 2500 words (the
	11:59pm		reference is not included
	A agiar	mont Project	when counting the words). Formex of file / vortile
	Assigi	imem Projec	Format Military Title
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## Email: tutorcs@163.com

#### 5. SUGGESTED TOPICS

- Computer vision driven interactive 476

  Multi-sensor (one of the sensors must be camera) analysis
- X detection and tracking (X = face, gesture or pose, vehicle)
- Facial expression recognition to CS.COM
- Semi-automatic image segmentation
- 3D volume estimation
- Image or video retrieval
- X recognition with deep learning (X = object, scene or activity)
- Image editing (e.g., seam carving)
- Domain-specific image processing (cultural heritage, artwork, painting)

(You may not follow these suggested topics, and you could choose your own preference topic.)

#### 6. SUBMISSION

**Group project information for scheduling the presentation:** Please send your group project information to the TA: Yingwen ZHANG (email: ywzhang26-c @my.cityu.edu.hk), containing the topic and team members (including student name and ID) fact from should selective representative to sind sie email. The deadline for collecting the group project information is Mar. 26, 2024, 23:59. We will announce the presentation schedule before Apr. 2, 2024 in Canvas-> Announceme

## WeChat: cstutorcs

#### 7. PLAGIARISM

It is a serious fraud to plagiarize others work (e.g. published papers). Students who committed plagratism will be handled according to the global policy of university (http://www6.cityu.edu.hk/ah/). All suspected plagiarism cases will be reported to the disciplinary body of the University and not being handled in the course/departmental level.

Students, who plagiarize, as well as those who willfully lent out his/her work to others, will receive the same funds of the same funds of

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