



Ain Shams University Faculty of Engineering
Computer Engineering and Software Systems
CSE365: Computer Vision

Project Report

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Introduction

Our task is to implement an OMR for the End-Course/Module Evaluation MCQ paper. This paper contains 22 question, divided into introductory questions and body questions.

there are 3 introductory questions and 19 body questions.

AIN SHAMS UNIVERSITY
i-Credit Hours Engineering Programme
(i.CHEP)

Introduction part

Course Code: _____ Course Name: _____ Gender: ☐ 1 Male ☐ 2 Female

Semester: ☐ 1 Fall ☐ 2 Spring ☐ 3 Summer

Program: ☐ 1 MCTA ☐ 2 ENVER ☐ 3 BLDG ☐ 4 CESS ☐ 5 ERGY ☐ 6 COMM ☐ 7 MANF
☐ 8 LAAR ☐ 9 MATL ☐ 10 CISE ☐ 11 HAUD

Mark as shown: ☒ CORRECT ☐ INCORRECT

Please use a ball-point pen or a thin felt tip. This form will be processed automatically.
Please follow the examples shown on the left hand side to help optimize the marking results.

It is important to us to get feedback from you about this course/module. The results of the survey are anonymised and individual comments are not identified, so please take the time to answer all the questions as fully as you can. Your feedback will be used to review this course/module and to plan for the future.
Please select one box for each question that best reflects
Please do not identify any individuals (including staff) or comment on your comments.

Body part

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1. Teaching Sessions					
1.1 The teaching on this course/module is intellectually stimulating.	1	2	3	4	5
1.2 Matters are explained well in the teaching sessions.	1	2	3	4	5
1.3 The teaching methods used helped me to learn.	1	2	3	4	5
1.4 Lecturers were good at explaining things.	1	2	3	4	5
1.5 The course/module was academically challenging.	1	2	3	4	5
2. Course/Module Support					
2.1 I am aware of the course/module learning outcomes.	1	2	3	4	5
2.2 The assessment requirements were clear.	1	2	3	4	5
2.3 I feel well supported on this course/module.	1	2	3	4	5
2.4 Feedback on summative work was provided within the time specified	1	2	3	4	5
2.5 The workload for this course/module is manageable.	1	2	3	4	5
2.6 The assessments completed so far stimulated my learning.	1	2	3	4	5
3. Course/Module Organization					
3.1 The course/module was well organized and ran smoothly.	1	2	3	4	5
3.2 The course/module focused on what was set out in the student guide.	1	2	3	4	5
3.3 I have been able to contact staff when I needed to.	1	2	3	4	5
4. Course/Module Resources					
4.1 The course/module materials on Moodle are helpful in supporting my learning.	1	2	3	4	5
4.2 The library resources for the course/module, including its digital resources, meet my needs.	1	2	3	4	5
4.3 I am satisfied with the quality of classroom facilities for this course/module.	1	2	3	4	5
5. Course/Module Satisfaction					
5.1 Overall, I was satisfied with my experience of this course/module.	1	2	3	4	5
5.2 I would recommend this course/module to another student	1	2	3	4	5

Page 1 of 2

Beside the introduction and body parts, we have an important area in the top of the page marked by red. these 3 rectangles are very important for paper orientation, however we will only use the “lonely rectangle”(marked by yellow) to help us through our implementation.


Implementation

The implementation consists of mainly 3 part:

- 1. Identify the current orientation and adjust accordingly.**
- 2. Fill the data array.**
- 3. Process question and give out answers.**


Diving deeper into the implementation:

- 1. Identify the current orientation and adjust accordingly:**
 - i) getting “minor orientation” angle.
 - ii) getting “major orientation” angle
 - iii) rotating necessarily.
 - iv) adjusting flips with the aid of the “lonely rectangle”.
- 2. Fill the data array:**
 - i) getting centroids of answers.
 - ii) categorizing centroids into 22 questions.
- 3. Process question and give out answers:**
 - i) filtering out duplicate answer and no answer questions.
 - ii) iterating over answers places and checking centroids.
 - iii) dealing with special case question (question 3).



AIMS SHAN UNIVERSITY
College of Engineering
(CLOET)

End-Course/Module Evaluation



University of East London

Course Code: _____

Section: _____

Course Title: _____

Teacher: _____

Gender: _____

Date: _____

Times: _____

Semester: _____

Year: _____

Module Code: _____

Module Title: _____

Module Credits: _____

Module Level: _____

Module Coordinator: _____

Module Leader: _____

Module Designer: _____

Module Approver: _____

Module Reviewer: _____

Module Endorser: _____

Module Status: _____

Module Type: _____

Module Category: _____

Module Sub-category: _____

Module Outcome: _____

Module Outcome Level: _____

Module Outcome 1: _____

Module Outcome 2: _____

Module Outcome 3: _____

Module Outcome 4: _____

Module Outcome 5: _____

Module Outcome 6: _____

Module Outcome 7: _____

Module Outcome 8: _____

Module Outcome 9: _____

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