Menoufiya University	**جامعة المنوفية**
Faculty of Electronic Eng.	**كلية الهندسة الالكترونية بمنوف**
Department of Computer Sciences and Engineering	**قسم هندسة و علوم الحاسبات**

Annual Course Report

(Computer Vision and image analysis)

A- Basic Information

1. **Title and Code**
Computer Vision and image analysis- CSE461

2. **Program(s) on which this course is given**
CSE

3. **Academic year / Level of program**
4th year / 2nd Semester

4. **Units/Weekly hours**

Lecture 2   Tutorial/Practical 1/1   Total 4

5. **Names of lecturers contributing to the delivery of the course**

Dr. Osama S. Faragallah

Course coordinator: Dr. Osama S. Faragallah

External evaluators: Prof. Fawzy Tork

B- Statistical Information

No. of students attending the course: No. | 214 | 100%

No. of students completing the course: No. | 210 | 98.1%

Results:

Passed: No. | 209 | 97.7%   Failed: No. | 1 | 0.4%

Grading of successful students:

Excellent: No. | 17 | 7.9%   Very Good: No. | 26 | 12.1%

Good: No. | 67 | 31.3   Pass: No. | 99 | 46.3

Professional Information

1. Course Teaching

Topic	No of hours	Lecture	Tutorial/ Practical	Achieved ILOs
Image representation and preprocessing - segmenting simple and complex images	8	4	4	d3, d7, d9 c1, c2, c7 b1, b3 a1, a5
Labeling regions of an image - recognizing relationships between regions of an image -	8	4	4	d4, d6 c2, c6, c7 b3, b4, b9 a5, a7
Apply simple image processing techniques such as thresholding and edge enhancement - segment an image -	8	4	4	d6, d7, d9 c1, c6, c7 b1, b4, b11 a7, a12
Label the segmented regions - extract features from the regions	8	4	4	d6, d7, d9 c1, c6, c7 b1, b4, b11 a7, a12
Image representation, Image preprocessing, Statistical and structural methods of image labeling	8	4	4	d3, d6 c2, c3, c6 b4, b9, b12 a1, a12
Labeling of line drawings, Object models and matching, Knowledge based vision,	8	4	4	d4, d6, d7 c2, c3, c6, c7 b1, b4, b11 a1, a5, a7
Analysis of multiple images	8	4	4	A12, B12 C7, C6, D6
Total sum	56	28	28	

Topics taught as a percentage of the content specified:

>90 % ☐   70-90 % √   <70% ☐

2. Teaching and Learning Methods:

Lectures: √

Practical Training/ Laboratory: ☐

Seminar/Workshop: ☐

Class Activity: √

Case Study: √

Other Assignments/Homework: √

3. Student Assessment:

Method of Assessment	Percentage of total
Class tutorial and quizzes:	5 %
Mid-term examination:	10 %
Case study and/or practical exam:	10 %
Final – term examination:	70 %
Other types of assessment:	5 %
Total	100 %

Members of Examination Committee:
Dr. Osama S. Faragallah

Role of external evaluator:
The external evaluator was not effectively involved in the student examination assessment in the last academic year.

4. **Facilities and Teaching Materials:**

Totally adequate ☐

Adequate to some extent ☑

Inadequate ☐

5. **Administrative Constraints**

- Insufficient class room.

6. **Student Evaluation of the course:**   **Response of Course Team**

- Lack of practice problems and exercises   - An extra exercises and solved problems are added to the Tutorial of the course.

7. **Comments from external evaluator(s):**

Response has not received.

8. **Action Plan for Academic Year 2011 – 2012**

Improvement Field	Weak points	Action required	Person Responsible	Completion Date
Assessment Methods	No feedback of the examination to the students, so exams can not be used for learning.	- Formative exams during the term with a feedback to the students, so these examinations can be used as a method of learning.	- Faculty - Department	2013
Quality of Teaching and Learning	Students attendance at lecture are not very good	- Engagement of students from different academic years to the curriculum development	- Faculty - Department	2013
Learning resources	- there aren't laboratories - The system of maintenance and repair is not flexible enough.	-To acquire a facilities to laboratories - Maintain and repair the present equipments	- University - Faculty	2016
Course content	Still there is a gap between up-to-date information and reference text books	- add more task projects mainly for real world problem solving.	Course coordinator	2014

Course Coordinator: Dr. Osama S. Faragallah

Signature:

Date: / /