

Course Project

Milestone 1

Project Topic:

In this project we will address the problem of action recognition from Egyptian movie scenes. It is an image classification task, where video frames are classified based on people actions. For example: Hand shaking, two-people talking, group of people talking, walking, walking in groups, running, driving, dining individually, dining with a group, dancing, etc. We shall consider old and recent movies, colored and gray level videos. The classification is on the frame level.

The project will go through few milestones. For each milestone, a specific list of deliverables on a specific deadline will be required. The students will be guided to form workgroups, to prepare training and testing datasets, to construct a deep convolutional neural network for image classification, to apply pre- and post-processing steps, and to display, evaluate, and interpret the results.



Driving



Group Dining

Regulations:

- 1- You may work in teams up to **4** students. Small group to ease the communication among group members.
- 2- The deadline of the first task is on Thursday 12/05/2022 at 11:59 pm.
- 3- Submit your work to dlcv.guc@gmail.com.

Project Plan:

- 1- Create a team of at most 4 students. Name the team, use an Egyptian cinema inspired name for your team. Register the team. The link for team registration will be shared on Tuesday 10.12.2022.

Task	Announcement	Deadline
Create & register the team	07.05.2022	12.05.2022
Create training and testing dataset	14.05.2022	19.05.2022