

DMET 501 – Introduction to Media Engineering

## Assignment 2

(Due on November 17, 2023 at midnight)

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First of all, read the submission guidelines before starting. In this assignment, you are supposed to create a 3 seconds video. **Given the 90 frames of a 3 seconds video posted on the CMS**, you are required to:

1. Reduce the number of frames to have a rate of 20 frames per second resulting in a total of 60 frames. **(NOTE: do not keep the first 60 frames and drop the last 30 frames, be smart about sampling).**
2. On the resulting 60 frames, create a moving text/image containing your ID(s) moving around for the whole duration of the video by editing each frame and adding your ID(s) at different positions:
  - The ID(s) should appear to be moving gradually and smoothly (not a sudden change) from the first to the last frame.
  - The ID(s) should **not** take the same path twice.
  - The ID(s) should appear in **all frames or not less than 80%** of the frames.
  - The ID(s) should **not** be too small or too large that the movement becomes minimal.
  - In case of groups of two, both IDs should be in the video.
3. Repeat the same process given in (1) and (2) above for 5 frames per second resulting in a total of 15 frames.
4. After creating all the required frames for each frame rate, you are required to save them in an MP4 video format.
5. State the name of the concept/phenomena (not the explanation) that shows the difference between the 2 videos 20 frames/sec and 5 frames/sec as discussed in the course (to be answered in the form)

**Best of luck!** 😊

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### Submission guidelines

1. Please submit on the following form:

<https://forms.gle/HdMHdC29WuZK6dFbA>

2. The assignment can be done in pairs (Both students have to be with the same TA tutorial groups). If you cannot find a team member then you can do it individually.

- a. Hadeel: T6, 7, 14, 15, 17, 18, 27, 29
- b. Ramez: T10, 11, 16, 19, 23, 24, 25, 28
- c. Reem: T5, 8, 9, 12, 13, 20, 21, 22, 26

3. You are allowed to use any program to do this assignment. For example, VSDC (<https://www.videosoftdev.com/>).

4. The submission should be a zipped folder containing **two** folders, one named **20FPS** which contains 60 edited frames and the video for the 20FPS task, and the other named **5FPS** which contains 15 edited frames and the video for the 5FPS task.

5. The **name** of the submitted zipped file is [T-XX\_55-XXXXXX] [T-XX\_55-XXXXXX]

For example: [T-01\_55-12345] [T-02\_55-2346].zip

6. In case your zip file submission **exceeds 100 MB**, you need to upload it on your drive and send the link to [dmet501sub@gmail.com](mailto:dmet501sub@gmail.com) after changing the **share settings to view only**.

With the **subject A2 followed by the name of the file**: A2 [T-01\_55-12345] [T-02\_55-2346]

**Not following the mentioned guidelines, the assignment will not be graded.**