Digital Image Processing

Session 2018-2019

General Guidelines

- In each lab you will be given an assignment and you will have to implement the assignments in MATLAB/Python.
- The deadline for submission of the results is by the end of the day, i.e. till midnight.
- Results submitted the next day will be evaluated out of 75% of total marks allotted for that assignment. No submission will be entertained after that, i.e. you will be given "zero" for that lab assignment.
- You are not allowed to use in-built MATLAB/Python libraries for the assignment given. For example, there is in-built MATLAB function for computing "Histogram" and "Histogram Equalization" but you must write your own code to calculate the same. Any doubt regarding specific assignments can be cleared with the lab assistants.
- Plagiarism will result in both parties receiving "zero" marks. So be very careful. You may be asked to explain your code.
- Send your results to computervision.mnit@gmail.com after completing your assignments.

Results to be submitted:

- Input Images.
- MATLAB/Python Code files. Use functions wherever possible. The following information must be present in your code file. (The codes must be written for each question separately - question1.py, question2.py, question3.py, …)

Lab Assignment - Number
Topic Name –
Date –
Name –
ID Number -

- Write comments when you are writing your code. It will help others to understand your code better.
- Output Images.
- If there are more than one output for the same input image, then rename the output images based on the *image processing techniques* applied. For example, if "gamma-transform" and "Log transform" is applied on the same image then the output image should be renamed as **"gamma-transformed_input_image_name.jpg"** and **"log-transformed_input_image_name.jpg".**
- Keep all files in a folder and name the folder in this format – "NAME_ID_DATE_ASSIGNMENT-NO"