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[NPTEL \(https://swayam.gov.in/explorer?ncCode=NPTEL\)](https://swayam.gov.in/explorer?ncCode=NPTEL) » [Image Signal Processing \(course\)](#)
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Programming assignment: Otsu thresholding

Due on 2020-11-19, 23:59 IST

Click here (<https://drive.google.com/file/d/1qLP7WZCOzHvJAVgtZBxdKvXRYfjIQ2DF/view?usp=sharing>) for View the Question .

It is recommended to initially work on this assignment using Google Colaboratory ("Colab" for short is a free Jupyter notebook environment provided by Google that allows you to run Python in your browser). The introduction videos for Colab will be shared in discussion forum. Being said that, this is a recommended way to do the assignments. You can always directly work on NPTEL website.

Follow these instructions to work on the assignment in google-colab.

- Click on this Assignment-9 (<https://drive.google.com/file/d/1WLV16TKUGhIE3BrguNzGYIcuiiTmxhN/view?usp=sharing>) file.
- Make a copy of it in your drive.
- Right click and open the file using Google Colaboratory(You first need to log in to your google account).

When you're ready to verify/submit your assignment, paste the missing code snippets below.

Sample Test Cases

	Input	Output
Test Case 1	newsclip image	ok
Test Case 2	newsclip image	ok

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Course outline

[How does an NPTEL online course work?](#)

[Week 1](#)

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- Applications of SVD (unit? unit=24&lesson=84)
- Change detection (unit? unit=24&lesson=85)
- Image Thresholding (unit? unit=24&lesson=86)
- Adaptive Local thresholding - Motivation (unit? unit=24&lesson=87)
- Chow-Kaneko Local thresholding (unit? unit=24&lesson=88)
- K-Means Method (unit? unit=24&lesson=89)
- ISODATA Method (unit? unit=24&lesson=90)
- Programming assignment: Otsu thresholding (/noc20_ee83/progassignment? name=125)**
- Image Signal Processing : Week 9 Feedback Form (unit?unit=24&lesson=153)
- Quiz : Quiz 2 (assessment? name=177)
- Lecture Materials (unit? unit=24&lesson=183)
- Week 9 solutions (unit? unit=24&lesson=187)

[Week 10](#)

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[Week 12](#)

Tutorials

Download Videos

Live Session

**December 8 Programming
test - Session 1(10AM-11AM)**

**December 8 programming
test - Session 2 (8PM to
9PM)**