

 INDUSTRIALES ETSII UPM	PROJECT MEETING MINUTES			
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Project Information

Customer	UPM	Name	<i>Driver Drowsiness Detection</i>
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ASSISTANTS		
Name	Project Position	Registration No.
Josep María Barberá	Programming Manager	17048
Micaela Cabrera	Validation Manager	23023
Jorge Guijarro	Management Responsible	23075
Gustavo Maldonado	Documentation Manager	23102
Ivonne Quishpe	Technology Manager	23146

INFORMACIÓN MEETING

Date	15/11/2023	Start-End	18:30-19:30	Location	Online
Objectives	Get started with programming and website development				

ITEMS TO BE DISCUSSED	
Website Design	An outline of the web page was made. The corresponding sections to be included (About us, Motivation, Information, etc) were detailed and a sketch was made. A possible template for the development of the website was also investigated.
Capturing images with Python	The code was designed to capture images with a webcam (including that of the cell phone) and save them in a file that can be processed with Python.
Image Segmentation	From an image, the eyes were successfully detected. However, there have been some "False Positives" when working with the mouth. The detection process is done in a scaled manner: First the face is detected and then the eyes. Care must be taken with the scale factor to work with, as it can lead to error.
Image Preprocessing	We tried to resize images to a small size 24x24 (the usual size at which they are processed); however, it is observed that they are too large. pequeño y de poca calidad. Se propone revisar por otro preproceso

TOPICS DISCUSSED

Those agreed in "Items to be discussed".

COMMITMENTS AND AGREEMENTS ADOPTED

No.	Description	Date of Application	Responsible	Expiration Date
0	Website Design	15/11/2023	Gustavo Maldonado Ivonne Quishpe	29/11/2023
1	Neural Network Eyes (Training)	15/11/2023	Micaela Cabrera	29/11/2023
2	Mouth Neural Network (Training)	15/11/2023	Jorge Guijarro	29/11/2023
3	IAR Neural Network	15/11/2023	Josep María Barberá	29/11/2023

**NEXT MEETING
AGENDA:****YES****X****NO****Date**

22/11/2023

REMARKS

None.

PREPARED BY: JORGE GUIJARRO TOLÓN. RESPONSIBLE FOR MANAGEMENT