

 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	18/10/2023	Start-End	18:30-19:30	Location	Online
Objectives	Review each student's progress.				

ITEMS TO BE DISCUSSED	
Team 1 Research Review: DataSheets and LandMarks	<p>A first way did not work (Data Shets with LandMarks) The second was a DataSheet with more images and labels. Bad results when using a protocol (TCP) that requires a lot of memory (2TB). Finally, a notebook with a collection of DataSets and LandMarks was found, obtaining optimal results. The model creates the LandMarks in the DataSheet. This model works like a Neural Network. You would need 2: One for the eyes and one for the yawn.</p>
Team 2 Research Review: Neural network	<p>It was proposed to use Google Colab as an execution environment by allowing the use of a GPU with 12 hours of processing and various programming languages.</p>
Team 3 Research Review: State of Art	<p>A table was made comparing different implemented methods. The most optimal thing is to use several methods at the same time. The Viola-Jones Algorithm compares head tilting, yawning, and blinking. Furthermore, it was proven that the better the datasheet and mesh, the better results were obtained.</p>

TOPICS DISCUSSED

Those agreed in "Items to be discussed".

COMMITMENTS AND AGREEMENTS ADOPTED

No.	Description	Date of Application	Responsible	Expiration Date
0	Investigate the documentation found in search of programming with neural networks.	18/10/2023	Jorge Guijarro	25/10/2023
1	Delivery writing	18/10/2023	Micaela Cabrera Gustavo Maldonado	25/10/2023
2	Testing found code	18/10/2023	Josep María Barberá Ivonne Quishpe	25/10/2023

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

25/10/2023

REMARKS

None relevant.

PREPARED BY: JORGE GUIJARRO TOLÓN. RESPONSIBLE FOR MANAGEMENT