

 <b>INDUSTRIALES</b> ETSII   UPM	<b>PROJECT MEETING MINUTES</b>			
	Editorial Date: <b>11/10/2023</b>	Deliverable <b>2</b>	Minutes No. <b>4</b>	Page No. <b>1 of 2</b>

### Project Information

<b>Customer</b>	UPM	<b>Name</b>	<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

<b>Date</b>	11/10/2023	<b>Start-End</b>	18:00-19:00	<b>Location</b>	Online
<b>Objectives</b>	Review each student's progress.				

ITEMS TO BE DISCUSSED	
<b>Team 1 Research Review: State of the Art</b>	<p>Firstly, the main methods to detect fatigue were addressed: from Biological methods, through sensors in the vehicle and culminating with image recognition techniques.</p> <p>Next, this last section was delved into, indicating the main methods used, the most useful being the development of neural networks.</p> <p>There are different approaches: Detect only eyes or faces. Ideally, a hybrid method.</p>
<b>Team 2 Research Review: DataSheets</b>	<p>Various datasheets were found: Some only of eyes, others of faces, and even videos. It was decided to address, first of all, the case where working with photos, guaranteeing better results.</p>
<b>Team 3 Research Review: Web Page</b>	<p>Different environments were found to develop the website: WebFlow, Webz and Google (the latter had licensing problems). In addition, various structures were investigated to create said page (Hierarchical websites and Matrix)</p>

**TOPICS DISCUSSED**

Those agreed in "Items to be discussed".

**COMMITMENTS AND AGREEMENTS ADOPTED**

No.	Description	Date of Application	Responsible	Expiration Date
0	Searching for DataSheets and LandMarks	11/10/2023	Ivonne Quishpe Gustavo Maldonado	18/10/2023
1	Find and Implement the neural network with Python	11/10/2023	Josep María Barberá Jorge Guijarro	18/10/2023
3	SOA: Effectiveness/Justification-Importance of the problem. Features table	11/10/2023	Micaela Cabrera	18/10/2023

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

18/10/2023

**REMARKS**

None relevant.

**PREPARED BY:** JORGE GUIJARRO TOLÓN. RESPONSIBLE FOR MANAGEMENT