ERASMUS+ PROGRAMME Project Number: 618509-EPP-1-2020-1-JO-EPPKA2-CBHE-JP

Report on Training Workshop Activities:

Training for Trainers @ National Technical University of Athens

Event type	**Training Workshop for Trainers @ National Technical University of Athens – GREECE**
WP Number	**3.3**
WP Leader	**NTUA**
Event date	**25-29 September 2023**
Number of Participants	**11**
Total number of pages	**6**

Project Coordinator

Prof Ahmed Al-Salaymeh,

The University of Jordan (UJ)

Queen Rania Street I Amman 11942, Jordan

Tel: +962-6-53 55 000 Ext. 22816 | Fax: +962-6-53 00 237

Email: Eco-car@ju.edu.jo

Project website: http://sites.ju.edu.jo/en/ECO-CAR/Home.aspx

1 Event Description

A one-week training activity was organized at the National Technical University of Athens in Greece. The workshop was focused on Vehicle Dynamics and Hybrid and Electric Vehicles basics. Furthermore, two visits were scheduled to local manufacturers. The first took place at the Saracacis Group of Companies and the second at Kaousis S.A.

2 Agenda

Monday, 25/09/2023

Period	Time	Subject
1	09:00 – 10:30	Welcome – NTUA - VLab
Coffee break	10:30 – 10:45	Coffee / Tea break
2	10:45 – 12:15	Introduction to Vehicle Dynamics
Lunch Break	12:15 – 13:00	Lunch (Restaurant & Canteens)
3	13:00 – 14:30	Suspension Systems
Coffee break	14:30 – 14:45	Coffee / Tea break
4	14:45 – 16:15	Overview of Hybrid and Electric Heavy Vehicles

Vocational Training Diploma on Electrical and Hybrid Vehicles/ ECO-CAR
Co-funded by the Erasmus+ Programme of the European Union

Tuesday, 26/09/2023

Period	Time	Subject
1 & 2	09:30 – 12:00	Visit to Saracakis group of Companies https://www.saracakis.gr/en/
3	13:00 – 14:15	Steering System
4	14:30 – 15:15	Tire Mechanics

DISCLAIMER: *This project has been funded with support from the European Commission. This publication [communication] reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.*

Vocational Training Diploma on Electrical and Hybrid Vehicles/ ECO-CAR

Co-funded by the Erasmus+ Programme of the European Union

Wednesday, 27/09/2023

Period	Time	Subject
1 & 2	09:00 – 12:15	Self Study
Lunch Break		
3 & 4	13:00 – 16:00	Visit to Kaoussis http://kaoussis.gr/

Vocational Training Diploma on Electrical and Hybrid Vehicles/ ECO-CAR

Co-funded by the Erasmus+ Programme of the European Union

Thursday, 28/09/2023

Period	Time	Subject
1	09:00 – 10:30	Vehicle modeling suspension using Matlab
2	10:45 – 12:15	Vehicle modeling using TruckSim (Practice)
3	13:00 – 14:30	Dynamic Measurements
4	14:45 – 16:15	06_Hazardous materials and HEV_EVs

Vocational Training Diploma on Electrical and Hybrid Vehicles/ ECO-CAR

Co-funded by the Erasmus+ Programme of the European Union

Friday, 30/09/2023

Period	Time	Subject		
1	09:00 – 10:00	Torque Vectoring Application		
2	10:15 – 11:15	Vehicle modeling using TruckSim (Practice)	Vehicle modeling suspension using Matlab (Practice)	Dynamic Measurements
3	11:30 – 12:30	Dynamic Measurements	Vehicle modeling using TruckSim (Practice)	Vehicle modeling suspension using Matlab (Practice)
4	12:45 – 13:45	Vehicle modeling suspension using Matlab (Practice)	Dynamic Measurements	Vehicle modeling using TruckSim (Practice
5	14:00 – 15:00	Closing of the workshop		

ERASMUS+ PROGRAMME Project Number: 618509-EPP-1-2020-1-JO-EPPKA2-CBHE-JP

DISCLAIMER: *This project has been funded with support from the European Commission. This publication [communication] reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.*

3 Attendance sheet

Co-funded by the Erasmus+ Programme of the European Union

National Technical University of Athens

ERASMUS+ PROGRAMME
Project Number: 618509-EPP-1-2020-1-JO-EPPKA2-CBHE-JP
ECO-CAR Project
"Vocational Training Diploma on Electrical and Hybrid Vehicles"
Staff Training Workshop – at National Technical University of Athens
Sep 25th – 29th, 2023

No.	Participant Name	Institution	Signatures				
			Mon. 25.09.23	Tues. 26.09.23	Wed. 27.09.23	Thurs. 28.09.23	Fri. 29.09.23
1.	Mohammad Al Omari	JUST	25/9				
2.	Abdallah Al Shboul	JUST					
3.	Wail Adalleh	TTU					
4.	Ahmad Mustafa	TTU					
5.	Tahani Ghaben	HTU	25/9/2023	26/9/23	29/9/2023	28/9/23	29/9/23

Co-funded by the Erasmus+ Programme of the European Union

This Project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

DISCLAIMER: *This project has been funded with support from the European Commission. This publication [communication] reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.*

Co-funded by the Erasmus+ Programme of the European Union

National Technical University of Athens

No.	Participant Name	Institution	Signatures				
			Mon. 25.09.23	Tues. 26.09.23	Wed. 27.09.23	Thurs. 28.09.23	Fri. 29.09.23
6.	Nezar Al Qudah	HTU	25/9/2023	26/9/2023			29/9/2023
7.	Ma'moun Al-Smadi	BAU					
8.	Musa Al-Ajlouni	BAU					
9.	Najat Al-Masarwah	MU	25/9/2023	26/9/2023		28/9/2023	
10.	Loai Dabour	ZUJ					
11.	Nabeel Abo Shaban	ZUJ		26/9	27/9	29/9	
12.	Safwan Qawabah	ZUJ					
13.							
14.							

Co-funded by the Erasmus+ Programme of the European Union

This Project has been funded with support from the European Commission.
This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

DISCLAIMER: *This project has been funded with support from the European Commission. This publication [communication] reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.*

4 PPTs for training material

All Training Material can be accessed in pdf form at the google drive of the project

https://drive.google.com/drive/folders/1tQ9P7lRCHJBdh78vmBd1rgPyfQFGZKWd?usp=drive_link

5 Photos

Photos of the Training activities can be accessed at the google drive of the project:

https://drive.google.com/drive/folders/1eezU0eT5pP3kWQLx5p1Nk7KgoPtprkrP?usp=drive_link

DISCLAIMER: *This project has been funded with support from the European Commission. This publication [communication] reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.*