

ERASMUS+ PROGRAMME

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

ECO-CAR:

Vocational Training Diploma on Electrical and Hybrid Vehicles

**Report of
The 1st Monitoring Visit**

Mutah University

Al-Karak - Jordan

14th of July 2021





Participants list

Name	Institution
Prof. Ahmad Abu El-Haija	National Erasmus+ Office in Jordan
Mrs. Asma Smadi	National Erasmus+ Office in Jordan
Ms. Lama Zeinab	National Erasmus+ Office in Jordan
Mr. Laith Al-Zubi	National Erasmus+ Office in Jordan
Prof. Ahmed Al-Salaymeh	The University of Jordan
Eng. Rasha Al-Baik	The University of Jordan
Eng. Sara Al Twassi	The University of Jordan
Prof. Fahmi Abu Al-Rub	Jordan University of Science and Technology
Eng. Salaheddin Abu Yahya	Jordan University of Science and Technology
Prof. Omer Maaitah	Mutah University
Prof. Mohammad Almajali	Mutah University
Prof. Hussein Almajali	Mutah University
Dr. Ali Alahmer	Tafila Technical University
Dr. Ahmad Mostafa	Tafila Technical University
Prof. Rebhi Damseh	Al- Balqa' Applied University
Dr. Mamoun Al-Smadi	Al- Balqa' Applied University
Dr. Mohammad Bani-Khaled	The Applied Science Private University
Prof. Ayman Abu-Baker	The Applied Science Private University

Monitoring Visit Agenda
12:00-16:00
Wednesday, July 14, 2021
Mutah University

Time	Activity
12:00	Welcoming Coffee
12:00-12:10	Welcoming and Introducing Participants, Prof. Omer Maaitah
12:10-12:40	ECO-CAR Project in Brief, Prof. Ahmed Al-Salaymeh
12:40-12:50	WP1: Establishing University-Enterprise Cooperation by Prof. Fahmi Abu Al-Rub (JUST)
12:50-13:10	WP2: Baseline Study by Dr. Mohammad Bani-Khaled (ASU)
13:10-13:20	WP3: Capacity Building by Prof. Ahmed Al-Salaymeh & Eng. Rasha Al- Baik (UJ)
13:20-13:30	WP4: Establishment of EV/HEV labs by Prof. Rebhi Damseh (BAU)
13:30-14:00	WP5: Developing ECO-CAR Professional Diploma - Professional Diploma, Prof. Ahmed Al-Salaymeh - Community College Diploma, Prof. Rebhi Damseh - Vocational Diploma, Dr. Mohammad Bani-Khaled
14:00-14:40	Lunch
14:40-14:50	WP6: Quality and Impact Evaluation by Eng. Sara Al Twassi & Eng. Rasha Al- Baik (UJ)
14:50-15:00	WP7: Dissemination and Sustainability by Dr. Firas Kafieh (HTU)
15:00-15:10	WP8: Project Management and ECO-CAR Activities at The University of Jordan (UJ), by Prof. Ahmed Al-Salaymeh
15:10-15:20	ECO-CAR Activities at Mutah University, Prof. Omer Maaitah and Prof. Mohammad Almajali
15:20-15:30	ECO-CAR Activities at Tafila Technical University (TTU), Dr. Ali Alahmer and Dr. Ahmad Mustafa
15:30-15:40	ECO-CAR Activities at Al-Zaytoonah University of Jordan (ZUJ), Dr. Loai Dabbour and Dr. Nabeel Abu Shaban
15:40-15:50	ECO-CAR Activities at Al-Balqa Applied University (BAU), Prof. Rebhi Damseh and Dr. Mamoun Al-Smadi
15:50-16:00	ECO-CAR Activities at Al-Hussein bin Abdullah II Technical University (HTU), Dr. Firas Kafieh and Dr. Emad Abdelsalam



16:00-16:10	ECO-CAR Activities at Applied Science University (ASU), Prof. Ayman Abu-Baker and Dr. Mohammad Bani-Khaled
16:10-16:20	ECO-CAR Activities at Jordan University of Science and Technology (JUST), Prof. Fahmi Abu Al-Rub and Eng. Salaheddin Abu Yahya
16:20-16:30	Feedback about Project by Prof. Ahmad Abu-El-Haija , and Wrap up
16:30-17:00	Meeting with the President of Mutah University

Monitoring Visit Feedback

As part of the Agency's on-going monitoring of Erasmus+ CBHE projects, the National Erasmus+ Office in Jordan represented by Prof. Ahmad Abu-el-Haija, Mrs. Asma Al Smadi, and Miss Lama Zeinab carried out a field monitoring visit to project no. 618509-EPP-1-2020-1-JO-EPPKA2-CBHE-JP: "Vocational Training Diploma on Electrical and Hybrid Vehicles / ECO-CAR".

The visit took place on 14 July 2021 at Mutah University, where the monitoring team could meet representatives from the University of Jordan, Jordan University of Science & Technology, Tafila Technical University, Al Balqa Applied University, Applied Science University, Al Hussein Technical University, Al-Zaytoonah University of Jordan either physically or remotely. During the visit, the members of the project team provided updated information on the project's progress made towards the achievement of its objectives and deliverables.

As a result of the monitoring visit and based on the information received from the National Erasmus+ Office - Jordan, has drawn the following conclusions:

We are pleased to learn about the project achievements completed so far taking into consideration the short duration and the large number of partners. Project partners conducted Baseline case study in order to identify the necessary competencies in the field of Electrical and Hybrid Vehicles in Jordan. 5 Surveys were distributed to students, academic staff members, and stakeholders and final report was prepared. EV/HEV Network was created for enterprises, vocational training centres, and organizations involved in the field. It includes 54 members from Jordan and 7 EU members. Two Networking workshops were held in which three focus groups were created for curriculum development. Developing capacity building plan is in progress. Workshops and study visits are planned in 2021 and 2022. An online workshop entitled "Introduction to Batteries" was organized and more workshops are scheduled. Equipment list was identified and tendering process started. Equipment will be purchased in a centralised tender for all partners. Eight EV/HEV centres will be established at partner universities in Jordan. Each partner university will establish a diploma and update already existing engineering courses and integrate them within the curricula.

The project is expected to have significant impact on students, staff, and partner universities. The project will provide students with important skills in the field of EV/HEV for labour market and improve the quality of education. It will also improve the capacity of partner universities by establishing the Diplomas and EV/HEV labs.

Project management is going smooth. All partners are active in the project implementation and tasks are divided in a balanced manner. Non-educational stakeholders are involved in the network, networking workshops, surveys and curriculum development.

The project is highly relevant to society and in line with the priorities of partner countries.

As main concern(s) and challenge(s), the following points were identified:



- Too many diplomas in the same field will be launched at the same period.

In view of the above, we would like to draw your attention to the following recommendations that should be taken into account in the next phases of your project's implementation:

1. Project partners need to develop a marketing plan for the Diplomas.
2. Partners should look further into the accreditation process for the "Professional Diploma".

Photos







