



FOSSBot4AI

Teaching AI to higher education students using an open-source and open-design educational robot

2025-1-FR01-KA220-HED-000351330

2nd Transnational Project Meeting (TPM2)

WP3 Planning Meeting - FOSSBot:v2 Development

MINUTES

Venue	Poznan University of Technology (PUT), Poznan, Poland
Dates	Monday 13 July 2026 - Tuesday 14 July 2026
Host partner	P2 - PUT Poznan University of Technology / POLITECHNIKA POZNANSKA
Meeting type	On-site transnational project meeting

Partnership

Code	Organisation	Role	Country
P1	ECAM-EPMI	Coordinator	France
P2	PUT Poznan University of Technology (POLITECHNIKA POZNANSKA)	Host partner	Poland
P3	HUA Harokopio University of Athens (CHAROKOPEIO PANEPISTIMIO)	Partner / WP3 lead	Greece
P4	ATERMON B.V.	Partner	Netherlands
P5	GFOSS Open Technologies Alliance	Partner	Greece
P6	ETU Erzurum Technical University	Partner	Türkiye

Meeting objectives

The second Transnational Project Meeting (TPM2) was organised at Poznan University of Technology to review the completion of Work Package 2, prepare the transition to Work Package 3 and agree on the technical, educational and organisational roadmap for the next phase of the project. The meeting combined presentations, technical discussions, demonstrations of educational materials, planning sessions and consortium decision-making.

Participants

On-site participants:

- Poznan University of Technology: Prof. Mariusz Głabowski, Michał Weissenberg, Dominik Belter, Kamil Młodzikowski, Marcin Czajka, Jakub Chudziński, Piotr Kontowicz, Jagoda Piechocka, Oliwia Wiśniewska
- ECAM-EPMI: Mohanad Almousa
- Harokopio University: Dimitris Charitos
- GFOSS: Elena Barka, Panagiotis Angelopoulos
- Erzurum Technical University: A. Necip Nursoy, M. Talha Akgun

Online participants:

- Eleftheria Papageorgiou (GFOSS)
- Iraklis Varlamis (HUA)
- Christos Chronis (HUA)
- Maria Panagiotopoulou (Attermon)
- Additional consortium members joined selected sessions remotely.

Agenda

- The meeting followed the official TPM2 agenda covering:
- Review of WP2 educational framework and educational resources.
- Demonstration of PUT educational materials.
- Transition from WP2 to WP3.
- FOSSBot v2 hardware design.
- Localisation planning.
- User Interface and Software Stack.
- Test kits, assembly manual and dry-runs.
- Dissemination strategy.
- KPI monitoring and project roadmap.
- Consolidated action plan.

Minutes

Day 1 focused primarily on concluding Work Package 2 and preparing the transition towards Work Package 3. Each consortium partner presented the educational materials developed during the previous months. The consortium confirmed that all planned educational modules had been completed and that the remaining activities would concentrate on quality assurance, localisation and final validation before formally closing WP2. PUT demonstrated its complete robotics course consisting of thirteen laboratory sessions covering Linux, Python, Docker, ROS2, MediaPipe, YOLO, SLAM and autonomous navigation. Partners agreed that PUT would additionally prepare a general course presentation and laboratory guide to ensure consistency across all learning materials.

The consortium discussed the quality assurance methodology and agreed to perform cross-validation of educational resources. A single QA form per course will be used instead of separate forms for each laboratory. PUT, acting as Quality Assurance leader, will perform the final verification and approval of all validation reports.

The second part of the meeting concentrated on the transition to WP3 and the development of FOSSBot v2. The consortium reviewed the proposed hardware architecture based on Raspberry Pi 5, LiDAR, AI RGB camera and ROS2. Partners confirmed that the final hardware specification will be shared together with component references and that educational materials may be adapted if hardware constraints require modifications.

Day 2 focused on localisation, software architecture, dissemination and implementation planning. A detailed technical discussion resulted in a preliminary agreement to adopt Visual Studio Code together with a custom extension, ROS2, Gazebo and a pre-configured Dev Container as the common development environment for both the physical robot and the simulator. This solution was recognised as providing a consistent experience for students while reducing installation complexity across different operating systems.

The consortium also reviewed dissemination activities, promotional materials and KPI monitoring. Partners agreed to continue preparing multilingual dissemination materials, maintain the common dissemination log, and organise future promotional events linked to pilot activities. PUT presented the KPI monitoring framework and risk register, while ETU presented the proposed dry-run testing methodology. The meeting concluded with a review of the overall project roadmap, confirmation of responsibilities and agreement on the upcoming milestones.

Main Decisions

- WP2 educational materials accepted for cross-validation.
- One QA evaluation form per course adopted.
- FOSSBot v2 will be based on Raspberry Pi 5, LiDAR and AI camera.
- VS Code + ROS2 + Gazebo + Dev Container selected as preferred software architecture.
- Localisation activities continue with end-of-July target.
- Project progress confirmed at approximately 28%.

Action Plan

Action	Responsible	Deadline
Complete QA reviews	All partners	End of July
Final QA approval	PUT	End of July
Share FOSSBot hardware specification and cost	HUA	Next technical meeting
Complete localisation	All partners	End of July
Continue WP3 implementation	All partners	Ongoing

Closing Remars

The consortium thanked Poznan University of Technology for hosting TPM2. The meeting successfully completed the transition from WP2 to WP3 and established a common technical vision for the next implementation phase. Partners confirmed their commitment to the agreed schedule and to continued close collaboration throughout the project.