

Project-based learning in the Embedded Systems Masters

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Abstract: One of the most challenging tasks during the implementation of the international projects is to develop the educational content, which could allow students with different backgrounds and different levels of the language of instructions to achieve the required competences within the one course. The other new challenge which academicians are facing is the integration of the generative software into the educational process in the way that it could help students to gain the knowledge and not just replace the educational activities. As the case study authors consider the implementation of the project-based approach used in the course “Applied Embedded Systems” within the international Master Program “Embedded Systems Engineering” in the Fachhochschule Dortmund and its future scaling for the implementation in the virtual Master School within the DAAD-funded project UA4PIM: University Alliance for Project and Innovation Management.