

Project work form

Title of the project work: Development of simulation programs to demonstrate programming algorithms		Institute ID: MEI-095
Project work objective: Understanding programming algorithms requires an abstraction ability that is not yet available at the beginning of programming learning, so in many cases it is difficult to understand them. The task of the students is to present the operation of the most important programming algorithms and programming items on a PC or mobile platform with the help of simulation. The aim of the project is to create a tutorial that enables more effective education according to the needs of Generation Z, thus helping to develop algorithmic and problem-solving thinking.		
Supervisor:	Dr. Laufer Edit	
Contact:	tel.: 06-1-666-5377 laufer.edit@bgk.uni-obuda.hu	
Group size: (min./max.):	3-5 person	
Required resources:	-	
Available resources (max.):	-	
Schedule:	Week 1	Task definition, clarification, consultation
	Weeks 2-3	Preparation of GANTT diagram, development of concept.
	Weeks 4-6	Selection of algorithms, study of their working principle. Designing the simulation.
	Weeks 7-11	Implementing the simulation.
	Weeks 12-13	Testing the program in groups of students. Improvements based on feedback.
	Week 14	Presentation of results.