



## Subject card

Subject name and code	Team Project, PG_00033399						
Field of study	Automation, Robotics and Control Systems						
Date of commencement of studies	February 2023		Academic year of realisation of subject		2023/2024		
Education level	second-cycle studies		Subject group		Optional subject group Subject group related to scientific research in the field of study		
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		Polish		
Semester of study	2		ECTS credits		4.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Faculty of Electrical and Control Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Robert Smyk				
	Teachers		dr inż. Robert Smyk				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	60.0	0.0	60
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	60		15.0		25.0	100
Subject objectives	The aim of the course is to familiarize you with the methodologies of conducting an engineering project, in particular with the fields of Automation and IT. The student learns the methods of correct formulation of such elements as the topic, purpose, scope of the project. The student learns and learns to implement modern IT project management methodologies.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	K7_W07		Knows the basic template of project management.		[SW1] Assessment of factual knowledge		
	K7_U02		Knows the basic rules of performing tasks in a team.		[SU2] Assessment of ability to analyse information		
	K7_U13		Can use tools to present design assumptions.		[SU4] Assessment of ability to use methods and tools		
Subject contents	Formulating the topic, scope of the project goal, the ability to verify, the ability to consult a group co-workers. Getting to know the techniques of project management. Develop or select one of recommended project topics. Development of project documentation in accordance with the selected methodology running projects. Agile methodologies for running IT projects, developing an array of ideas (inception desk), developing a shortened list of the most important functional requirements and non-functional, analysis of the list of non-performed tasks, analysis of the environment, development of a scheme block solution (show the solution), analysis of mutual relations between factors and such as time, scope, budget, quality, time parameters of the project implementation (size it up), parameters related to risk (up at night). Using the Scrum framework.						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	development and presentation presentation	50.0%	50.0%
	development of project documentation	50.0%	50.0%
Recommended reading	Basic literature	Andrzej Jaskiewicz, Inżynieria oprogramowania, helion  Marcin Żmigrodzk, Zarządzanie projektami dla początkujących. Jakzmienić wyzwanie w proste zadanie. Wydanie II, helion  Marek Krzemiński, Agile. Szybciej, łatwiej, dokładniej , helion	
	Supplementary literature	Collier, Ken W. (2011). <i>Agile Analytics: A Value-Driven Approach to Business Intelligence and Data Warehousing</i> . Pearson Education. pp. 121  Beck, Kent M.; Beedle, Mike; Bennekum, Arie van; Cockburn, Alistair; Cunningham, Ward; Fowler, Martin; Grenning, James; Highsmith, Jim; Hunt, Andy; Jeffries, Ron; Kern, Jon; Marick, Brian; Martin, R. C.; Mellor, Steve J.; Schwaber, Ken; Sutherland, Jeff; Thomas, Dave. "Manifesto for Agile Software Development". <i>Undefined</i> . <a href="#">S2CID 109006295</a>	
	eResources addresses	Adresy na platformie eNauczanie: PROJEKT ZESPOŁOWY [RS][2023/24] - Moodle ID: 32196 <a href="https://enauzanie.pg.edu.pl/moodle/course/view.php?id=32196">https://enauzanie.pg.edu.pl/moodle/course/view.php?id=32196</a>	
Example issues/ example questions/ tasks being completed	Work out the 'Up at inght' point. Think about what is the most risky to takeproject implementation. Note that the overall risk of a project not being completed is alwaysthere is - this is not the risk here. Rather think about all of themThe points developed so far give a fairly complete picture of the project.Maybe something should be detailed? Or maybe something couldn't be moredetail at this stage? Perhaps this is what makes some particularrisky stage? Try to identify such a stage and describe it. Maybe there are such stages /more points?		
Work placement	Not applicable		