GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Team Project, PG_00033399		
Field of study	Automation, Robotics and Control Systems		
Date of commencement of studies	February 2024	Academic year of realisation of subject	2024/2025
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 withthe fields of Automation and IT. The student learns the methods of correct formulation of such elements as the topicpurpose, 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_U13	Can use tools to present design assumptions.	[SU4] Assessment of ability to use methods and tools
K7_U02	Knows the basic rules of performing tasks in a team.	[SU2] Assessment of ability to analyse information
K7_W07	Knows the basic template of project management.	[SW1] Assessment of factual knowledge

Subject contents

Formulating the topic, scope of the project goal, the ability to verify, the ability to consult a groupco-workers. Getting to know the techniques of project management. Develop or select one ofrecommended project topics. Development of project documentation in accordance with the selected methodologyrunning projects. Agile methodologies for running IT projects, developing an array of ideas(inception desk), developing a shortened list of the most important functional requirements andnon-functional, analysis of the list of non-performed tasks, analysis of the environment, development of a schemeblock solution (show the solution), analysis of mutual relations between factors and such astime, scope, budget, quality, time parameters of the project implementation (zise it up), parameters related torisk (up at night). Using the Scrum framework.

Prerequisites and co-requisites

<table>
<tr><td>Assessment methods and criteria</td><td colspan="2"><table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>development of project documentation</td><td>50.0%</td><td>50.0%</td></tr>
<tr><td>development and presentation presentation</td><td>50.0%</td><td>50.0%</td></tr>
</table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>Andrzej Jaszkiewicz, Inżynieria oprogramowania, helion

Marcin Żmigrodzk, Zarządzanie projektami dla początkujących. Jakzmienić wyzwanie w proste zadanie. Wydanie II, helion

Marek Krzemiński, Agile. Szybciej, łatwiej, dokładniej , helion</td></tr>
<tr><td>Supplementary literature</td><td>Collier, Ken W. (2011). Agile Analytics: A Value-Driven Approach to Business Intelligence and Data Warehousing. 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". Undefined. S2CID 109006295</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="2">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?</td></tr>
<tr><td>Work placement</td><td colspan="2">Not applicable</td></tr>
</table>