ПЛАН ПРОЕКТА

# Проект «крестики-нолики»

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PROJECT IDENTITY

2021/1, Robots\_and\_targets  
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Participants of the team

|  |  |  |
| --- | --- | --- |
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# 1. Project Description

## Проект "Крестики-нолики" состоит в программировании промышленного робота в качестве инструмента для игры в крестики-нолики (крестики-нолики), см., например https://en.wikipedia.org/wiki/Tic-tac-toe, используя помеченные кубики.

## Назначая с помощью графического интерфейса определенное местоположение на игровой доске 3 x 3 с указанным местоположением, пользователь должен иметь возможность инициировать ход в игре. Два пользователя должны быть в состоянии завершить игру.

## 1.1 Background

За основу передвижения кубиков берётся материал второй лабораторной работы.

## 1.2 Purpose

Why is this project executed? What could be a motivation for such a project? Any related “real-life” use scenario?

## 1.3 Goals

It describes the project's overall objectives (or subtasks) and any milestones. What was the final result expected from the project? A timetable will also be presented in this section. Suitable sub-headings are as follows.

## 1.4 Overall objectives

List of all the objectives (use the project description!)

## 1.5 Requirements Specification

Establish specific requirement specifications in dialogue with the customer/teachers/instructors. What demands exist on product/project/service? Describe what is included. Describe what will be delivered. Describe also the functional requirements for the product. Split your list into primary and auxiliary requirements.

# 2. Plan for the project phases

Text

## 2.1 Before start

Text

## 2.2 During the project

Text

## 2.3 After the project

Describe how you finalize the project. Presentation, demonstration, report writing, inventory responsible, handing over of hardware.

# 3. Resources

Describe all the available resources for the project.

## 3.1 Persons

List the persons that are assets in your project.

## 3.2 Material

List the material (e.g. hardware and software resources) you have in your project.

## 3.3 Workrooms

Describe where you will work. Indicate additional virtual rooms or internet/communication resources to be used…

## 3.4 Economy

Orders are not expected but please check with Roman Stanislavovich Usatov-Shiryaev (usatov-shiryaev.rs@talantiuspeh.ru) if there is a budget that can be used…

# 4. Implementation Plan

Describe how the work should be carried out. How should the problem/task be addressed? The methods to be used are listed and described. Also, specify the equipment needed to implement the project.

## 4.1 Test Scenarios

Describe some test scenarios for your implementation.

## 4.2 Milestones

|  |  |  |  |
| --- | --- | --- | --- |
| No | Description | Responsible project team member | Date |
|  | Project proposal ok |  | 29/11/2021 |
|  | The project plan is handed in |  |  |
|  |  |  |  |
|  | Passed Test Scenario 1 |  |  |
|  |  |  |  |
|  |  |  |  |

List some milestones for your project

## 4.3 Activities

Text

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Activity | Description | Responsible Project Member | Est. Time |
|  | Planning of testing | To make a test plan | AA | 20 |
|  | Prestudy |  | AA |  |
|  | Prepare testing |  | AA |  |
|  | Testing |  | BB |  |
|  | Writing Report |  | BB |  |
|  | Prepare presentation |  |  |  |
|  | Presentation |  |  |  |
|  | Implementation on the robot |  |  |  |
|  | Review of report before submit |  |  |  |

# 5. Risk Analysis

SWOT analysis, see e.g. <https://en.wikipedia.org/wiki/SWOT_analysis> for some additional info.

|  |  |
| --- | --- |
| Internal factors | |
| Strengths (+) | Weaknesses (-) |
| … | … |
| External factors | |
| Opportunities (+) | Threats (-) |
| … | … |

Describe here planned measures to deal with weaknesses and threats

# REFERENCES

Here you place the references.