МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ  
РОССИЙСКОЙ ФЕДЕРАЦИИ

федеральное государственное автономное   
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**Отчет по лабораторной работе №1**

Дисциплина: «Project Management   
(Менеджмент разработки ПО)»

Тема: **«Application»**

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**ЗАДАНИЕ**

* To come up with a project. Imagine that this is an application for an investor who needs to be persuaded of the success of the project. Project should have some scientific part. Duration of the project is not more than 2 years (before reaching financial self-sufficiency). The budget of the project is not more than $30 000.
* To make application, send it for verification

**Application contains the following info:**

1. Author's first, last name
2. Project name
3. Project scientific part

3.1 Scientific objectives of the project

3.2 Scientific novelty of the project

1. Project commercial part

4.1 Project results application, potential consumers

4.2 Existing analogs, competitors

4.3 Implementation plan by stages, time to implement, cost

**ХОД РАБОТЫ**

1. Author's first, last name

Mastyaeva Anastasia

2. Project name

Development of service for automatic recording to a doctor’s appointment.

3. Project scientific part

3.1 Scientific objectives of the project

Creating an application that will help people sign up for a doctor without spending a lot of time on it. The user will need to choose where it hurts and the application will offer him all the possible options for doctors and clinics for recording. The patient only needs to choose the appropriate version of the record and it will be fixed in the hospital. To implement this application, it will be necessary to develop an algorithm to determine the specialization of the doctor to whom the patient is sent, based on the neural network.

3.2 Scientific novelty of the project

All people have ever had something to hurt, and they did not know exactly which doctor should be treated. Also, not everyone has the time to choose the right clinic and doctor to make an appointment.

At the moment there is no such application that would not only determine which specialist should be consulted, but also offers options for making an appointment with a doctor and a patient's appointment. A person can come to the reception only at the appointed time.

4. Project commercial part

4.1 Project results application, potential consumers

The application will be useful for any person who does not know which specialist to contact or who do not have enough free time to choose a clinic, specialist and an appointment.

4.2 Existing analogs, competitors

Currently, there is no application for mass use that would help people quickly sign up with the right doctor. But there are applications to determine the approximate disease by area and nature of pain in the human body.

4.3 Implementation plan by stages, time to implement, cost

**Fist stage:** research, technology analysis, search, collect and data analysis. 2 month.

Number of employees, skills: 2 employee, analytical skills, experience of analysing big data.

2 employees, 5 days/week, 8 weeks, 8 hours, $8/hour => 2\*5\*8\*8\*8 = $5120

Stage budget: $5120

**Second stage:** creation and training of the neural network. 3 month.

Number of employees, skills: 2 employee, ability to build and train neural networks.

2 employees, 5 days/week, 12 weeks, 8 hours, $9/hour => 2\*5\*12\*8\*9 = $8640

Stage budget: $8640

**Third stage:** web and mobile interface development. 2 month.

Number of employees, skills: 3 employee, Software engineers, Mobile developer.

3 employees, 5 days/week, 8 weeks, 8 hours, $8.5/hour => 3\*5\*8\*8\*8.5 = $8160

**Fourth stage:** testing, fixing bugs. 3 month.

Number of employees, skills: 2 employee, QA engineer, Software engineer.

2 employee, 5 days/week, 12 weeks, 8 hours, $8/hour => 2\*5\*12\*8\*8 = $7680

Stage budget: $7680

Total time duration: 10 months

$5120+$8640+$8160+$7680 ---->

Total budget: $29600

**ЗАКЛЮЧЕНИЕ**

In this assignment I came up with a project, that meets the requirements of having scientific part, duration of the project is not more than 2 years and the budget of the project is not more than $30 000.