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

Fatkhutdinova Elvira

2. Project name

Development of the application for defining a profession.

3. Project scientific part

3.1 Scientific objectives of the project

The goal of the project – to create an application that would help to decide on a profession using scheme where people can choose area of interests step by step limiting the range of choice to a particular narrow specialization in the end. The project goal will be achieved by building a neural network.

3.2 Scientific novelty of the project

Almost every person is faced with the problem of self-determination, currently there are diagnostic schemes for determining the type of person and professions, suitable for person.

At the moment there is no adaptive and fast application that would help determine the predisposition for certain professions not using standard tests but using the neural network.

4. Project commercial part

4.1 Project results application, potential consumers

The results of the project will be useful for every person who don't know or have doubts about chosen profession.

4.2 Existing analogs, competitors

At present there are no such applications in mass use that would help to define a profession using neural network. But there are applications that define a profession based on passing a test.

4.3 Implementation plan by stages, time to implement, cost

**Fist stage:** Development of technical task by analysts. Make decision about using technologies and tools (Stack of technologies). 1 month.

Number of employees, skills: 2 employee, analytical skills, general knowledge of technologies.

2 employees, 5 days/week, 4 weeks, 8 hours, $8/hour => 2\*5\*4\*8\*8 = $2560

Stage budget: $2560

**Second stage:** Search, collect and data analysis by Big Data specialist, start to construction and training of the neural network by machine learning specialists. 3 month.

Number of employees, skills: 3 employee, experience of analysing big data, ability to build and train neural networks.

3 employees, 5 days/week, 12 weeks, 8 hours, $9/hour => 3\*5\*12\*8\*9 = $12960

Stage budget: $12960

**Third stage:** Mobile and desktop interface development by UI/UX specialists and by designers. Development of progressive web application by developers. 4 month.

Number of employees, skills: 3 employee, ability to develop responsive, adaptive design, ability to code on React.js, Python/Java, middle or senior level.

2 employees, 5 days/week, 12 weeks, 8 hours, $10/hour for two developers => 2\*5\*12\*8\*10 = $9600

1 employee, 5 days/week, 8 weeks, 8 hours, $7.5/hour for UI/UX specialist => 1\*5\*8\*8\*7.5 = $2400

It is assumed that the UI/UX specialist will work 1 month independently and 1 month at the same time with the developers.

9600+2400 = 12000

Stage budget: $12000

**Fourth stage:** Testing the finished application, fixing bugs and issue in production. 1 month.

Number of employees, skills: 1 employee, ability to find bugs.

1 employee, 5 days/week, 4 weeks, 8 hours, $7/hour => 1\*5\*4\*8\*7 = $1120

Stage budget: $1120

Total time duration: 9 months

$2560+$12960+$12000+$1120 ---->

Total budget: $28640

**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.