**Laboratory work № 7**

**Topic: Creation web sites using PHP frameworks (Laravel)**

**AIM**

The purpose of this laboratory work is to learn PHP framework Laravel and create own project

**ACTIVITIES**

Perform each of the following activities. If you have questions, issues, or doubts, please ask from your teacher.

1. After completing tasks prepare report in .docx.

Your report must contain following structure:

* *Title page*
* *Content*
* *Introduction*
* *Main part (Solutions and descriptions of the laboratory work tasks)*
* *Conclusion*
* *References*

1. Upload your report and solutions (code) on <https://dl.iitu.kz>

*!Note – Provide your solution after each item.*

**Common inforamtion**

Laravel is a free, open-source PHP web framework, created by Taylor Otwell and intended for the development of web applications following the model–view–controller (MVC) architectural pattern and based on Symfony. Some of the features of Laravel are a modular packaging system with a dedicated dependency manager, different ways for accessing relational databases, utilities that aid in application deployment and maintenance, and its orientation toward syntactic sugar. The source code of Laravel is hosted on GitHub and licensed under the terms of MIT License.

Following topics should be covered in this work:

* Configuration;
* Routing;
* Controllers;
* Requests;
* Responses;
* Views;
* Blade templates;
* Migration;
* Query Builder;
* Model;
* ect.

**Tasks for laboratory work:**

*\*In this laboratory work you need develop Laravel project and project name should be correspond to course project topic. You may use results of laboratory works 1-6 for this project.*

1. Create own Laravel project.
2. Determine at least 3 or more routes and create appropriate views.
3. To organize main behaviors using Controller classes.
4. To use for internal structure of views blade templating engine. Layouts should contain following structure/sections: header, navigation bar, content, footer and ect.
5. To create a page for sending form data and organize controller for responses.
6. To create a migration for database.
7. To use query builder and models to work with database.