

# **Отчет по выполнению 5-ого этапа индивидуального проекта**

**Сайт научного работника**

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## **Список таблиц**

# 1 Цель работы

На этом этапе я сделаю записи для персональных проектов, сделаю пост по прошедшей неделе и по “Языки научного программирования”.

## 2 Выполнение лабораторной работы

Я написала пост по предыдущей неделе (рис. 2.1).

```
1  ---
2  title: "My Crazy, Amazing, Rollercoaster Week"
3  summary: This past week was a mixed bag of experiences. It started with a joyful birthday celebration, followed by the stress of a challengi
4  date: "2025-05-10"
5
6  authors:
7  - admin
8  - Genifer
9
10 tags:
11 - Academic
12 - Hugo Blox
13 - Markdown
14 ---
15 Welcome
16 {{< toc mobile_only=true is_open=true >3}}
17
18 ✓ ## My last week
19
20 Okay, seriously, this last week was a whirlwind. It started with my birthday! I turned 19 and had a blast. My friends took me out for suahi
21
22 Then came the looming shadow of the calculus test. I spent pretty much every spare moment cramming, reviewing integrals, and trying to wrap
23 |
24 But the universe must have known I needed a pick-me-up because the best thing happened: we got a dog! We adopted him from the local shelter,
25
26 Released under the [MITI](https://github.com/HugoBlox/hugo-blox-bulder/blob/main/LICENSE.md) license.
```

Рис. 2.1: Пост по предыдущей неделе

Потом я сделала записи для персональных проектов. (рис. 2.2).

```
1  ---
2  title: NumPy
3  date: 2025-10-26
4  external_link: https://github.com/NumPy/NumPy
5  tags:
6  - Hugo
7  - Wowchemy
8  - Markdown
9  ---
10
11 The fundamental package for numerical computation in Python. Used extensively for creating and manipulating arrays, which are then c
12
13 <!--more-->
```

Рис. 2.2: Записи для персональных проектов

Потом я сделала записи для персональных проектов. (рис. 2.3).

```

1  ---
2  title: TorchVision
3  date: 2025-10-26
4  external_link: https://github.com/TorchVision/TorchVision
5  tags:
6    - Hugo
7    - Wowchemy
8    - Markdown
9  ---
10
11 Part of the PyTorch ecosystem, specifically designed for computer vision tasks. Provides datasets (e.g., ImageNet, CIFAR-10)
12
13 <!--more-->

```

Рис. 2.3: Записи для персональных проектов

Потом я сделала пост по “Языки научного программирования” (рис. 2.4).

```

1  ---
2  title: "Scientific programming languages."
3  summary: Scientific programming languages are specialized tools designed to facilitate numerical computation, data analysis, and visualization in scientific and engineer
4
5  date: "2025-05-10"
6
7  authors:
8    - admin
9    - Genifer
10
11 tags:
12 - Academic
13 - Hugo Blog
14 - Markdown
15 ---
16 Welcome
17 {{< toc mobile_only=true is_open=true >3}}
18
19 ✓ ## What are Scientific Programming Languages?
20
21 • Definition: Scientific programming languages are specialized programming languages (or general-purpose languages used in a specific way) designed to facilitate scier
22
23 • Key Characteristics:
24   • Numerical Computing Focus: Strong support for numerical operations, linear algebra, matrix manipulation, statistical analysis, and other mathematical functions.
25   • Performance Optimization: Designed or optimized for speed and efficiency, especially when dealing with large datasets or complex simulations.
26   • Data Analysis Capabilities: Tools for data cleaning, transformation, statistical modeling, and visualization.
27   • Scientific Libraries: Extensive libraries and toolkits providing pre-built functions for common scientific tasks (e.g., signal processing, image analysis, optimiz
28   • Visualization Tools: Capabilities for creating plots, graphs, and other visual representations of data.
29   • Community Support: Large and active communities of scientists and engineers who contribute to the development of libraries, tools, and documentation.
30   • Interoperability: Ability to integrate with other languages or tools used in scientific workflows.
31

```

Рис. 2.4: Пост по “Языки научного программирования”

## **3 Выводы**

Я сделала записи для персональных проектов, сделала пост по прошедшей неделе и по “Языки научного программирования”.



## **Список литературы**