

Website Project Report: University of Technology and Arts

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Group / Semester: AI 01 / Semester III

Website Link: <https://student047.akademiata.edu.pl/>

1. Introduction

This report presents the development, structural design, and technical features of my WordPress website titled "Akademiata Space Lab". The website is designed as a modern, interactive academic platform that focuses on cutting-edge fields such as Astrophysics, Quantum Physics, and Artificial Intelligence (AI) implementations in space research. The website was created using WordPress, allowing efficient content management, advanced page building with Elementor, and the integration of custom CSS and HTML code for a highly professional user interface.

2. Website Purpose

The primary purpose of the website is to simulate an advanced university laboratory environment. It aims to present academic research, upcoming technological events, and educational blog posts. The platform provides users with:

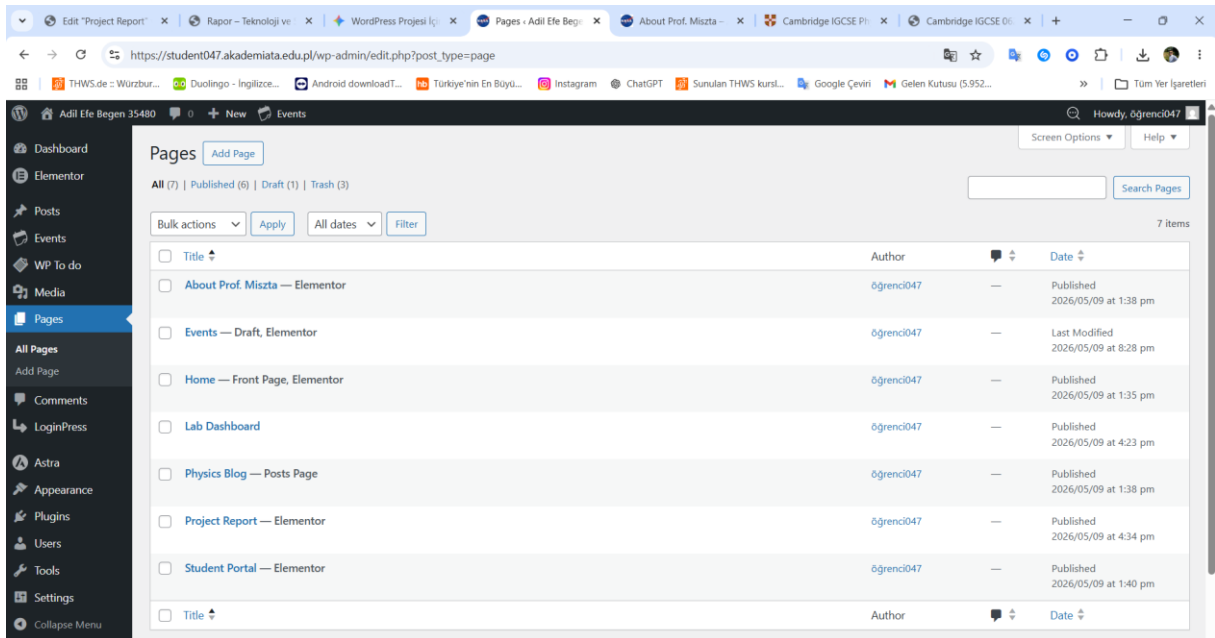
- Information about the laboratory and its lead researchers (Prof. Miszta).
- Interactive blog content related to physics and data science.
- An interactive event tracking system for hackathons and seminars.
- Visual and interactive content supported by modern web design trends like Glassmorphism and Parallax scrolling.

3. Website Structure

The website is structured to be highly user-friendly, utilizing a custom-designed "pill-shaped" navigation bar. The website contains the following main pages, fulfilling the project requirements:

Page Name	URL
Home	/home

Page Name	URL
Physics Blog	/physics-blog
About Prof. Miszta	/about-prof-miszta
Student Portal	/student-portal
Project Report	/project-report
Events	/events
Admin Panel	/wp-admin

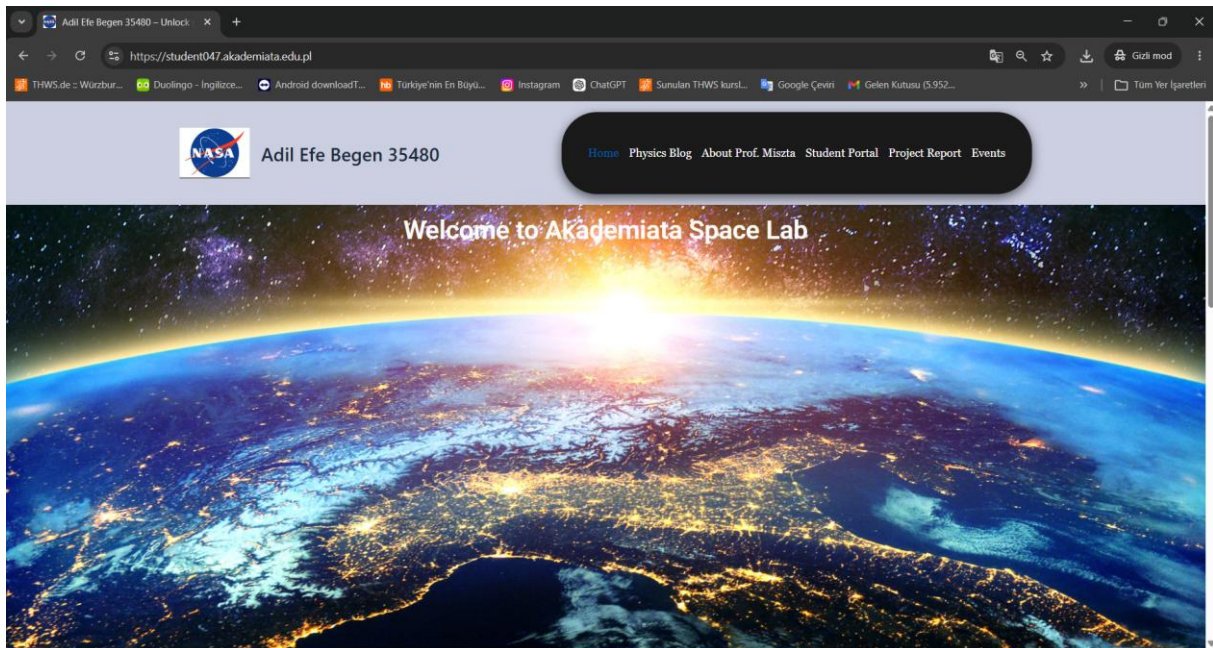


4. Homepage Description

The homepage serves as the main entry point, greeting visitors with a strong, immersive visual design based on a dark "Space/NASA" theme.

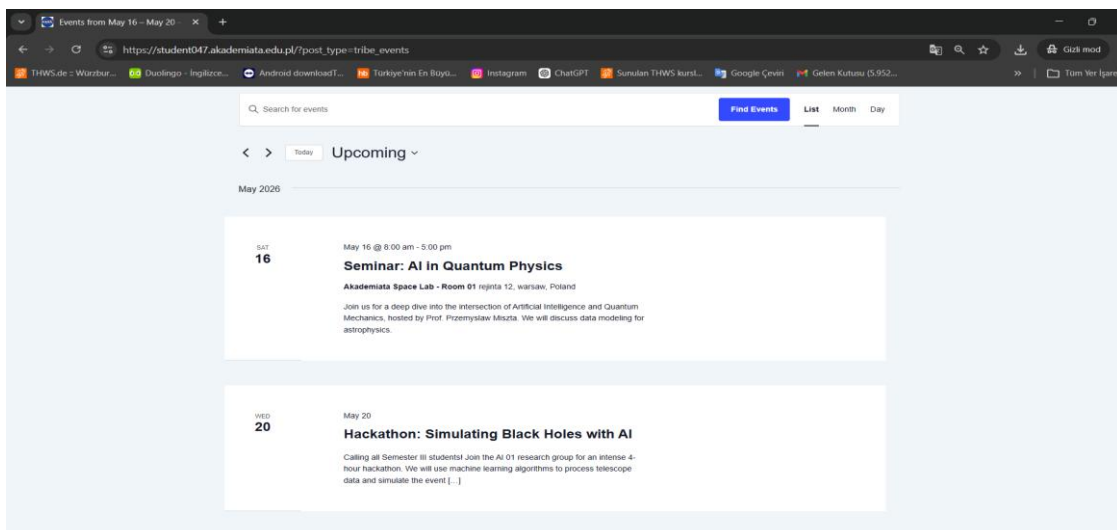
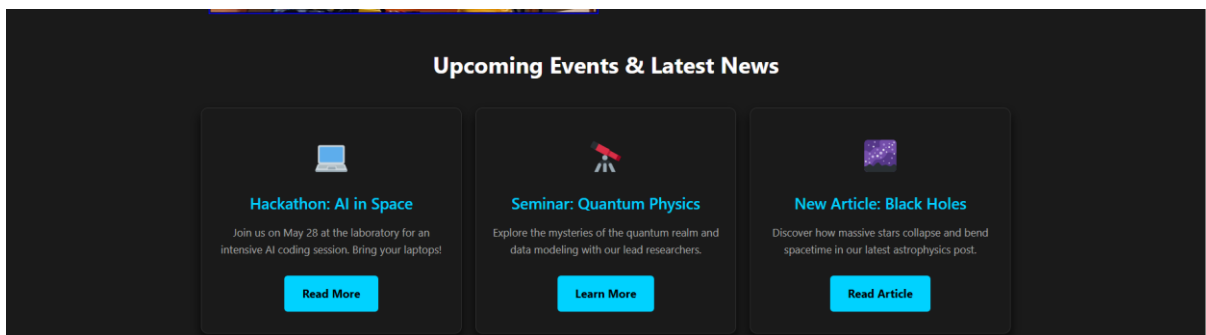
The homepage includes:

- A full-width Parallax background of Earth, creating a 3D depth effect as the user scrolls.
- A custom "Pill Menu" floating at the top for seamless navigation.
- A section displaying upcoming events using semi-transparent "Glassmorphism" cards.
- Custom entrance animations (Fade In, Zoom In) for dynamic content loading.



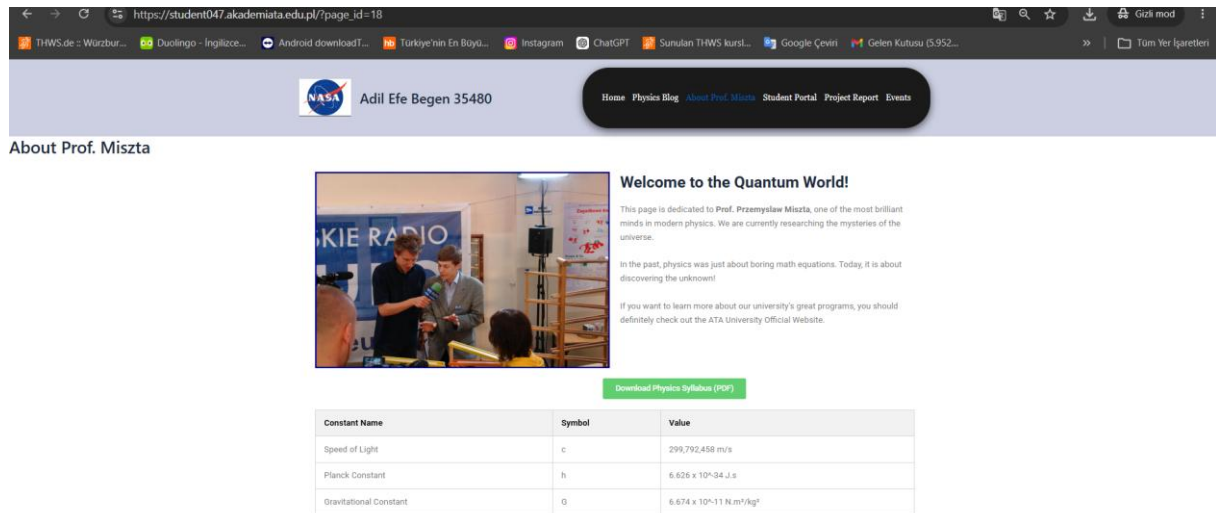
5. Events Section & Calendar View

The Events section presents upcoming laboratory activities. It includes categories such as AI Coding, Cyber Security, and Quantum Mechanics. Each event card displays an icon, title, short description, and a direct link to the event details. Additionally, the website features a calendar-based event system, allowing users to navigate between months and view schedules in List or Month formats.



6. About Section


The "About Prof. Miszta" page provides background information about the laboratory's lead researcher and academic achievements. This section builds academic credibility and introduces visitors to the ongoing research projects within the university.



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Home Physics Blog About Prof. Miszta Student Portal Project Report Events

About Prof. Miszta



Welcome to the Quantum World!

This page is dedicated to Prof. Przemyslaw Miszta, one of the most brilliant minds in modern physics. We are currently researching the mysteries of the universe.

In the past, physics was just about boring math equations. Today, it is about discovering the unknown!

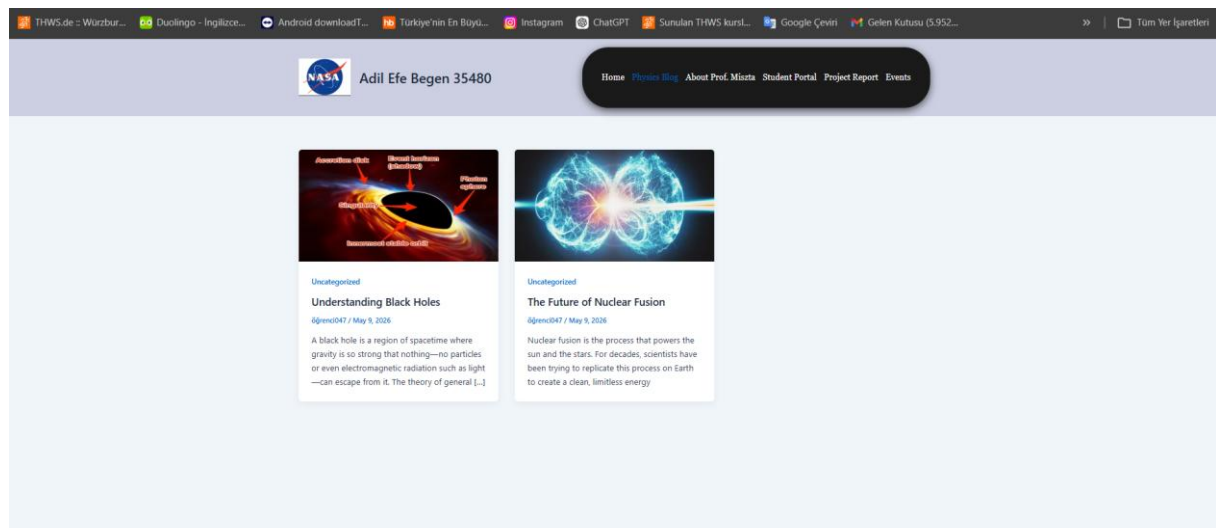
If you want to learn more about our university's great programs, you should definitely check out the ATA University Official Website.

[Download Physics Syllabus \(PDF\)](#)

Constant Name	Symbol	Value
Speed of Light	c	299,792,458 m/s
Planck Constant	h	6.626×10^{-34} J.s
Gravitational Constant	G	6.674×10^{-11} N.m ² /kg ²

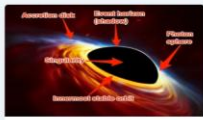
7. Blog Page

The "Physics Blog" page contains academic posts regarding complex IT and Physics topics. Key articles include topics like "Understanding Black Holes" and "The Future of Nuclear Fusion". Each post features a featured image, publication date, and categorized content to improve user engagement.



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Home Physics Blog About Prof. Miszta Student Portal Project Report Events




Understanding Black Holes

Unategorized

06ene047 / May 9, 2026

A black hole is a region of spacetime where gravity is so strong that nothing—no particles or even electromagnetic radiation such as light—can escape from it. The theory of general relativity predicts that a sufficiently compact mass will deform spacetime to form a black hole. The theory of general relativity predicts that a sufficiently compact mass will deform spacetime to form a black hole.



The Future of Nuclear Fusion

Unategorized

06ene047 / May 9, 2026

Nuclear fusion is the process that powers the sun and the stars. For decades, scientists have been trying to replicate this process on earth to create a clean, limitless energy.

8. Design and Visual Elements

The website utilizes a modern, dark-themed UI (User Interface) to match the space laboratory concept. Key design choices include:

- **Dark Theme:** Deep blacks and dark greys with neon blue (#00d2ff) accents for a futuristic look.
- **Glassmorphism:** Semi-transparent event cards using CSS backdrop-filter: blur(10px) to allow the Earth background to subtly show through.

- **Parallax Scrolling:** Fixed background attachments to create depth.
- **Animations:** Entrance animations applied to columns to create a dynamic browsing experience.

9. Custom HTML & CSS Integration

Unlike standard templates, custom coding was heavily utilized to achieve a unique layout.

Custom CSS for Navigation Menu: To override default theme settings and create a floating "pill" menu, the following CSS was injected into the Customizer:

CSS

```
@media (min-width: 992px) {  
  
  #ast-desktop-header .main-header-menu {  
  
    background-color: #1a1a1a !important;  
  
    border-radius: 50px !important;  
  
    padding: 8px 30px !important;  
  
    box-shadow: 0px 5px 15px rgba(0, 0, 0, 0.6) !important;  
  
  }  
  
}
```

Custom HTML for Footer and Cards: HTML blocks were manually inserted to construct the multi-column footer and the event cards, utilizing inline styles for flexbox alignment, borders, and hover transitions.



Edit HTML



HTML Code

HTML Code



```
1 <div style="text-align: center; margin-bottom: 40px; padding-top: 20px;">
2   <h2 style="color: white; font-size: 32px; font-weight: bold;">Upcoming
   Events & Latest News</h2>
3 </div>
4
5 <div style="display: flex; gap: 20px; flex-wrap: wrap; justify-content: center;">
6
7   <!-- Kutu 1: Hackathon -->
8   <div style="background: #1a1a1a; border: 1px solid #333; border-radius: 10px; padding: 30px 20px; flex: 1; min-width: 250px; text-align: center; box-shadow: 0 8px 15px rgba(0,0,0,0.8); transition: transform 0.3s;">
9     <div style="font-size: 45px; margin-bottom: 15px;">📄</div>
10    <h3 style="color: #00d2ff; margin-bottom: 15px; font-size: 22px;">
      Hackathon AT 10
```

10. Table Example & Download Feature

To present structured academic data, a table format is utilized within the website (e.g., listing research parameters or student schedules). Furthermore, a dedicated "Project Report" page

includes a download feature, allowing users to download academic documents (such as this PDF report) directly to their devices for offline use.

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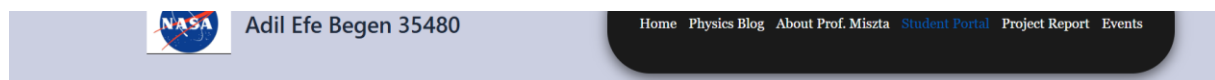


[Download Physics Syllabus \(PDF\)](#)

11. Admin Panel & Security (Login)

To manage the "Akademiata Space Lab" portal, a secure administrative login system is used. Access to the backend is restricted to authorized users via the /wp-admin gateway. This section allows the administrator to:

- Update research data and Prof. Miszta's academic biography.
- Manage security plugins and monitor site health.
- Access the Elementor editor to modify the "Glassmorphism" visual effects.



Student Portal

Student / Researcher Login

Student ID

Password

[LOGIN](#)

Pre-Experiment Checklist

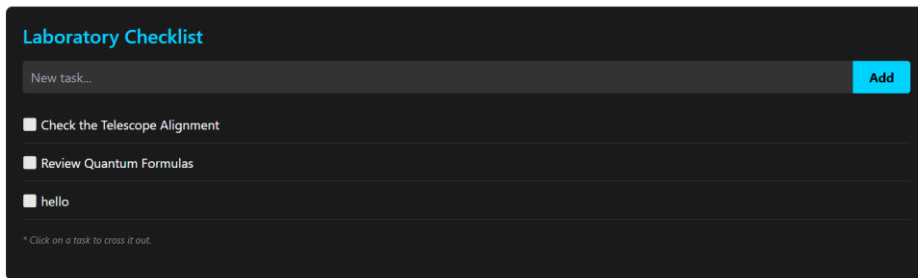
12. Interactive Checklist (To-Do List) Feature

To enhance the functionality and user experience of the portal, an interactive Checklist (To-Do List) was integrated into the website. This feature is designed to help students and researchers organize their academic workload efficiently. Key functionalities of this list include:

- **Task Management:** Users can track their ongoing projects, assignments, or upcoming laboratory tasks.
- **Interactivity:** The checklist allows users to actively check off completed items, providing a dynamic and practical tool rather than just static text. This feature demonstrates the successful implementation of interactive functional components

within the WordPress environment, significantly improving the site's utility for its target audience.

Pre-Experiment Checklist



13. Conclusion

In conclusion, the "Akademiata Space Lab" website successfully simulates a highly advanced, interactive academic portal. By combining standard WordPress features (Pages, Posts, Menus) with advanced web design techniques (Custom CSS, HTML Flexbox, Parallax, and Entrance Animations), the project demonstrates a comprehensive understanding of modern web development and content management systems.

14. References

- WordPress.org Documentation. Available at: <https://wordpress.org/>
- Elementor Page Builder Guidelines.
- WSEIZ University Resources and Materials.