**PURBANCHAL UNIVERSITY SCIENCE AND TECHNOLOGY**



**Internship Report**

**on**

**RENTAL MARKETPLACE , PRODUCT AND SERVICE MANAGEMENT SYSTEM**

**at**

**Need Technosoft Pvt. Ltd.**

In partial fulfillment of requirements for the degree of

Bachelor in Information Technology (BIT)

**Submitted by:**

|  |  |
| --- | --- |
| **Komal krishna shrestha** | **[21498/075]** |

**Under the Supervision of**

**Rakesh Thakur**

**Submitted to:**

**PURBANCHAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**Biratnagar, Nepal**

**2081**

**INTERNSHIP REPORT**

**ON**

**RENTAL MARKETPLACE , PRODUCT AND SERVICE MANAGEMENT SYSTEM**

**INTERNSHIP ACCEPTANCE LETTER**

**INTERNSHIP COMPLETION CERTIFICATE**

**MENTORS’ RECOMMENDATION**

**SUPERVISORS’ RECOMMENDATION**

I am pleased to offer my recommendation for the document entitled "**Rental Marketplace , Product and Service Management System** ", skillfully developed under my supervision by **Mr. Komal krishna Shrestha (21498/075)**, a proficient student currently pursuing the **Bachelor In Information Technology** program at **PUSAT**. This report represents the partialfulfillment of the requirement for the completion of his bachelor’s degree at Purbanchal University.

I wholeheartedly suggest the submission of this report for comprehensive evaluation.

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Sir Rakesh Thakur

Lecturer

Mahendra Morang Adarsh Multiple Campus

Biratnagar

**EXAMINERS’ APPROVAL LETTER**

The undersigned certify that the report entitled **Internship Report on Rental Marketplace ,Product and Service Management System at Need Technosoft** submitted by **Komal Krishan Shrestha**, in the partial fulfillment of the requirements for the degree of **Bachelor in Science and Information Technology (BIT)** set by **Purbanchal University** has been examined and accepted.

………………………

………………………

Sir Naresh Shah

**Mr………………..**

For, Director

External Examiner

BIT Program

Purbanchal University of Science and Technology

Biratnagar

**ACKNOWLEDGMENT**

Without the kind support and assistance of many people and organizations, the efforts of the internship would not have been successful. I want to express my sincere gratitude to each and every one of them.

I would like to convey my appreciation to my mentor **Mr. Chhatraman Shrestha**, **Chief Technology Officer (CTO)** at **Need Technosoft Pvt. Ltd.** for guiding and mentoring methroughout the internship period. I would also like to give special thanks to my internship **Supervisor Sir Rakesh Thakur**, showed a genuine interest in me and my learning's and helpedme along by giving me all the ideas, expertise, and information required during this period of time.

I also appreciate **Sir Naresh Shah , Director of PUSAT**, for his assistance no matter the time and period.

I owe a lot of gratitude to **Purbanchal University of Science and Technology** for their direction and ongoing oversight, as well as for giving me the knowledge needed to land an internship.

Finally, I would like to extend our profound gratitude to all of my friends, family members, and other supporters who helped me during the internship period and contributed in any way to its success.

Sincerely,

Komal Krishna shestha

**ABSTRACT**

The internship experience at **Need Technosoft Pvt Ltd**, where I, Komal Krishna Shrestha, developed a **RENTAL MARKETPLACE,PRODUCT AND SERVICE MANAGEMENT SYSTEM** using Laravel, has been a transformative journey of practical learning and skill enhancement. Throughout the internship, I actively engaged in various aspects of web development, collaborating with a dedicated team and harnessing cutting-edge technologies. By working on the Shulav Services web application, I gained hands-on experience in frontend and backend development, database management, and agile development methodologies. The system features robust product filtering by categories, locations, and price ranges, with a streamlined admin-user architecture for efficient management of rental products and services. This report encapsulates the tasks performed, challenges overcome, and lessons learned during the internship, underscoring the pivotal role of real-world applications in shaping and refining my expertise in the dynamic field of web development.

Keywords: Laravel, rental marketplace, product management, web development, intern, internship

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| **LIST OF ABBREVIATIONS** | |
| AJAX | Asynchronous JavaScript and XML |
| CRUD | Create, Read, Update, Delete |
| CSS | Cascading Style Sheets |
| DB | Database |
| ERD | Entity Relationship Diagram |
| HTML | Hypertext Markup Language |
| HTTP | Hypertext Transfer Protocol |
| IDE | Integrated Development Environment |
| JS | JavaScript |
| JSON | JavaScript Object Notation |
| JWT | JSON Web Token |
| MVC | Model View Controller |
| MVP | Minimum Viable Product |
| ORM | Object-Relational Mapping |
| PHP | PHP: Hypertext Preprocessor |
| REST | Representational State Transfer |
| SQL | Structured Query Language |
| UI | User Interface |
| UX | User Experience |
| XAMPP | Cross-Platform, Apache, MySQL, PHP and Perl |