**TRIBHUVAN UNIVERSITY**

**INSTITUTE OF SCIENCE AND TECHNOLOGY**

**LUMBINI ICT CAMPUS**



**Internship Report On**

**“Study In India”**

A final year internship report submitted in

partial fulfillment of the requirements for the degree of

Bachelor of Science in Computer Science and Information Technology

awarded by Tribhuvan University.

**Submitted By**

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# ACKNOWLEDGEMENT

Internship program, required for the fulfillment of 8th semester of Bachelor of Computer Science in Computer Science and Information Technology (BSc. CSIT) degree of Tribhuvan University has provided me with an opportunity to learn technical skills, teamwork, communication and about real-world scenario and working environment in IT sector.

Firstly, I would like to take this opportunity to express my sincere gratitude to **Tribhuvan University** as well as **Lumbini ICT Campus** administration for providing me this opportunity to explore my interest in web development as well as gain real world work experience through the help of this internship program.

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# LIST OF ABBREVIATIONS

CSS Cascading Style Sheets

DBMS Database Management System

HTML Hypertext Markup Language

JS JavaScript

PHP PHP Hypertext Preprocessor

QA Quality Assurance

UI User Interface

UX User Experienc

**Educational Web Applications**

The evolution of educational web applications has been pivotal in simplifying administrative processes and enhancing access to educational resources. Platforms such as Learning Management Systems (LMS) and Student Information Systems (SIS) have played a substantial role in streamlining course management, student enrollment, and resource sharing. These systems have demonstrated the potential to improve institutional efficiency and student engagement (Kam Leung Yeung, 2021).

**Laravel PHP Framework**

The choice of the Laravel PHP framework for the development of the "Study in India" project is notable. Laravel's reputation for elegance, robustness, and developer-friendly features has made it a preferred choice in web application development. Its flexibility and scalability align well with the dynamic requirements of educational platforms.

**User-Centric Design**

User-centric design principles have gained prominence in educational systems, emphasizing the importance of user-friendly interfaces. Research indicates that well-designed interfaces enhance user experiences, promote engagement, and contribute to the success of educational applications. The "Study in India" project's commitment to user-centric design is in harmony with these findings.

**Authentication and Authorization**

Authentication and authorization mechanisms are critical aspects of web applications in education. Role-based access control (RBAC) systems have been widely adopted to manage user privileges and data security (Holland, 2019). In the "Study in India" project, RBAC is employed to ensure that administrators, universities, and normal users access only the information and functionalities relevant to their roles.

**Approval Workflows**

Approval workflows have proven invaluable in educational management systems, particularly in the context of universities and administrators. These workflows ensure that changes to university details, course offerings, and scholarships are reviewed.

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