

# TUTOR FINDER SYSTEM (TuteeNep)

A CIS Project Report

Submitted to:

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Kathmandu University

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Information Systems (BBIS)

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Sincerely,

Shleshma Shrestha

## DECLARATION

I, Shleshma Shrestha, hereby declare that the work reported on this project report entitled "Tutor Finder System" submitted to Kathmandu University is an original work done in the form of partial fulfilment of the requirements for the Bachelor of Business Information Systems under the guidance and supervision of Mr. Bibhav Adhikari. This is not presented in any other institution for grading. It will only be used for academic purposes.

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## TABLE OF CONTENTS

ACKNOWLEDGEMENT .....	i
DECLARATION.....	ii
COPYRIGHT .....	iii
LIST OF FIGURES .....	vii
LIST OF TABLES .....	viii
EXECUTIVE SUMMARY .....	ix
CHAPTER 1 .....	1
INTRODUCTION .....	1
1.1 Background of Study .....	1
1.2 Statement of Problem .....	2
1.3 Objectives of study .....	2
1.4 Rationale of Study .....	3
1.5 Limitations.....	4
CHAPTER 2 .....	5
REVIEW OF LITERATURES .....	5
2.1 Theoretical Review .....	5
2.2 Empirical Review .....	6
2.3 Use Case Diagram .....	7
2.4 ER Diagram .....	8
CHAPTER 3 .....	10
FEASIBILITY STUDY .....	10
3.1 Technical Feasibility .....	10
3.2 Economic Feasibility .....	10
3.3 Operational Feasibility .....	10
3.4 Scheduling Feasibility .....	10
CHAPTER 4 .....	11

SYSTEM SPECIFICATIONS .....	11
4.1 Introduction of System .....	11
4.2 System Requirements.....	11
4.3 System Description.....	12
CHAPTER 5 .....	13
FINAL PRODUCT .....	13
5.2 About Us Page .....	14
5.3 Login Page.....	15
5.4 Become a Tutor.....	15
5.5 Tutor Sign Up .....	16
5.6 Tutor Login.....	16
5.7 Tutor Dashboard .....	17
5.8 Tutor Registration Form .....	18
5.9 Admin Login.....	19
5.10 Admin Dashboard – Tutor Verification .....	19
5.11 Admin Dashboard – Tutor Approval History.....	20
5.12 Update Tutor Profile .....	21
5.13 Sessions .....	22
5.14 Booking Requests .....	23
5.15 Find Tutors (from Home Page).....	23
5.16 Student Sign Up.....	24
5.17 Student Login: .....	24
5.18 Student Dashboard.....	25
5.19 Find Tutors (from Student Dashboard).....	25
5.20 Student Bookings.....	27
5.21 Update Student Profile.....	28
CHAPTER 6 .....	29

COMPARISON AND ANALYSIS .....	29
6.1 Comparison with Similar Products.....	29
6.2 SWOT Analysis .....	31
CHAPTER 7 .....	33
DISCUSSION.....	33
7.1 User Interface and Experience.....	33
7.2 User Registration and Engagement .....	33
7.3 System Performance and Efficiency.....	33
7.4 Limitations and Future Improvements .....	34
7.5 Achievement of Objectives.....	34
7.6 Conclusion .....	34
REFERENCES .....	35

## LIST OF FIGURES

Figure 1: Use Case Diagram .....	7
Figure 2: Entity-Relationship Diagram.....	8
Figure 3: Home Page .....	13
Figure 4: About Us Page .....	14
Figure 5: Login Page.....	15
Figure 6: Become a Tutor Page.....	15
Figure 7: Tutor Sign Up Page .....	16
Figure 8: Tutor Login Page .....	16
Figure 9: Tutor Dashboard .....	17
Figure 10: Tutor Registration Form I.....	18
Figure 11: Tutor Registration Form II.....	18
Figure 12: Admin Login.....	19
Figure 13: Admin Dashboard - Tutor Verification .....	19
Figure 14: Admin Dashboard - Tutor Approval History .....	20
Figure 15: Update Tutor Profile .....	21
Figure 16: Sessions Page .....	22
Figure 17: Booking Requests Page .....	23
Figure 18: "Find Tutors" Page (from Home Page) .....	23
Figure 19: Student Sign Up Page.....	24
Figure 20: Student Login Page .....	24
Figure 21: Student Dashboard .....	25
Figure 22: Find Tutors Page (from Student Dashboard).....	25
Figure 23: Find Tutors Page (from Student Dashboard) - Tutor Details I.....	26
Figure 24: Find Tutors Page (from Student Dashboard) - Tutor Details II.....	26
Figure 25: Student Bookings Page.....	27
Figure 26: Student Bookings Page - Tutor Details .....	27
Figure 27: Update Student Profile .....	28



## LIST OF TABLES

Table 1: Comparison of TuteeNep with Smart Tuition Finder.....	29
Table 2: Comparison of TuteeNep with Tutor Finder Mobile Application.....	30

## EXECUTIVE SUMMARY

TuteeNep is an innovative platform designed to bridge the gap between students seeking personalized tutoring and qualified tutors in Nepal. In today's fast-paced educational landscape, personalized education has become crucial for students aiming to excel in their academic pursuits. Recognizing this need, TuteeNep focuses on creating an intuitive and user-friendly web application that connects students with tutors based on their specific requirements, such as subjects and grades. This report details the objectives, methodologies, results, and impact of the project, highlighting TuteeNep's contribution to enhancing educational opportunities across the country.

The primary objective of the TuteeNep project was to develop a platform that seamlessly connects students with qualified tutors while ensuring an optimal user experience. A comprehensive database system that stores detailed profiles of tutors and students has been implemented, facilitating efficient matchmaking based on specific criteria. A combination of technologies, including PHP for server-side scripting, MySQL for database management, and HTML/CSS for front-end development have been employed to create a responsive and accessible platform. Throughout the development process, data security has been prioritized, ensuring that all user information is protected through secure authentication and encryption protocols. In addition, the platform's design allows for scalability, enabling future expansion and integration of additional features, such as mobile applications.

The successful implementation of TuteeNep has significant implications for the educational sector in Nepal. By providing easy access to a wide range of qualified tutors, TuteeNep empowers students to take control of their learning journey, leading to improved academic outcomes. Furthermore, the platform offers an opportunity for skilled tutors to reach a broader audience, enhancing their professional growth and contributing to the overall development of the education ecosystem in Nepal.

In conclusion, TuteeNep not only addresses the immediate needs of students and tutors but also lays the foundation for future advancements in educational technology. With continuous support and collaboration, TuteeNep aims to expand its reach and impact, ultimately revolutionizing the way education is delivered in Nepal.

# CHAPTER 1

## INTRODUCTION

### 1.1 Background of Study

In contemporary education, the need for tailored support extends beyond traditional classrooms. Despite the rise of online educational resources and e-learning platforms, many high school students in Nepal still struggle to find tutors who meet their specific needs. The usual way of finding tutors involves searching through various sources, which can be time-consuming and often leads to mismatches and frustration. Research shows that individual tutoring significantly enhances learners' comprehension and attitudes compared to classroom settings (Bryn Jeffries, 2020).

Online tutoring platforms offer a pivotal solution, providing flexibility for students to engage with educational materials outside conventional settings (Dhawan, 2020). Recognizing this need, the Tutor Finder System, “TuteeNep”, has emerged as a vital online platform to address the ongoing challenge of finding suitable tutors. TuteeNep combines "tutee" (students) and "Nep" (Nepal) to communicate its mission: connecting high school students in Nepal with qualified tutors.

The recent results from the Secondary Education Examination (SEE) 2079 highlight the urgent need for a more effective tutoring platform. According to the National Examination Board (NEB), only 4.63% of students achieved A+, while a significant portion scored below average, with 21.09% falling between a 2 to 2.4 GPA and 18.42% between a 2.4 to 2.8 GPA (NEB, 2023). Additionally, in the present, only 47.86% of students passed the SEE, meaning more than half failed (Dhakal, 2024). These figures underscore the substantial need for extra academic support and intervention to help highschoolers improve their performance and overcome obstacles hindering their educational progress.

TuteeNep addresses these educational challenges by offering a centralized platform that connects students with verified tutors, ensuring both credibility and an efficient matching process tailored to students' specific needs. The platform aims to enhance

academic performance through personalized one-on-one tutoring as well as collaborative group sessions. By streamlining the tutoring process, TuteeNep significantly improves learning outcomes, empowering high school students to achieve their academic objectives and excel in their studies.

## 1.2 Statement of Problem

The lack of a single, user-friendly platform where students can easily connect with tutors makes it difficult for them to get the academic support they need. Current methods, such as word-of-mouth and social media, are inefficient and often lead to mismatches in availability and expertise. This highlights the need for a centralized platform that can simplify the process of finding suitable tutors, ensuring students receive the help they require.

Tuteenep is designed as a solution to create and evaluate a tutor-finding web application that provides a platform for students to find tutors outside of the classroom based on the subjects for which they require additional assistance (Gonzale, 2023).

TuteeNep addresses this challenge by connecting students with qualified tutors for personalized tutoring sessions. This system helps to bridge the gap between students and tutors, making it easier for students to achieve their academic goals. With the use of technology, TuteeNep seeks to improve access to quality educational support, thereby empowering learners to succeed academically.

## 1.3 Objectives of study

The main objective of this project is to provide convenient and personalized tutoring services through an online platform, facilitating effective learning and helping students achieve their academic objectives.

The specific objectives of the project, aligned with the SMART criteria, are:

a) Facilitate easy access to quality education.

Specific: Enable students to easily find and connect with qualified tutors.

Measurable: Register at least 200 students within the first year.

Achievable: Market the platform through social media, schools, and educational forums.

Relevant: Addresses the current gap in accessible, quality education support.

Time-bound: Achieve this target within the first 12 months of launch.

b) Offer personalized tutoring.

Specific: Provide personalized tutoring sessions based on individual learning requirements.

Measurable: Conduct at least 300 personalized tutoring sessions in the first year.

Achievable: Train tutors to customize lessons according to student needs.

Relevant: Personalized tutoring improves student comprehension and performance.

Time-bound: Reach this goal within the first 12 months of launch.

c) Help with homework and exam preparation.

Specific: Assist students with homework, exam preparation, and difficult subjects.

Measurable: Ensure that at least 70% of students report improved understanding and grades.

Achievable: Provide resources and training to tutors for effective support.

Relevant: Supports students in achieving better academic results.

Time-bound: Achieve this improvement rate within the first year.

These SMART goals guide the project to ensure it remains specific, measurable, achievable, relevant, and time-bound, thus enhancing the likelihood of successful implementation and adoption.

## 1.4 Rationale of Study

The scope of this study encompasses the development, implementation, and evaluation of TuteeNep, an innovative online platform designed to connect students with qualified tutors. This project aims to address the identified gaps in the current tutoring landscape by providing a streamlined, efficient, and user-friendly solution that enhances access to personalized academic support. The study explores various aspects of the platform's functionality, including tutor-student matching algorithms and user interface design.

A significant focus of the study is on the platform's ability to cater to the diverse needs of students from different educational backgrounds. The platform is designed to support a wide range of subjects, ensuring that students have access to tutors who specialize in the areas they need assistance with. Furthermore, the study examines the effectiveness of various tutoring formats offered by TuteeNep, such as one-on-one sessions and group tutoring, in improving students' academic performance and engagement.

In addition to enhancing educational outcomes for students, the study also investigates the platform's impact on tutors. By providing a centralized space for tutors to offer their services, TuteeNep aims to create new opportunities for educators to expand their reach and build their professional networks. The study assesses the platform's effectiveness in attracting skilled tutors, ensuring quality education delivery.

Overall, the study provides valuable insights into the design and implementation of an online tutoring platform that addresses the current challenges faced by students and educators in accessing effective academic support. This research will serve as a foundation for future improvements to TuteeNep and similar educational initiatives, ultimately contributing to the advancement of digital learning solutions.

### 1.5 Limitations

The TuteeNep platform is delimited by its availability exclusively within Nepal. This geographic limitation ensures that the platform can focus on addressing the specific educational challenges and requirements of Nepalese students and tutors. By concentrating on a single country, TuteeNep can tailor its services to meet local needs and comply with regional regulations more effectively.

Users must be logged in to access the feature of finding tutors. This requirement enhances privacy and security, ensuring that only registered users can search for tutors, thus protecting the data and interactions of both students and tutors.

The limitations regarding technology access and digital literacy among potential users in Nepal are acknowledged. To mitigate these issues, TuteeNep implements user-friendly tutorials and support resources to help users navigate the platform effectively. Additionally, partnerships with local schools and community organizations could facilitate greater access to technology and digital literacy programs, ensuring that a broader range of students can benefit from the platform's services.

## CHAPTER 2

### REVIEW OF LITERATURES

#### 2.1 Theoretical Review

In today's rapidly evolving educational landscape, technology has transformed how knowledge is accessed and delivered, leading to the rise of online learning platforms. TuteeNep is designed to facilitate personalized, context-rich educational experiences by providing a platform where students can connect with tutors who tailor their teaching methods to individual learning styles and needs. By offering personalized tutoring sessions, TuteeNep aligns with the principles of differentiated instruction, which aims to accommodate diverse learner preferences and paces, ultimately enhancing educational outcomes.

From a technological perspective, TuteeNep utilizes advancements in web development and database management to create a seamless user experience for both tutors and students. The platform employs a PHP and MySQL-based architecture to ensure efficient data handling and robust backend processes. Responsive design techniques make TuteeNep accessible across various devices, supporting the Universal Design for Learning (UDL) framework, which advocates for flexible learning environments that accommodate individual differences in learners (Subedi, 2024).

Moreover, TuteeNep addresses critical gaps in academic support by offering a centralized repository of qualified tutors across different subjects and grade levels. This centralization promotes educational equity by bridging geographical and socioeconomic barriers, ensuring that all students have access to quality education. By emphasizing one-on-one and group tutoring sessions, TuteeNep aligns with social constructivist theories, enhancing learning through collaboration and dialogue (Farah, 2021). Overall, TuteeNep represents a significant advancement in integrating technology and education, providing an interactive and adaptive learning environment for students and tutors alike.

## 2.2 Empirical Review

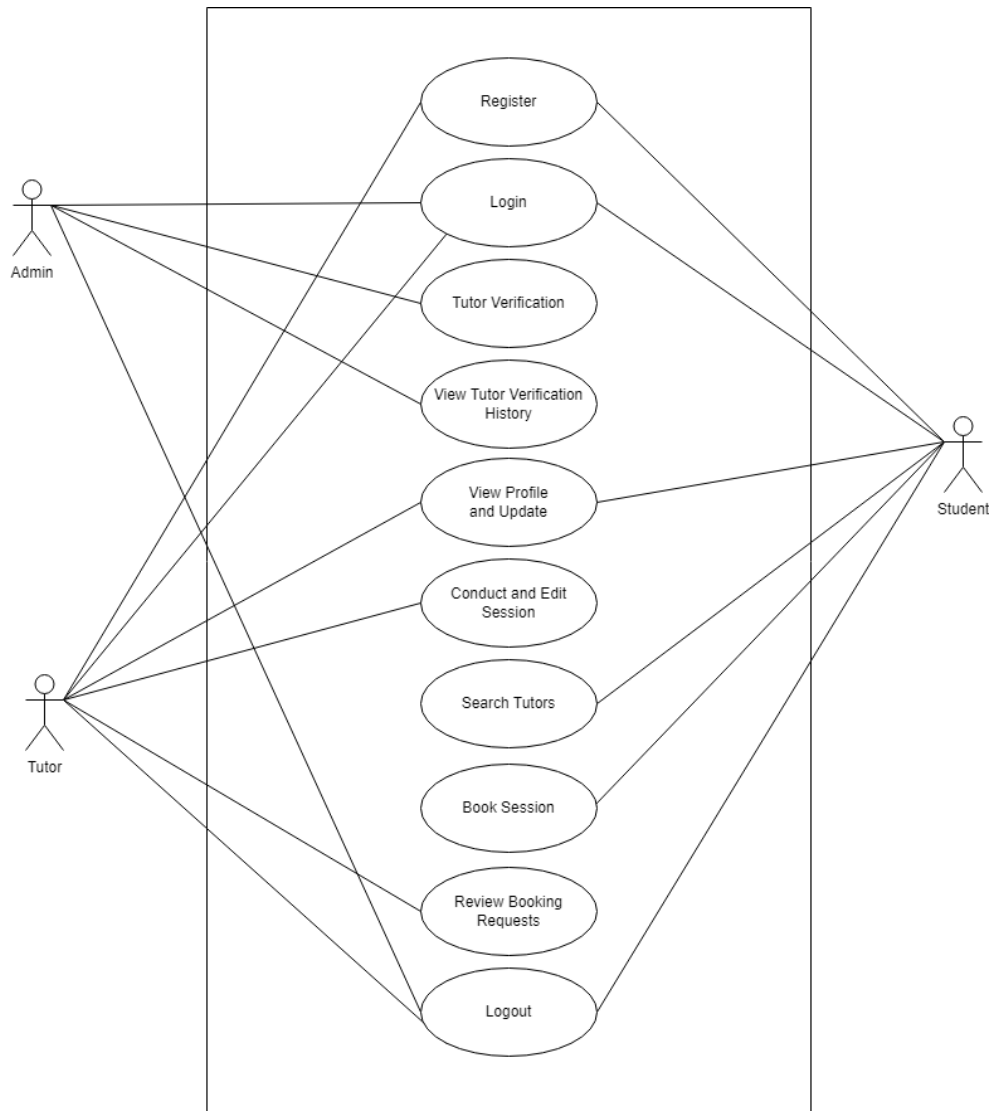
The paper proposes "Smart Tuition Finder," an application designed to address the challenge of finding trustworthy tutors, particularly in metropolitan areas like Karachi. It utilizes a location-based search system, recommendation engine, and secure payment method, operating on an Escrow model. The application aligns with Sustainable Development Goals (SDGs) by promoting quality education through its features. The Feature Vs Goals framework is employed to analyze how specific application features contribute to achieving SDGs, offering insights for enhancing existing or future applications towards societal progress. (Muhammad Saad, 2019) This framework can be instrumental in guiding the development of TuteeNep, ensuring that the platform not only meets educational needs but also contributes to broader societal goals.

The study found that the "Project Learn" system was well-received by users, who found it user-friendly and essential for their needs. Both experts and end-users were satisfied with its performance, and feedback was used to enhance its functionality. The system underwent development phases following the SDLC model and was assessed based on various criteria, including functional suitability, reliability, and usability. Recommendations include continuous feedback collection from users, acting on suggestions for improvement, and considering additional features based on user feedback to enhance the system further. (Gonzalez, 2023) TuteeNep can adopt these practices to ensure the platform remains responsive to user needs and expectations, enhancing both user satisfaction and educational outcomes.

According to Ahmad Faizuddin Bin Mohd Shukri, "Tutor Finder Mobile Application Using Normalize Technique" is a system which focuses on students to find their tutor around the campus. This system provides a rating feature for the students to rate their tutor based on the experience of the student with the tutor. This system can help to overcome the problem to make a new production more efficient. (Shukri, 2019) While TuteeNep won't initially include a rating and feedback system, it remains a possibility for future expansion.



## 2.3 Use Case Diagram



*Figure 1: Use Case Diagram*

The use case diagram for the Tutor Finder System depicts interactions between three primary actors: Admin, Student, and Tutor. Admin can login, approve or reject the registration of tutors, view the verification history, and log out of the system. Both tutors and students can log in, view and update their profiles, and log out once their required task is completed. For students, an additional feature enables them to explore and connect with suitable tutors, facilitating session bookings that are conducted and managed by the tutors. As for tutors, they can confirm or cancel the booking requests. This diagram outlines the system's core functionalities and user interactions, guiding further development and design decisions.

## 2.4 ER Diagram

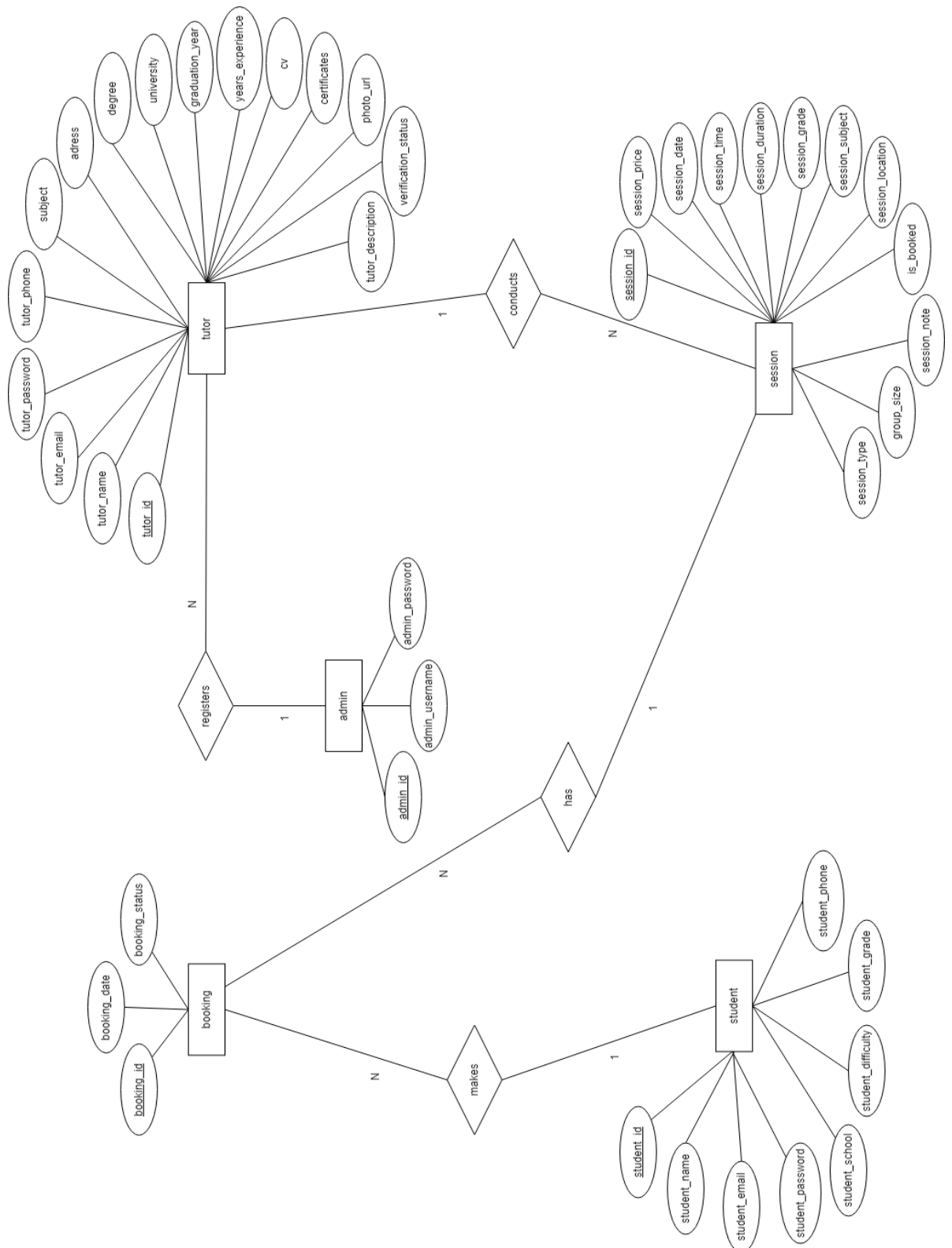


Figure 2: Entity-Relationship Diagram

The ER diagram features three main entities: "Student," "Tutor," and "Admin." Each entity represents a distinct group with specific attributes. Students have details like ID, name, email, password, school, difficulty level, and grade. Tutors are characterized by their ID, name, email, phone, password, address, degree, university, graduation year, experience, CV, certificates, photo URL, description, and verification status. Admins are identified by their ID, password, and username.

The relationships between these entities are further elaborated through diamonds: "Registers," "Conducts," "Has," and "Makes." The "Registers" signifies the process where a tutor registers, linking them to the "Tutor" entity. "Conducts" represents a tutor conducting a session, connecting to the "Session" entity. The "Has" diamond suggests a session can have multiple bookings, connecting "Session" to "Booking." Finally, "Makes" signifies the booking process, connecting "Student" to "Booking."

The "Session" entity itself is composed of numerous attributes like ID, date, time, duration, grade, subject, type, location, group size, note, and booked status. This intricate breakdown allows for detailed session management and tracking

## CHAPTER 3

### FEASIBILITY STUDY

A comprehensive feasibility study was conducted to assess the viability of TuteeNep.

#### 3.1 Technical Feasibility

The assessment indicates favorable prospects for development, with the system's ability to integrate databases and user interfaces within the prescribed timeline. Additionally, its scalability, responsiveness and performance align with project requirements, ensuring it can accommodate future growth effectively. However, integration challenges pose a risk, which will be mitigated through thorough testing, resource allocation for troubleshooting to address any issues.

#### 3.2 Economic Feasibility

The analysis reveals a positive outlook, with development costs well within budgetary constraints, positioning the project for financial viability. However, the risk of budget overruns could jeopardize the project's financial feasibility. Regular budget reviews, prioritization of essential features, and cost-saving measures will mitigate this risk.

#### 3.3 Operational Feasibility

Assessments highlight the system's compatibility with manageable maintenance requirements indicating minimal operational challenges. However, challenges related to user adoption and maintenance complexity could impact operational efficiency. Extensive user training and onboarding, clear documentation, and continuous feedback gathering will mitigate these challenges.

#### 3.4 Scheduling Feasibility

Established project milestones and timelines provide a clear roadmap for development, testing, and deployment phases, with contingency plans in place to address potential scheduling risks and delays. Agile development methodologies, regular project progress reviews, and resource capacity planning ensure project scheduling feasibility and address unforeseen obstacles effectively.

# CHAPTER 4

## SYSTEM SPECIFICATIONS

### 4.1 Introduction of System

TuteeNep emerges as a transformative platform designed specifically for high school students in Nepal, aiming to reshape the educational landscape. By offering a user-friendly interface and a vast database of proficient tutors, TuteeNep revolutionizes the way students access academic support. With its intuitive interface and extensive database of tutors, TuteeNep will simplify the process of finding the right tutor based on subject expertise and location preferences.

Students can explore a variety of subjects and connect with tutors who align with their learning goals, whether it's exam preparation, subject mastery, or academic enrichment. TuteeNep fosters dynamic learning environments where students will receive personalized feedback and access resources to enhance their understanding of various topics.

As Nepal embraces digital transformation in education, TuteeNep emerges as a pioneering force driving positive change and shaping the future of learning in the country.

### 4.2 System Requirements

The minimum system requirements necessary for the functionality of the TuteeNep are mentioned below:

#### 4.2.1 Hardware Requirements

- a) i3 Processor Based Computer or higher
- b) Memory: 1 GB
- c) Hard Drive: 50 GB
- d) Monitor
- e) Internet Connection

#### 4.2.2 Software Requirements:

- a) Windows 7 or higher
- b) Apache Server
- c) Notepad++
- d) My SQL 5.6
- e) Any Browser

#### 4.3 System Description

TuteeNep is an online platform designed to address the persistent challenge of connecting students in Nepal with suitable tutors tailored to their individual learning needs. It offers a comprehensive platform for students in Nepal to easily find qualified tutors tailored to their academic needs. With an extensive tutor database organized by subject expertise and grade level proficiency, students can efficiently locate tutors matching their requirements. The user-friendly interface, coupled with customizable search filters, ensures seamless navigation and personalized tutor discovery. Detailed tutor profiles provide insights into qualifications, and teaching experience, aiding students in informed decision-making. Notably, all tutors undergo a rigorous registration process, and their profiles are visible only upon admin approval, ensuring the credibility and reliability of the platform.

To enhance user safety and comply with relevant regulations, TuteeNep employs robust security measures and data privacy protocols. Advanced authentication mechanisms ensure that only authorized users can access sensitive information. Additionally, TuteeNep adheres to strict data privacy regulations, providing users with control over their personal information and ensuring confidentiality.

Overall, the Tutor Finder System aims to revolutionize the way students access academic support in Nepal by providing a centralized platform that simplifies the process of finding, evaluating, and engaging with qualified tutors.

# CHAPTER 5

## FINAL PRODUCT

### 5.1 Home Page

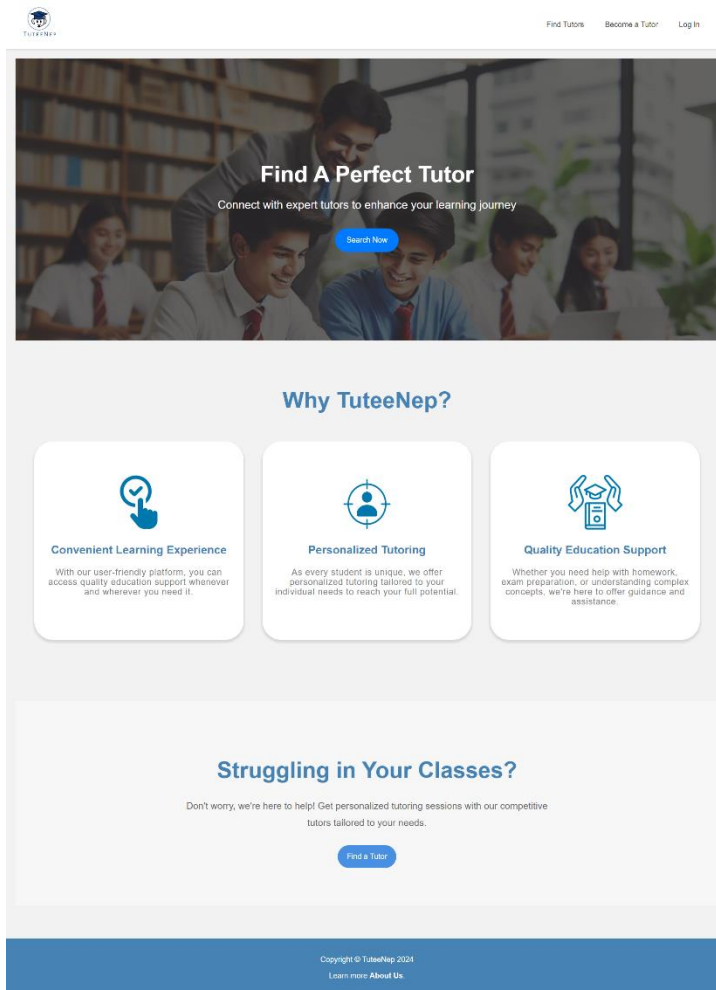


Figure 3: Home Page

TuteeNep offers a user-friendly homepage with easy navigation. Users can explore options to find tutors or become a tutor. Additionally, they can log in to access personalized features and learn more about this platform from the “About Us” section in the footer. For students seeking help, there’s a clear call to action: “Find a Tutor.” The page aims to attract potential users by emphasizing the platform's ability to provide tailored tutoring solutions to address students' academic challenges.

## 5.2 About Us Page

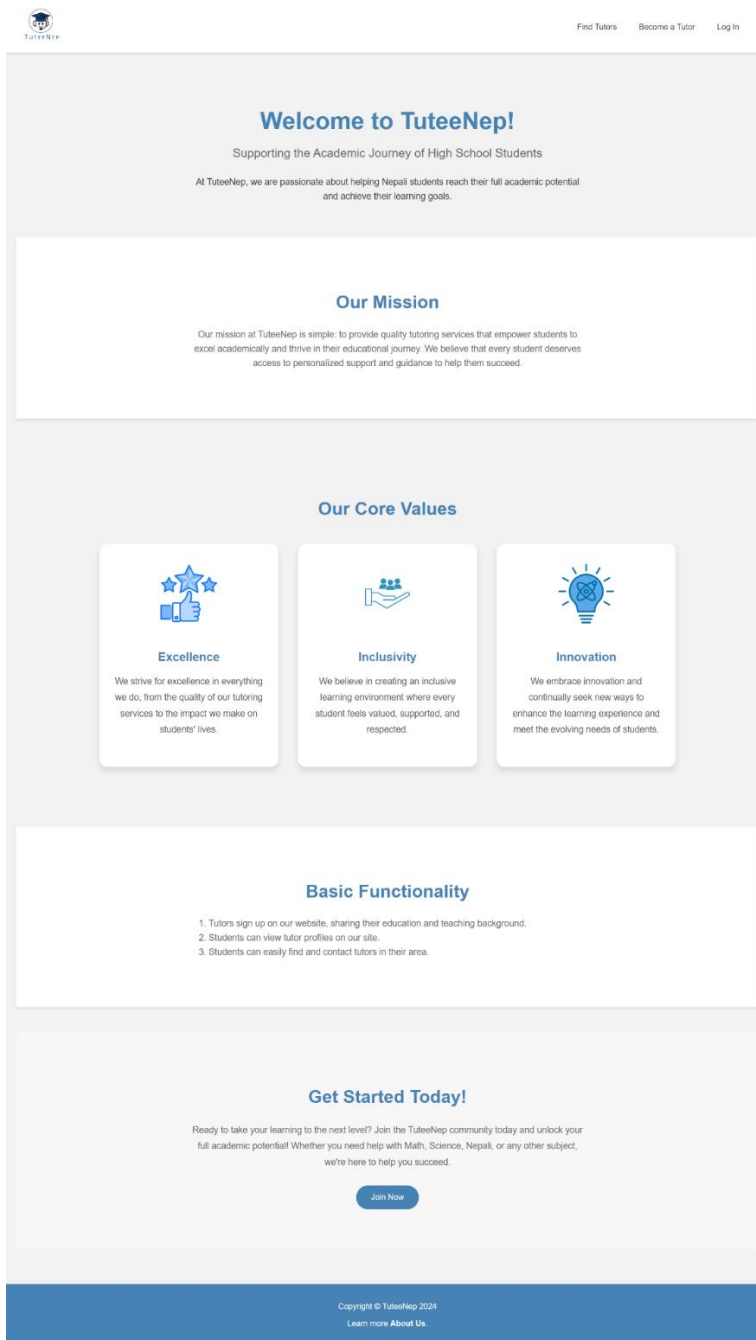


Figure 4: About Us Page

The “About Us” page effectively highlights the platform’s value proposition. Users benefit from a convenient learning experience, accessing quality educational support whenever and wherever they need it. This page also provides a brief insight on the basic functionality of TuteeNep. The call-to-action button inviting visitors to “Find a Tutor” encourages engagement and conversion. Overall, TuteeNep stands out as an appealing choice for prospective users.



## 5.3 Login Page

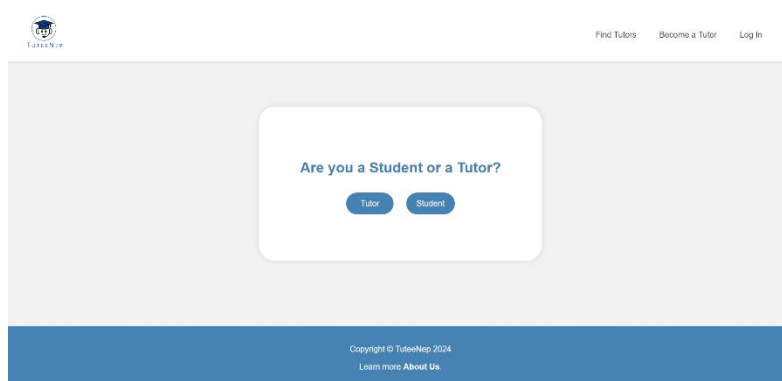


Figure 5: Login Page

The login page asks users to identify themselves as a student or a tutor to guide them to the appropriate section of the website.

## 5.4 Become a Tutor

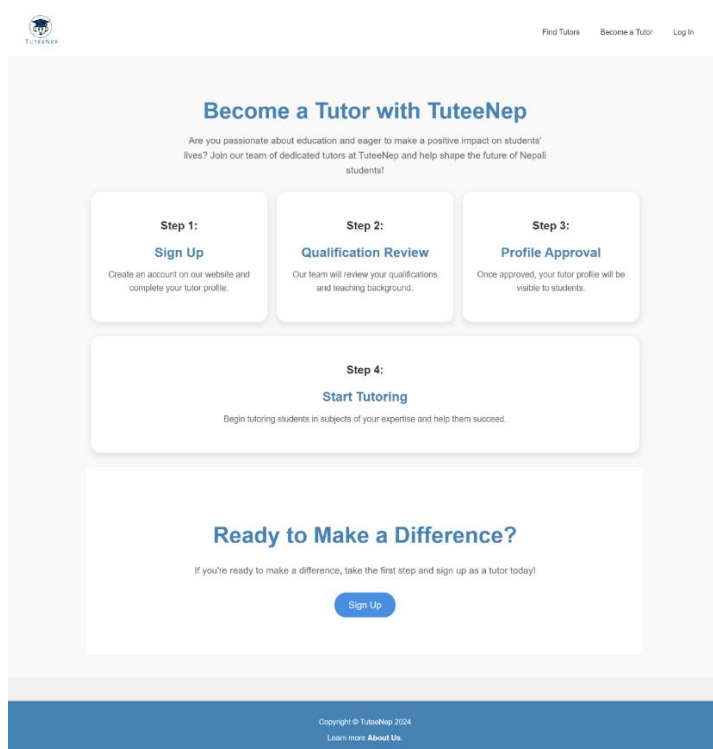
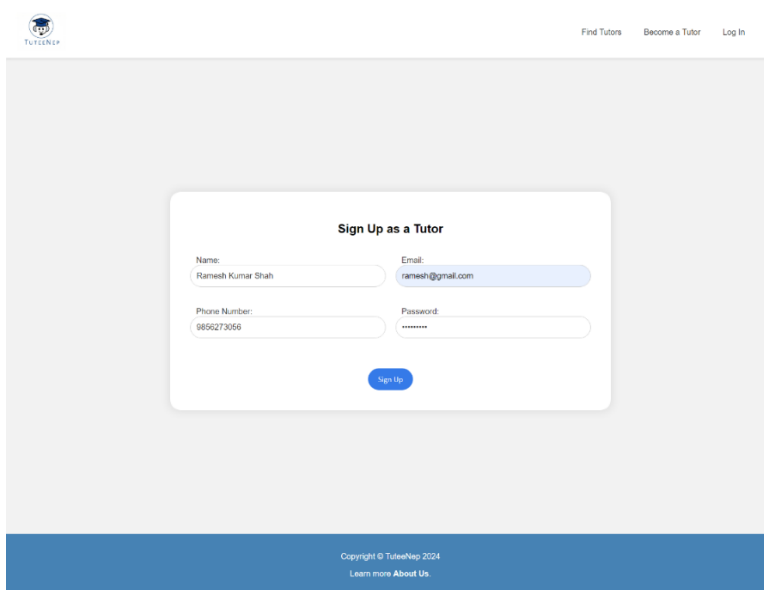


Figure 6: Become a Tutor Page

This page invites individuals to become tutors by outlining the steps involved in the process, starting with signing up and creating a tutor profile, followed by qualification review and profile approval. Once approved, tutors can start offering tutoring services to students. The page emphasizes the opportunity to make a positive impact on students' lives and encourages potential tutors to sign up.

## 5.5 Tutor Sign Up

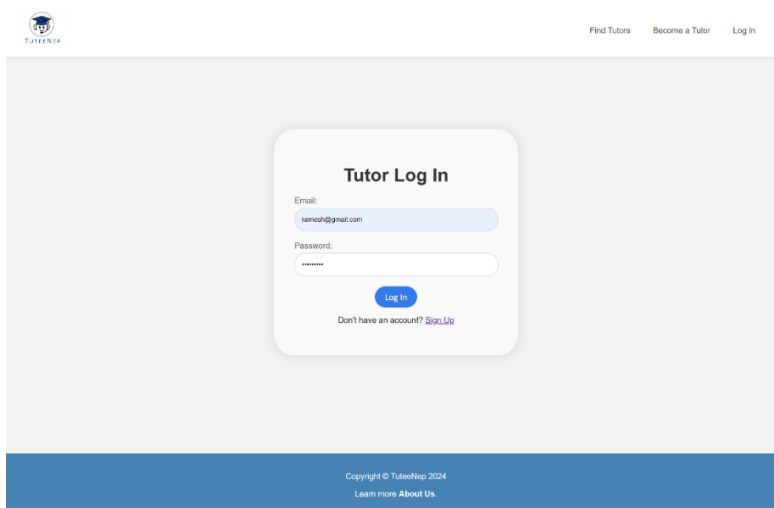


The screenshot shows the 'Sign Up as a Tutor' page. At the top left is the TutelNep logo. At the top right are links for 'Find Tutors', 'Become a Tutor', and 'Log In'. The main content area features a white card with the title 'Sign Up as a Tutor'. Inside the card are four input fields: 'Name' (filled with 'Ramesh Kumar Shah'), 'Email' (filled with 'ramesh@gmail.com'), 'Phone Number' (filled with '9856273056'), and 'Password' (filled with '\*\*\*\*\*'). A blue 'Sign Up' button is positioned below the fields. The footer is a blue bar containing the text 'Copyright © TutelNep 2024' and a link 'Learn more About Us'.

Figure 7: Tutor Sign Up Page

The Tutor Sign Up page allows individuals to register themselves as tutors on the platform, providing their personal details such as name, email, phone number, and creating a password for their account. Visitors can sign up and contribute to shaping the future of Nepali education.

## 5.6 Tutor Login



The screenshot shows the 'Tutor Log In' page. At the top left is the TutelNep logo. At the top right are links for 'Find Tutors', 'Become a Tutor', and 'Log In'. The main content area features a white card with the title 'Tutor Log In'. Inside the card are two input fields: 'Email' (filled with 'ramesh@gmail.com') and 'Password' (filled with '\*\*\*\*\*'). A blue 'Log In' button is positioned below the fields. Below the button is a link: 'Don't have an account? [Sign Up](#)'. The footer is a blue bar containing the text 'Copyright © TutelNep 2024' and a link 'Learn more About Us'.

Figure 8: Tutor Login Page

After the tutors complete their sign-up process, they can use their email and password to successfully log in to the system with their tutor profile.

## 5.7 Tutor Dashboard

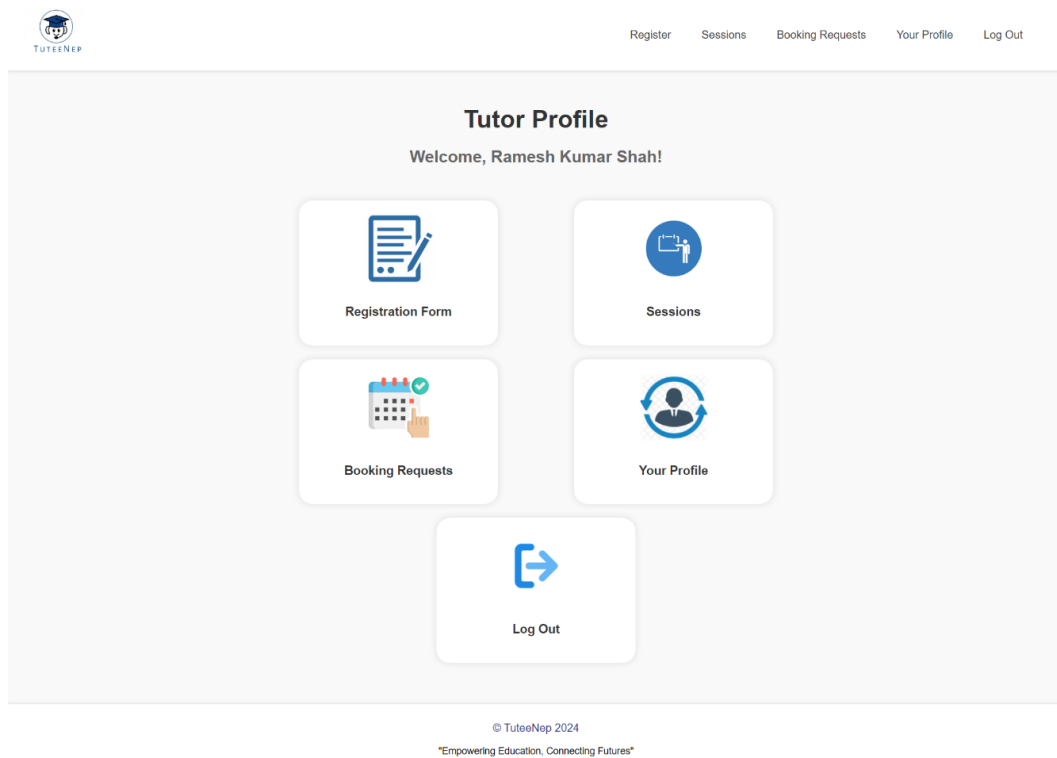
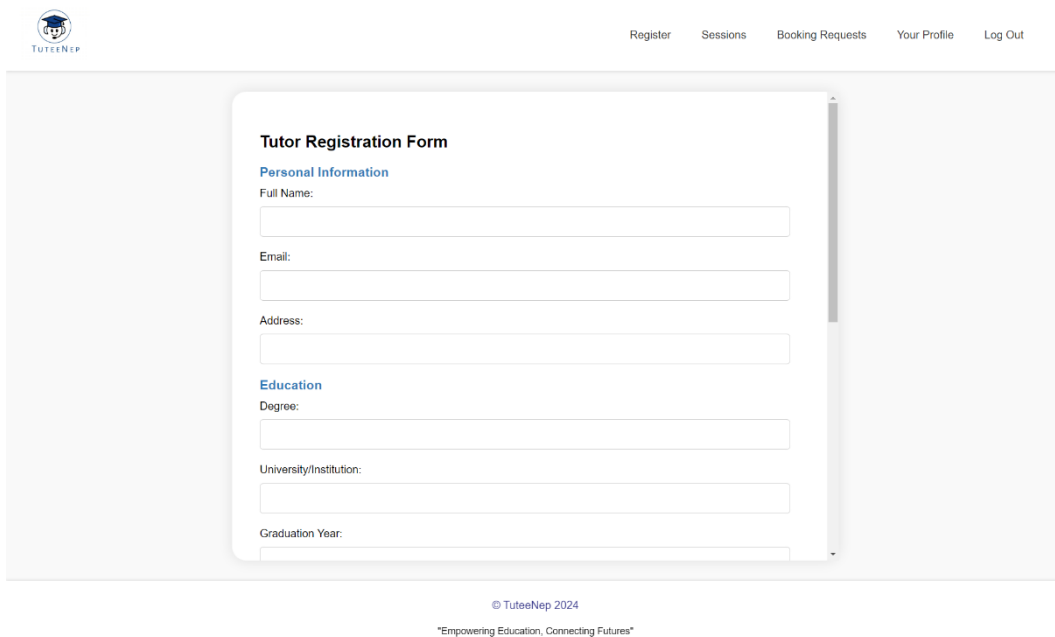


Figure 9: Tutor Dashboard

The Tutor Dashboard provides tutors with an at-a-glance overview of relevant information. Tutors can view and create tutoring sessions, fill out the registration form, and decide on the booking requests of students. Additionally, they can access their profile details, including qualifications and contact information. Overall, the Tutor Dashboard streamlines essential tasks for efficient tutoring.

## 5.8 Tutor Registration Form



The screenshot shows the 'Tutor Registration Form' with a header bar containing the TuteeNep logo and navigation links: Register, Sessions, Booking Requests, Your Profile, and Log Out. The form is divided into two sections: 'Personal Information' and 'Education'. The 'Personal Information' section includes fields for Full Name, Email, and Address. The 'Education' section includes fields for Degree, University/Institution, and Graduation Year. The form is set against a light gray background with a white form container.

**Tutor Registration Form**

**Personal Information**

Full Name:

Email:

Address:

**Education**

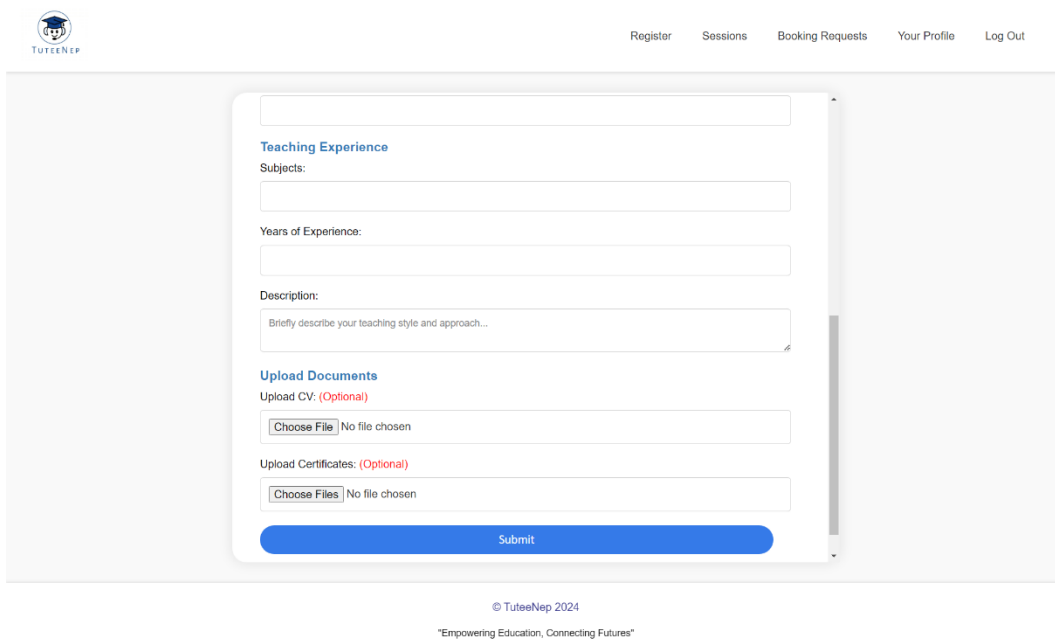
Degree:

University/Institution:

Graduation Year:

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Figure 10: Tutor Registration Form I



The screenshot shows the second part of the 'Tutor Registration Form'. It includes a 'Teaching Experience' section with fields for Subjects, Years of Experience, and a Description. Below this is an 'Upload Documents' section with two file upload areas: 'Upload CV: (Optional)' and 'Upload Certificates: (Optional)'. Each area has a 'Choose File' button and a 'No file chosen' status. A blue 'Submit' button is at the bottom of the form. The header bar is identical to the previous screenshot.

**Teaching Experience**

Subjects:

Years of Experience:

Description:

Briefly describe your teaching style and approach...

**Upload Documents**

Upload CV: (Optional)

Choose File | No file chosen

Upload Certificates: (Optional)

Choose Files | No file chosen

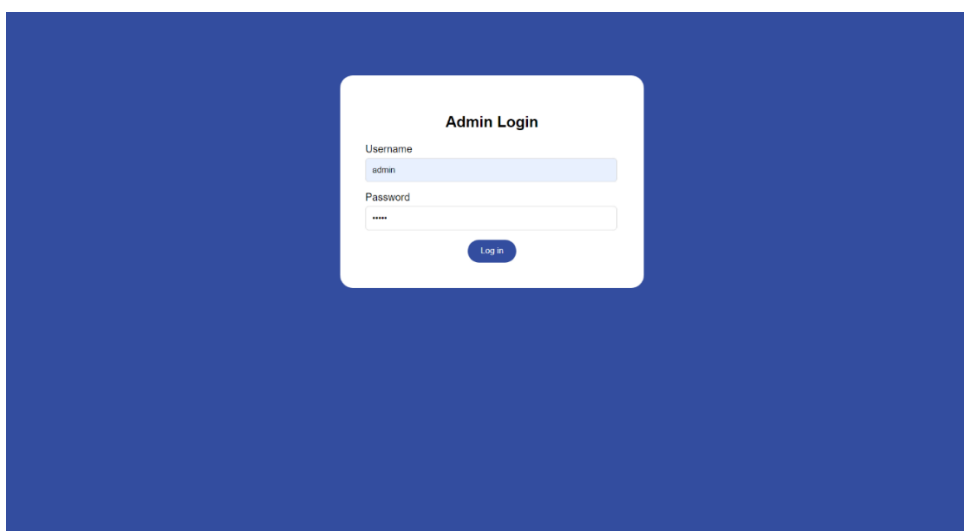
Submit

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Figure 11: Tutor Registration Form II

Within the Tutor Dashboard, tutors have the option to access the registration form. By completing this form with the necessary details and submitting it, tutors initiate the process. Subsequently, they await administrative approval, granting them access to additional features within their tutor profile.

## 5.9 Admin Login

The image shows a web interface for Admin Login. It features a white login box centered on a solid blue background. The box has a title "Admin Login" at the top. Below the title, there are two input fields: "Username" with the text "admin" entered, and "Password" with four asterisks "\*\*\*\*" entered. A blue "Log in" button is positioned below the password field.

Admin Login

Username  
admin

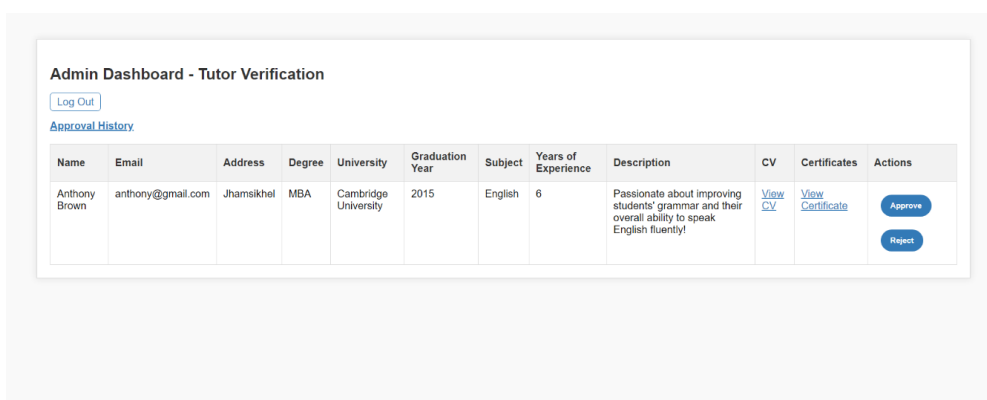
Password  
\*\*\*\*

Log in

Figure 12: Admin Login

The admin login interface features two input fields: one for the username and another for the password. Below the fields, a “Login” button submits the credentials. This page is a common security measure for restricted areas.

## 5.10 Admin Dashboard – Tutor Verification

The image shows the Admin Dashboard for Tutor Verification. It has a white header area with the title "Admin Dashboard - Tutor Verification", a "Log Out" button, and a link to "Approval History". Below this is a table with 12 columns: Name, Email, Address, Degree, University, Graduation Year, Subject, Years of Experience, Description, CV, Certificates, and Actions. The table contains one row of data for Anthony Brown.

Admin Dashboard - Tutor Verification

[Log Out](#)

[Approval History](#)

Name	Email	Address	Degree	University	Graduation Year	Subject	Years of Experience	Description	CV	Certificates	Actions
Anthony Brown	anthony@gmail.com	Jhamsikhel	MBA	Cambridge University	2015	English	6	Passionate about improving students' grammar and their overall ability to speak English fluently!	<a href="#">View CV</a>	<a href="#">View Certificate</a>	<a href="#">Approve</a> <a href="#">Reject</a>

Figure 13: Admin Dashboard - Tutor Verification

The Admin Dashboard is designed for tutor verification. Administrators can review and verify tutor credentials and qualifications. The dashboard includes a table with columns for tutor details such as name, email, address, degree, graduation year, years of experience, and a brief description. Actions like approving or rejecting applications are available.

## 5.11 Admin Dashboard – Tutor Approval History

Tutor Approval History

[Log Out](#)

[Back to Dashboard](#)

Search by Tutor Name:

Enter tutor's name...

Search by Subject:

Enter subject...


Name	Email	Address	Degree	University	Graduation Year	Subject	Years of Experience	CV	Certificates	Status
Ramesh Kumar Shah	ramesh@gmail.com	Lokanthali	BBS	Coventry University	2018	Science and Mathematics	3	<a href="#">View CV</a>	<a href="#">View Certificate</a>	approved
Ritu Raj Lamsal	ritu.lamsal@gmail.com	Chabahil	MIT	Universidad de Malaga	2020	Computer Science	7	<a href="#">View CV</a>	<a href="#">View Certificate</a>	approved
Gita Singh	gita101@gmail.com	Sanepa	Bachelor of Science	Tribhuvan University	2018	Mathematics	4	<a href="#">View CV</a>	<a href="#">View Certificate</a>	approved
Bibhav Adhikari	bibhav@gmail.com	Baneshwor	MBA	Pokhara University	2017	English, Nepali	6	<a href="#">View CV</a>	<a href="#">View Certificate</a>	approved
Vikram Yadav	vikramyadav@gmail.com	Sanepa	Bachelor of Science (B.Sc.) in Computer Science	Chandigarh University	2007	Computer Science	5	<a href="#">View CV</a>	<a href="#">View Certificate</a>	approved
Preeti Shrestha	preeti@gmail.com	Sanepa	Bachelor of Commerce (B.Com) in Accountancy	Tribhuvan University	2022	Accountancy	1	<a href="#">View CV</a>	<a href="#">View Certificate</a>	rejected
Pooja Baral	poojab@gmail.com	Sinamangal	Ph.D. in Physics	Caltech (California Institute of Technology), USA	2016	Physics	5	<a href="#">View CV</a>	<a href="#">View Certificate</a>	approved
Kumar Lohala	kumar@gmail.com	New Baneshwor, Kathmandu	BCA	Pokhara University	2010	Computer Science	8	<a href="#">View CV</a>	<a href="#">View Certificate</a>	approved
Bishesh Shakya	bisheshsk@gmail.com	Pulchowk	Bachelor of Science (B.Sc.)	Tribhuvan University	2020	Physics, Biology, Chemistry	3	<a href="#">View CV</a>	<a href="#">View Certificate</a>	approved

Figure 14: Admin Dashboard - Tutor Approval History

This webpage functions as an admin dashboard for overseeing tutor approval history. Administrators can review the approval status of tutors who have applied to be listed on the platform. Additionally, they can conveniently search for tutors by name. The dashboard provides features for viewing CVs and certificates.

## 5.12 Update Tutor Profile

**Update Profile**



**Personal Information**

Full Name:  
Ramesh Kumar Shah

Email:  
ramesh@gmail.com

Address:  
Lokantalli

**Education**

Degree:  
BBS

University/Institution:  
Coventry University

Graduation Year:  
2018

**Teaching Experience**

Subject:  
Science and Mathematics

Years of Experience:  
3

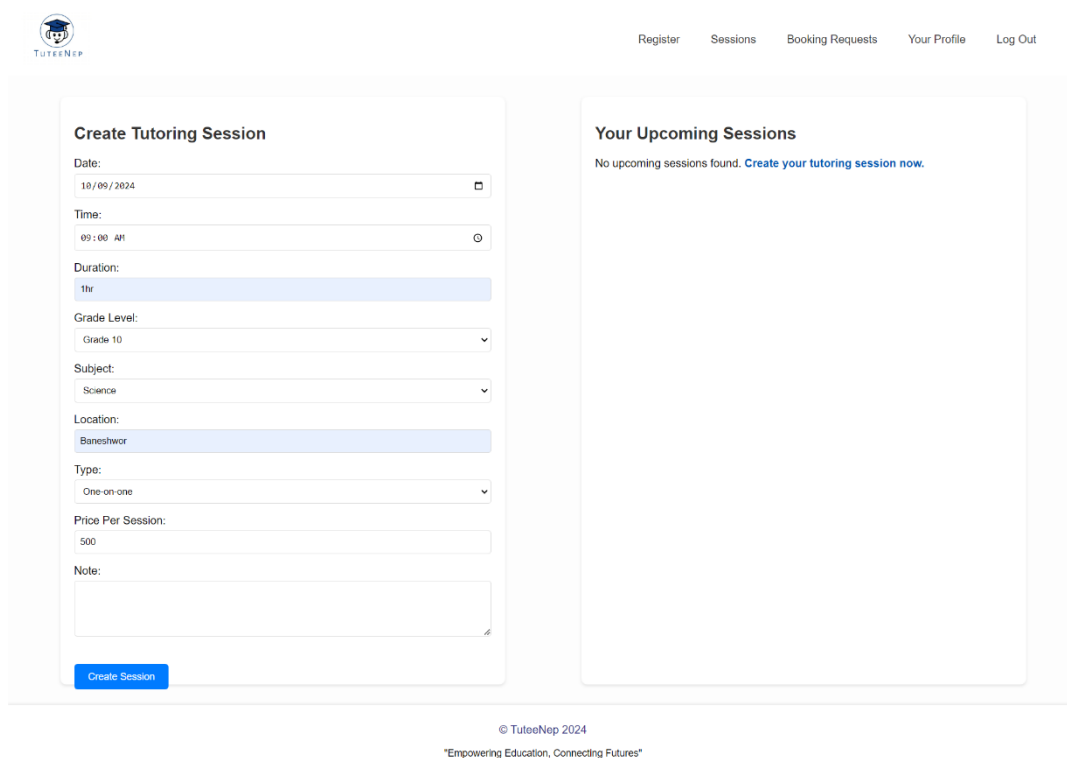
Description:  
Dedicated tutor with expertise in Science and Mathematics.

**Update**

Figure 15: Update Tutor Profile

Once the tutor registration is approved, the tutors can now update their profile information. They can update their personal details such as name, email, address, education, teaching experience, and profile photo. This information is used to create a tutor profile that students can view when searching for tutoring services.

## 5.13 Sessions



The screenshot shows the 'Sessions' page of the TuteeNep application. The page is divided into two main sections: 'Create Tutoring Session' on the left and 'Your Upcoming Sessions' on the right. The 'Create Tutoring Session' section contains a form with the following fields: Date (18/09/2024), Time (09:00 AM), Duration (1hr), Grade Level (Grade 10), Subject (Science), Location (Baneshwor), Type (One-on-one), Price Per Session (500), and a Note field. A 'Create Session' button is at the bottom of the form. The 'Your Upcoming Sessions' section displays the message 'No upcoming sessions found. [Create your tutoring session now.](#)'. The top navigation bar includes links for Register, Sessions, Booking Requests, Your Profile, and Log Out. The footer contains the copyright notice '© TuteeNep 2024' and the tagline 'Empowering Education, Connecting Futures'.

**Create Tutoring Session**

Date: 18/09/2024

Time: 09:00 AM

Duration: 1hr

Grade Level: Grade 10

Subject: Science

Location: Baneshwor

Type: One-on-one

Price Per Session: 500

Note:

[Create Session](#)

**Your Upcoming Sessions**

No upcoming sessions found. [Create your tutoring session now.](#)

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Figure 16: Sessions Page

Once the tutor registration is approved, the tutors can access the session page where they can input details such as date, time, grade level, subject, location, type, group size, and additional notes to schedule a tutoring session. The right side displays upcoming sessions, but currently, there are none listed. This indicates that the tutor needs to create their first session.



## 5.14 Booking Requests

**Booking Requests**

Student Details	Session Details
Name: Shreshma Shrestha	Session Date: 2024-09-17
Email: shreshmashrestha@gmail.com	Session Time: 10:00 am
Phone: 9853804096	Duration: 1hr 30min
Grade: 10	Grade: 9
School: Shuvafara	Subject: Optional Mathematics
	Location: Jhamakhel
	Price Per Session: 500.00

[Confirm Booking](#) [Cancel Booking](#)

**Booked Sessions**

Student Details	Session Details
Name: Shreshma Shrestha	Session Date: 2024-09-27
Email: shreshmashrestha@gmail.com	Session Time: 10:00 am
Phone: 9853804096	Duration: 1 hour
Grade: 10	Grade: 10
School: Shuvafara	Subject: Optional Mathematics
	Location: Sureshwor
	Price Per Session: 500.00
	Status: confirmed

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Figure 17: Booking Requests Page

This page displays booking requests and confirmed sessions. It allows tutors to review and manage their tutoring sessions, including confirming or canceling upcoming sessions. The page provides details about each session, such as the student's information, session date, time, duration, grade level, subject, and location.

## 5.15 Find Tutors (from Home Page)

**Discover the Best Tutors for Your Needs**

Join our platform to connect with experienced tutors who can help you excel in your studies.

[Login as Student](#) [Sign Up as Student](#)

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[Learn more About Us.](#)

Figure 18: "Find Tutors" Page (from Home Page)

This page provides a brief overview of TuteeNep's purpose and offers options for students to log in to their existing accounts or create a new account to start their search for a tutor.

## 5.16 Student Sign Up

**Sign Up as a Student**

Full Name:

Email:

Phone Number:

Password:

Grade Level:

Primary Subject of Concern:

School:

[Sign Up](#)

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[Learn more About Us.](#)

Figure 19: Student Sign Up Page

This student sign-up page allows prospective students to create an account by providing their personal information, including full name, email, password, phone number, grade level, primary subject of concern, and school name. Once completed, the student can sign up and access the platform to find and connect with tutors.

## 5.17 Student Login:

**Student Log In**

Email:

Password:

[Log In](#)

Don't have an account? [Sign Up](#)

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Figure 20: Student Login Page

After the students complete their sign-up process, they can use their email and password to successfully log in to the system with their student profile.

## 5.18 Student Dashboard

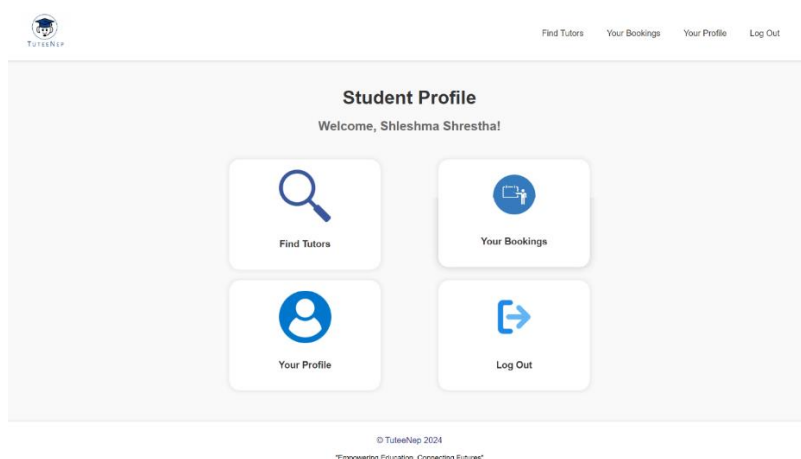


Figure 21: Student Dashboard

The student dashboard serves as a central hub for students to navigate different sections of the platform. They can access features to find tutors, view and manage their booked sessions, update their profile information, and log out of their account.

## 5.19 Find Tutors (from Student Dashboard)

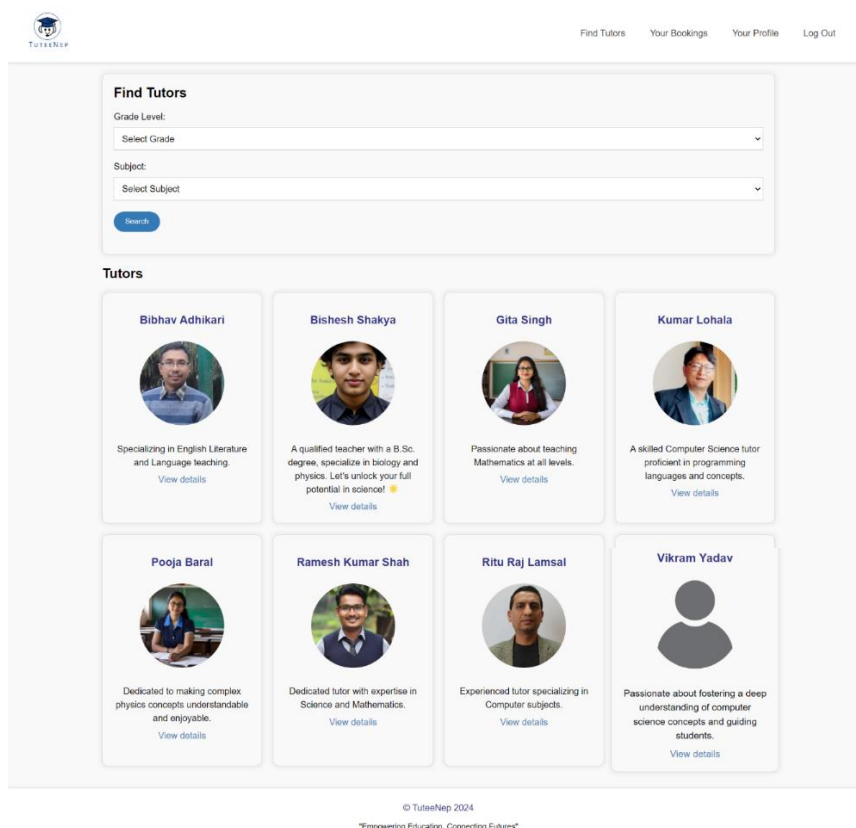


Figure 22: Find Tutors Page (from Student Dashboard)

The Find Tutors Page features a search bar to find tutors based on subject and grade level. Profiles of different tutors are displayed, each with a photo and expertise description. Students can view more details about the tutor by clicking on “View details” as shown below (Figure 23, Figure 24).

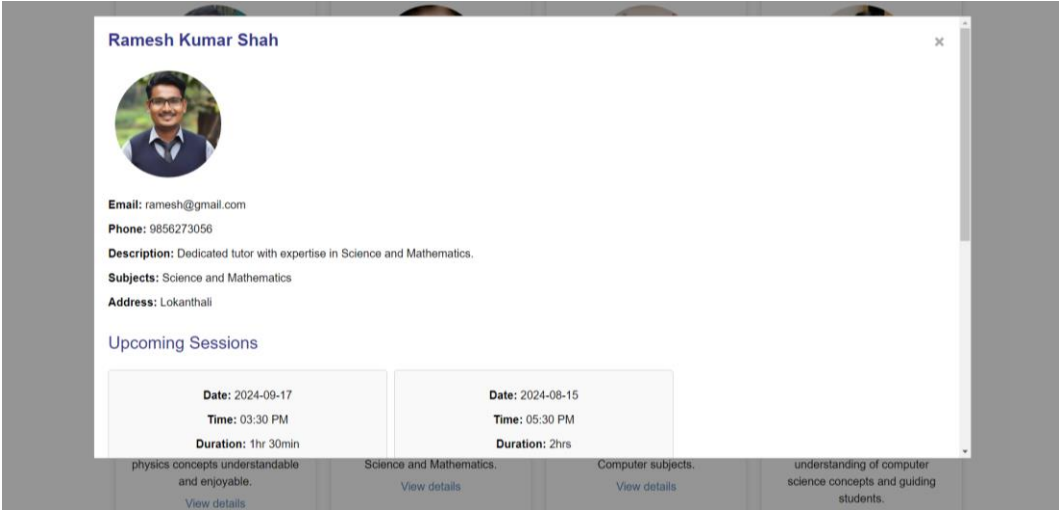


Figure 23: Find Tutors Page (from Student Dashboard) - Tutor Details I

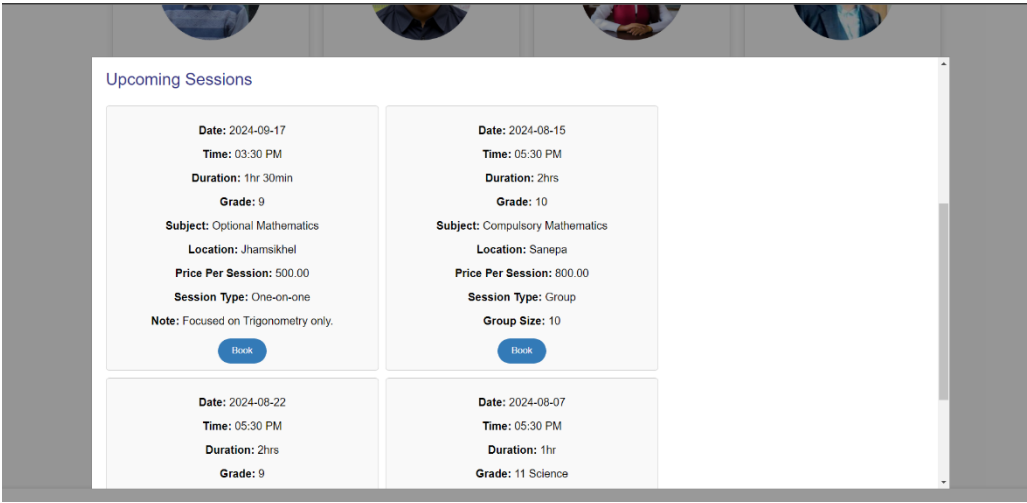


Figure 24: Find Tutors Page (from Student Dashboard) - Tutor Details II

When the student clicks on “View details”, it shows a pop-up with the tutor's name, contact information, a brief description, subjects they teach, and their address. Additionally, it lists upcoming sessions with details about each session, including date, time, duration, grade level, subject, location, session type, group size, and additional notes. Students can view details about a specific session and book their spot.

## 5.20 Student Bookings

The screenshot shows the 'Your Bookings' page with a header containing the TUTORNEP logo and navigation links: Find Tutors, Your Bookings, Your Profile, and Log Out. The page displays two booking entries for Ramesh Kumar Shah.

Booking ID	Tutor Name	Date	Time	Duration	Grade	Subject	Location	Price Per Session	Type	Status
1	Ramesh Kumar Shah	2024-09-17	10:00 am	1hr 30min	9	Optional Mathematics	Jhamsikhel	500.00	One-on-one	pending
2	Ramesh Kumar Shah	2024-09-27	10:00 am	1 hour	10	Optional Mathematics	Baneshwor	500.00	One-on-one	confirmed

Below the second booking, a message states: "This booking has been **confirmed**. Please contact the tutor for further information."

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Figure 25: Student Bookings Page

This page displays a user's booked tutoring sessions that shows details about each session, including the tutor's name, date, time, duration, grade level, subject, location, type, and status. The status indicates whether the session is pending, confirmed, or rejected. Students can view more details about the tutor by clicking on the tutor's name as shown below (Figure 26).

The screenshot shows the 'Your Bookings' page with a modal open for the first booking. The modal displays the tutor's profile and contact information.

Booking ID	Tutor Name	Date	Time	Duration	Grade	Subject	Location	Price Per Session	Type	Status
1	Ramesh Kumar Shah	2024-09-17	10:00 am	1hr 30min	9	Optional Mathematics	Jhamsikhel	500.00	One-on-one	pending

**Ramesh Kumar Shah**

**Email:** ramesh@gmail.com  
**Phone:** 9856273056  
**Description:** Dedicated tutor with expertise in Science and Mathematics.  
**Subjects:** Science and Mathematics  
**Address:** Lokanthali

Figure 26: Student Bookings Page - Tutor Details

## 5.21 Update Student Profile

**Update Profile**

Full Name:  
Shreshma Shrestha

Email:  
shreshmashrestha@gmail.com

Password (leave blank if unchanged):

Phone Number:  
9863604066

Grade Level:  
Select Grade

Primary Subject of Concern:

School:  
Shuvafara

Update

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Figure 27: Update Student Profile

This page allows students to update their profile information and modify their personal details such as name, email, password, phone number, grade level, primary subject of concern, and school.

## CHAPTER 6

### COMPARISON AND ANALYSIS

#### 6.1 Comparison with Similar Products

a) Comparison of TuteeNep with Smart Tuition Finder (Muhammad Saad, 2019)

	TuteeNep	Smart Tutor Finder
Recommendation Engine	Not implemented.	Yes, utilizes a recommendation engine.
Tutor Verification	Admins verify tutors' registration before profiles are visible to students	Not implemented.
Rating and Feedback System	Planned for future expansion.	No, focuses on secure payments and location-based search.
SDG Alignment	Focuses on quality education and societal goals.	Aligns with SDGs by promoting quality education.

*Table 1: Comparison of TuteeNep with Smart Tuition Finder*

Comparison of TuteeNep with Tutor Finder Mobile Application (Shukri, 2019)

	TuteeNep	Tutor Finder Mobile Application
Location-Based Search	Not implemented.	Yes, focuses on finding tutors around campus
Rating and Feedback System	Planned for future expansion.	Yes, includes a rating feature for students to rate tutors.
SDG Alignment	Focuses on quality education and societal goals.	Not explicitly mentioned.

*Table 2: Comparison of TuteeNep with Tutor Finder Mobile Application*



## 6.2 SWOT Analysis

SWOT analysis of TuteeNep:

### 6.2.1 Strengths

- a) Centralized Platform: TuteeNep provides a one-stop solution for students to find and connect with qualified tutors.
- b) Verified Tutors: All tutors on the platform are verified and qualified, enhancing credibility and reliability.
- c) User-Friendly Interface: The platform has a simple and easy-to-use interface for students and tutors.
- d) Personalized Learning: The platform supports personalized tutoring sessions tailored to individual student needs.
- e) Wide Range of Subjects: TuteeNep covers a broad spectrum of subjects for students from different educational backgrounds and levels.

### 6.2.2 Weaknesses

- a) Limited Initial Reach: TuteeNep may initially have a limited user base and reach.
- b) Dependence on Technology: The platform's effectiveness relies heavily on stable internet access and technology.
- c) User Adaptation: Some users may take time to adapt to an online tutoring environment.
- d) Quality Control: Ensuring consistent quality across all tutoring sessions can be challenging.

### 6.2.3 Opportunities

- a) Expanding Market: TuteeNep has significant growth potential in the expanding digital education market.
- b) Partnerships with Educational Institutions: The platform can partner with schools and colleges to provide supplementary tutoring services.
- c) Introduction of Advanced Features: TuteeNep can integrate advanced features to enhance the user experience.
- d) Targeting Underserved Regions: The platform can focus on reaching students in underserved regions.

#### 6.2.4 Threats

- a) Intense Competition: The online tutoring market is highly competitive.
- b) Changing Educational Policies: Changes in educational policies and regulations could impact the demand for tutoring services.
- c) Data Privacy Concerns: TuteeNep must ensure robust data protection measures to safeguard user information.

By conducting this SWOT analysis, we can gain knowledge about TuteeNep's strengths, weaknesses, opportunities, and threats, which will inform our strategies for future improvements and growth.

## CHAPTER 7

### DISCUSSION

In this section, we delve into the key findings and outcomes of the Tutor Finder System project. The discussion focuses on the evaluation of the system's design, usability, and effectiveness in meeting its goals.

#### 7.1 User Interface and Experience

TuteeNep was designed with a user-centric approach, focusing on delivering an intuitive and seamless interface for both students and tutors. The evaluation revealed that the platform's layout is visually appealing and easy to navigate, enhancing user engagement and satisfaction. Feedback from user testing indicated that students found it straightforward to search for and connect with tutors, while tutors appreciated the platform's clear and organized presentation of information.

#### 7.2 User Registration and Engagement

User registration on TuteeNep is straightforward, requiring minimal information to get started. This simplicity encourages more students and tutors to join the platform. However, initial findings suggest that adding gamification elements, such as badges or progress tracking, could enhance user motivation and engagement over the long term.

#### 7.3 System Performance and Efficiency

The system's performance was evaluated in terms of load times, reliability, and scalability. Overall, the platform demonstrated robust performance under various conditions, with quick response times and minimal downtime. The architecture supports a growing user base, which is crucial as more students and tutors are expected to join the platform. However, further optimization is needed to handle peak loads more effectively, particularly in regions with lower internet speeds. Future iterations of the platform should focus on refining the backend processes to ensure consistent performance across diverse environments.

## 7.4 Limitations and Future Improvements

While TuteeNep successfully meets its primary objectives, several limitations were identified that warrant attention in future updates. The absence of a mobile application limits accessibility for users who prefer learning on the go. Additionally, the platform could benefit from enhanced language support to cater to a more diverse audience. Future improvements will aim to integrate AI-driven features for more personalized learning experiences and expand the system's capabilities through partnerships with educational content providers. Addressing these limitations will be crucial for maintaining competitive advantage and broadening the platform's reach.

## 7.5 Achievement of Objectives

TuteeNep has successfully met its primary objectives, showcasing significant achievements in creating a streamlined and effective platform for students and tutors. By implementing a user-friendly interface, the system has facilitated easy navigation and enhanced user engagement, leading to a significant increase in user registration and active participation. The comprehensive administrative tools provided to manage tutor verification and session scheduling have greatly improved the efficiency and reliability of the platform, aligning well with the initial project goals. Through these achievements, it has not only addressed the challenges faced in the traditional tutoring landscape but has also set a new benchmark for personalized learning experiences. As a result, TuteeNep is well-positioned to expand its reach and impact, providing quality educational support to a wider audience.

## 7.6 Conclusion

The Tutor Finder System project has achieved significant milestones in creating an effective platform for connecting students with qualified tutors. By addressing the identified limitations and implementing technological advancements, the platform can continue to evolve and better meet the needs of its users. The project has laid a strong foundation for future growth and development, setting the stage for TuteeNep to become a leading solution in the educational technology sector.

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