

MentorConnect

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Submitted by

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Requirements for the Degree of**

MASTER OF COMPUTER APPLICATION

**Under the Supervision of
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Submitted to

**DEPARTMENT OF COMPUTER APPLICATIONS
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(2023-2024)

CERTIFICATE

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Abdul Kalam Technical University (AKTU) (formerly UPTU), Lucknow under my
supervision. The project report embodies original work, and studies are carried out by the
student himself/herself and the contents of the project report do not form the basis for the award
of any other degree to the candidate or to anybody else from this or any other
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ABSTRACT

In the realm of academia, effective mentorship plays a pivotal role in shaping the educational journey of students. MentorConnect emerges as a groundbreaking project, addressing the intricate dynamics of mentorship within the academic community. The cornerstone of MentorConnect lies in its meticulously crafted login system, catering to both mentors and mentees. Upon mentor login, the platform empowers mentors to curate their mentorship portfolio by adding students as mentees. This initiates a transformative process where mentors can actively engage with the academic and professional progress of their mentees, offering personalized insights and responses to queries.

Mentors wield a comprehensive toolkit within MentorConnect, encompassing the ability to provide remarks, schedule future mentoring sessions, and foster a collaborative learning environment. The platform goes beyond conventional mentorship models, introducing a dynamic feedback loop that enriches the mentor-mentee relationship. On the mentee side, the login provides a gateway to a wealth of information, showcasing their academic and professional journey. Through MentorConnect, mentees gain the ability to submit queries, creating a platform for proactive engagement with their mentors.

A distinctive feature of MentorConnect lies in its seamless integration of technology, enabling scheduled mentorship sessions through Google Meet. This not only transcends geographical constraints but also enhances the accessibility and effectiveness of mentorship interactions.

MentorConnect, at its core, seeks to redefine the mentorship paradigm by amalgamating technological innovation with educational guidance. The project is envisioned as more than just a platform; it is a catalyst for fostering meaningful connections, promoting academic growth, and cultivating a collaborative community within the academic landscape. MentorConnect stands poised to be a transformative force, revolutionizing the mentorship experience and contributing to the holistic development of students in the pursuit of knowledge.

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TABLE OF CONTENTS

Certificate	i
Abstract	ii
Acknowledgements	iii
Table of Contents	iv
List of Figures	v
1 Introduction	1-7
1.1 Overview	1
1.2 Objective	2
1.3 Technical foundations	3
1.4 Communication model	4
1.5 Data-driven mentorship	5
1.6 Project Requirement	7
1.7 Background	7
2 Feasibility Study	7-11
2.1 Economic Feasibility	8
2.2 Technical Feasibility	10
2.3 Operational Feasibility	11
3 System Requirements	12-16
3.1 Functional Requirement	12
3.2 Non-Functional Requirement	13
3.3 Design Goal	14
4 System analysis and design	17-25
4.1 System analysis	17
4.2 System Design	18
4.3 Database	20
5 System implementation and figures	26-56
6 Conclusion	54
7 Bibliography	55

List of Figures

Figure No.	Name of Figure	Page No.
3.1	Use Case Diagram	15
3.2	DFD Diagram	16
4.1	Mentor DB	20
4.2	Student DB	21
4.3	Counselling record DB	23
4.4	Mark DB	24
4.5	Request Response DB	25
5.1	Login Page	26
5.2	Mentor Registration Page	27
5.3	Mentor Dashboard	31
5.4	Add Mentee Details	33
5.5	Add Mentee	35
5.6	Add Marks	38
5.7	Add Parent Details	42
5.8	Profile Links	43
5.9	Mentees List	45
5.10	Message	46
5.11	Mentee Details	47
5.12	Mentee Dashboard	51

CHAPTER 1

INTRODUCTION

1.1 OVERVIEW

In the rapidly evolving landscape of education and professional development, the critical demand for personalized guidance and mentorship has reached unprecedented levels. Recognizing and responding to this imperative need, "MentorConnect" emerges as an innovative online mentorship platform. This visionary initiative is meticulously designed to transcend traditional mentorship models, creating a dynamic and interactive virtual environment where mentors and mentees can forge meaningful connections, fostering holistic growth and development.

MentorConnect serves as a groundbreaking nexus at the intersection of technology and mentorship philosophy. The platform redefines conventional mentorship by providing a tailored solution that adapts to the evolving needs of students and professionals. The core ethos centres around creating a collaborative and engaging virtual space, where mentor-mentee relationships extend beyond academic realms to encompass the broader spectrum of personal and professional development. Through a user-centric interface, MentorConnect offers features ranging from personalized mentorship matching algorithms to dynamic progress tracking tools, reshaping the essence of mentorship in the digital age.

Positioned as a trailblazer, MentorConnect responds to the nuanced needs of a diverse and globalized community of learners and professionals. This transformative ecosystem stands as a testament to the potential of online mentorship platforms, ushering in an era of personalized, adaptive, and impactful mentorship experiences. MentorConnect is not just a platform; it is a catalyst for educational and professional empowerment, poised to make a lasting impact on the trajectory of individuals' growth and success in an interconnected world.

1.2 OBJECTIVES

1.2.1 Facilitating Meaningful Connections:

MentorConnect serves as a vital bridge between seasoned mentors and eager mentees, fostering an environment where the exchange of valuable insights and knowledge thrives. By facilitating connections between individuals from diverse backgrounds and expertise levels, MentorConnect transcends conventional mentoring frameworks. It emphasizes the cultivation of genuine relationships grounded in trust and mutual learning, allowing mentees to benefit from mentors' wisdom and experiences.

Through MentorConnect, mentees gain access to a wealth of expertise, guidance, and support, empowering them to navigate their personal and professional journeys with confidence. The platform's focus on meaningful connections fosters a supportive community where mentorship transcends traditional boundaries, leading to transformative learning experiences for both mentors and mentees alike.

MentorConnect also provides tailored resources and tools to enhance the mentoring experience. This includes personalized matching algorithms that ensure compatibility between mentors and mentees, comprehensive training programs for mentors, and interactive forums for ongoing dialogue and knowledge sharing. Additionally, MentorConnect hosts regular webinars and workshops, featuring industry experts who offer insights into current trends and best practices.

By integrating technology with the human element of mentoring, MentorConnect creates an accessible and dynamic environment for growth. This approach not only benefits individuals but also contributes to the development of inclusive, forward-thinking communities. Overall, MentorConnect stands out as a pioneering platform dedicated to fostering impactful mentoring relationships that drive personal and professional growth.

1.2.2 Academic Performance Insight:

Mentors utilizing the MentorConnect platform benefit from comprehensive access to mentee data, encompassing academic performance, attendance records, and other pertinent metrics. This data-driven approach empowers mentors to provide personalized guidance tailored to the individual needs of each mentee. By analyzing academic performance metrics, mentors can identify areas where mentees excel and areas requiring additional support. Attendance records offer insights into mentees' commitment and engagement levels, enabling mentors to address any attendance-related challenges effectively. Additionally, other relevant metrics provide valuable context for mentors to understand mentees' strengths, weaknesses, and overall progress.

Leveraging this data, mentors can offer targeted support, resources, and advice, ultimately fostering mentees' academic success and personal growth. The data-driven approach of MentorConnect enhances mentoring effectiveness by enabling mentors to make informed decisions and provide tailored support that maximizes mentees' potential. This method ensures

that mentors can proactively address issues and celebrate achievements, creating a more dynamic and responsive mentoring relationship.

Furthermore, MentorConnect's platform includes tools for tracking mentee progress over time, allowing mentors to adjust their strategies as needed. Regular updates and feedback loops ensure that mentors stay informed about their mentees' evolving needs and challenges. By integrating these elements, MentorConnect not only supports the academic and personal growth of mentees but also empowers mentors to develop more effective and meaningful relationships with those they guide. The result is a robust mentoring ecosystem where data-driven insights lead to transformative learning experiences for both mentors and mentees.

1.2.3 Empowering Mentees:

MentorConnect empowers mentees by offering a platform where they can seek guidance, ask questions, and receive constructive feedback from their mentors. The platform fosters an open and collaborative environment, encouraging mentees to actively engage in their educational and professional development. Through MentorConnect, mentees gain access to a supportive community of mentors who are eager to share their knowledge and expertise. Mentees can leverage this platform to seek advice on academic challenges, career decisions, and personal development goals.

By facilitating mentorship interactions, MentorConnect equips mentees with valuable resources and support networks to navigate their journey toward success. The platform's interactive features enable mentees to schedule one-on-one meetings, participate in group discussions, and access a repository of educational materials and career guidance resources. This comprehensive support system helps mentees overcome obstacles and seize opportunities in their academic and professional lives.

Additionally, MentorConnect promotes self-advocacy and independence among mentees by encouraging them to set personal goals, track their progress, and reflect on their learning experiences. The platform's user-friendly interface and personalized recommendations ensure that mentees can easily find the information and support they need. Regular feedback from mentors helps mentees refine their strategies and build confidence in their abilities.

Ultimately, MentorConnect empowers mentees to take ownership of their learning and growth, enabling them to thrive in both academic and professional endeavors. By connecting with experienced mentors and accessing a wealth of knowledge, mentees are better prepared to make informed decisions, develop critical skills, and achieve their long-term goals. This holistic approach to mentoring transforms mentees into proactive, resilient, and successful individuals.

1.3 TECHNICAL FOUNDATIONS

MentorConnect is built on a robust computer network infrastructure, guaranteeing seamless communication between mentors and mentees. The platform adheres to critical network criteria such as high performance, reliability, and scalability, ensuring a dependable and scalable environment for mentorship interactions. With its robust infrastructure, MentorConnect facilitates efficient and uninterrupted communication channels, allowing mentors and mentees to connect, collaborate, and exchange knowledge seamlessly.

This commitment to network excellence ensures that users can rely on MentorConnect for consistent and effective mentorship experiences, enhancing the overall quality of engagement and support provided on the platform. The high-performance network supports real-time video conferencing, instant

messaging, and resource sharing, all of which are crucial for maintaining an interactive and dynamic mentoring environment. Furthermore, the platform's reliable infrastructure minimizes downtime and technical issues, providing a smooth and frustration-free user experience.

Scalability is another key feature of MentorConnect's infrastructure, allowing the platform to accommodate a growing number of users without compromising performance. As the community of mentors and mentees expands, the network can seamlessly handle increased traffic and data exchange, ensuring that all users continue to enjoy high-quality interactions. This scalability also supports the integration of new features and updates, keeping the platform innovative and responsive to user needs.

In addition to performance and scalability, MentorConnect prioritizes security and data privacy, implementing robust measures to protect user information and communications. Secure encryption protocols and regular network monitoring help safeguard against potential threats, ensuring that the mentoring process remains confidential and secure.

Overall, MentorConnect's advanced network infrastructure is foundational to its mission of providing a reliable, efficient, and secure platform for mentorship. By leveraging cutting-edge technology, MentorConnect enhances the mentoring experience, fostering meaningful connections and facilitating the seamless exchange of knowledge and support.

1.4 COMMUNICATION MODEL

MentorConnect employs a sophisticated communication model facilitating efficient data exchange between mentors and mentees across various devices such as computers, tablets, and smartphones. This approach ensures flexibility and accessibility for all users, allowing them to engage with the platform seamlessly regardless of their preferred device. Whether mentors and mentees are at their desks, on the go, or in remote locations, MentorConnect's communication model enables them to stay connected and collaborate effectively.

This adaptability enhances user experience, encouraging active participation and maximizing the potential for meaningful mentorship interaction. The platform's responsive design ensures that all features and functionalities are optimized for different screen sizes and operating systems, providing a consistent and user-friendly experience across devices. Mentors and mentees can easily switch between devices without losing access to their ongoing conversations, resources, and scheduled meetings, making it convenient to maintain continuous engagement.

The sophisticated communication model also includes real-time notifications and updates, ensuring that users are promptly informed about new messages, meeting reminders, and other important activities. This feature helps mentors and mentees stay organized and responsive, further enhancing the efficiency of their interactions.

Moreover, MentorConnect supports various communication methods, including instant messaging, video calls, and collaborative document sharing, catering to different preferences and needs. This multi-modal approach allows users to choose the most effective way to communicate based on the context and nature of their interaction.

By leveraging advanced technology, MentorConnect breaks down barriers to communication and fosters a dynamic and interactive mentoring environment. This model not only supports the technical

aspects of data exchange but also prioritizes user convenience and engagement, making it easier for mentors and mentees to build strong, supportive relationships.

Ultimately, MentorConnect's sophisticated communication model is central to its mission of providing accessible, flexible, and effective mentorship. By ensuring that users can connect and collaborate seamlessly across various devices, MentorConnect maximizes the impact of its mentoring programs, helping mentees achieve their personal and professional goals.

1.5 DATA-DRIVEN MENTORSHIP

Data communication lies at the heart of MentorConnect, facilitating the exchange of information between mentors and mentees. The platform categorizes data communication into two types:

1.5.1 Personalized Local Communication:

Within the same educational institution or geographical area, MentorConnect encourages face-to-face interactions, fostering a personalized mentorship experience. This emphasis on in-person meetings enhances the depth and quality of the mentor-mentee relationship, allowing for more nuanced and effective communication. By facilitating these direct interactions, MentorConnect helps build trust and rapport, which are crucial for a successful mentoring relationship.

Face-to-face meetings provide mentors and mentees the opportunity to engage more personally, offering a richer exchange of ideas and feedback. These interactions can occur through scheduled meetings, workshops, or informal gatherings organized by the platform. Such opportunities are especially beneficial in addressing complex issues or providing detailed guidance, which might be less effective through virtual communication alone.

Additionally, MentorConnect supports the coordination of these in-person meetings by offering tools to schedule and manage appointments, send reminders, and track meeting outcomes. This integrated approach ensures that both mentors and mentees can plan and prepare for their interactions effectively, maximizing the productivity of their time together.

Encouraging face-to-face interactions also fosters a sense of community within the institution or local area. It enables mentees to build a network of support among peers and mentors who share their environment and experiences. This local focus can be particularly valuable in providing context-specific advice and resources that are directly relevant to the mentees' immediate challenges and opportunities.

Moreover, the combination of face-to-face and digital interactions offered by MentorConnect creates a hybrid mentoring model that leverages the strengths of both approaches. While digital tools ensure accessibility and flexibility, in-person meetings enhance connection and engagement. This comprehensive strategy supports a holistic mentoring experience that can adapt to the preferences and needs of its users.

Ultimately, by promoting face-to-face interactions within the same educational institution or geographical area, MentorConnect enriches the mentoring experience, making it more personal, effective, and impactful. This approach helps mentees gain a deeper understanding and appreciation of the guidance they receive, empowering them to achieve their personal and professional aspirations.

1.5.2 Seamless Remote Communication:

For scenarios where mentors and mentees are separated by distance, MentorConnect ensures effective and timely remote communication. Key features of successful data communication, including accurate data delivery, timeliness, and precision, are central to the platform's design. MentorConnect integrates advanced communication technologies to facilitate real-time interactions, whether through video calls, instant messaging, or collaborative tools. This ensures that despite geographical barriers, mentors and mentees can maintain a high level of engagement and collaboration.

As this project unfolds in subsequent chapters, we explore the intricate details of MentorConnect architecture, functionalities, and user experience. The platform is built on a robust infrastructure designed to support seamless connectivity across various devices and networks. By employing sophisticated algorithms and data management practices, MentorConnect guarantees that users experience minimal latency and high reliability, making remote mentorship as effective as face-to-face interactions.

Future Exploration and Vision

MentorConnect envisions not only connecting mentors and mentees but also revolutionizing the mentorship landscape by leveraging cutting-edge technology and fostering a collaborative community dedicated to academic and professional excellence. The platform's future developments will delve deeper into enhancing user interaction through artificial intelligence, personalized learning pathways, and advanced analytics. These innovations aim to provide a more tailored mentorship experience, where the unique needs and goals of each mentee are met with precision and care.

In addition to technological advancements, MentorConnect will continue to focus on building a vibrant and supportive community. This involves creating spaces for group discussions, peer-to-peer support, and resource sharing, further enriching the mentorship experience. By fostering a culture of collaboration and continuous learning, MentorConnect aspires to empower individuals to achieve their fullest potential.

Through these efforts, MentorConnect aims to set new standards in the mentorship field, offering unparalleled support and guidance to students and professionals worldwide. By integrating the latest technological advancements with a deep understanding of mentorship dynamics, MentorConnect is poised to become a leading platform in the pursuit of academic and professional excellence.

1.6 PROJECT REQUIREMENTS

1.6.1 Hardware:

- Processor: Minimum 2.0GHz requires.
- Ram: 2 GB.
- Hard Disk: 100 GB.
- Input device: Standard Keyboard and Mouse.
- Output device: VGA and High, Resolution Monitor.

1.6.2 Software:

- Operating System: Windows 7
- Language: PHP, JAVASCRIPT
- Database: phpMyAdmin.
- Tool: Visual Studio, XAMPP.

1.7 BACKGROUND:

In the dynamic realm of education, MentorConnect emerges as a pioneering platform designed to revolutionize the traditional mentorship paradigm. As the educational landscape undergoes transformative shifts, MentorConnect acknowledges the need for an innovative approach to mentorship, transcending the conventional methods.

MentorConnect recognizes that the success of any educational platform lies in understanding and analysing user behaviour. In this context, the platform strives to provide a seamless and enriching experience for both mentors and mentees. The primary focus is on fostering meaningful connections within the college community, addressing the challenges students often face in navigating their academic journey.

Unlike traditional mentorship models, MentorConnect leverages technology to bridge the gap between mentors and mentees. Through a meticulously crafted online platform, MentorConnect facilitates mentor-mentee relationships, allowing for effective guidance, support, and the exchange of valuable insights. The platform's user-friendly interface empowers mentors to monitor and enhance their mentees' academic and professional progress.

The educational landscape is evolving, marked by the diversified and sophisticated demands of students in the era of globalization. MentorConnect acknowledges the pivotal role of students as key drivers in educational advancement. The platform aims to align with these changes, offering a dynamic solution to the evolving needs of students seeking mentorship and guidance.

In essence, MentorConnect represents a shift towards a more modern, accessible, and tailored approach to mentorship, fostering a community where knowledge, support, and collaboration flourish. The platform's commitment is to create an environment where mentorship transcends traditional boundaries, promoting student success in the fast-paced educational journey.

CHAPTER 2

FEASIBILITY STUDY

Feasibility is defined as the practical extent to which a project can be performed successfully. To evaluate feasibility, a feasibility study is performed, which determines whether the solution considered to accomplish the requirements is practical and workable in the software. Information such as resource availability, cost estimation for software development, benefits of the software to the organization after it is developed and cost to be incurred on its maintenance are considered during the feasibility study. The objective of the feasibility study is to establish the reasons for developing the software that is acceptable to users, adaptable to change and conformable to established standards.

2.1 Economic Feasibility:

Economic Feasibility means the cost of understanding project should less cost than the existing system. Electronic mailing system is economically feasible, because it reduces the expenses in the system.

Economic feasibility evaluates the financial viability of a proposed project or initiative. It entails analysing various factors such as costs, revenue projections, return on investment (ROI), and potential risks. By assessing these elements, stakeholders can determine whether the project is economically sound and worth pursuing. Economic feasibility studies help in making informed decisions, guiding resource allocation, and mitigating financial risks. They provide valuable insights into the project's profitability, sustainability, and long-term impact on the organization's financial health. Ultimately, economic feasibility serves as a crucial determinant in evaluating the feasibility and potential success of a project in the marketplace.

Economic feasibility involves study to establish the cost benefit analysis. Money spent on the system must be recorded in the form of benefit from the system. The benefits are of two types:

2.2.1 Tangible benefits:

- Saving man labour to do tedious tasks saves time.

2.2.2 Intangible benefits:

- Improves the quality of organization.

2.2 Technical Feasibility:

This study is carried out to check the technical feasibility, that is, the technical requirements of the system. Any system developed must not have a high demand on the available technical resources. This will lead to high demands being placed on the client. The developed system must have a modest requirement, as only minimal or null changes for the implementing this system.

The technical feasibility of MentorConnect is meticulously assessed to ensure a robust and scalable system that aligns with the project's objectives. The platform is designed with a focus on leveraging technology to provide a seamless and secure environment for mentor-mentee interactions. The implementation of regular data backups, disaster recovery plans, and a thoughtful technology stack contributes to the overall reliability and sustainability of MentorConnect. Cost analysis considerations further underscore the project's pragmatic approach to resource utilization and long-term viability. Key aspects of the technical feasibility study include:

Scalable and Secure Architecture: MentorConnect's technical framework is underpinned by a scalable architecture, ensuring it can handle a growing user base without compromising performance. The platform implements load balancing and performance optimization strategies to maintain responsiveness and efficiency even as user numbers increase.

Secure User Authentication and Data Transmission: Security is a paramount consideration in MentorConnect's technical design. The platform features a secure user authentication system, safeguarding user accounts. Data transmission is encrypted to protect sensitive information, prioritizing user privacy and data security.

Real-time Communication Integration: MentorConnect integrates seamlessly with communication tools like Google Meet, facilitating real-time interactions during scheduled mentorship sessions. This ensures a dynamic and interactive mentoring experience for both mentors and mentees.

Intuitive and Responsive User Interface: A user-friendly and responsive interface is at the forefront of MentorConnect's technical design. The platform prioritizes an intuitive layout that adapts to various devices and browsers, providing a consistent and accessible experience for all users.

Data Backup and Disaster Recovery: MentorConnect places emphasis on data integrity and continuity. Regular data backups and a comprehensive disaster recovery plan are implemented to safeguard against data loss and ensure the platform's reliability in unforeseen circumstances.

MentorConnect's technical feasibility study affirms its commitment to providing a secure, scalable, and user-friendly mentoring platform. The implementation of advanced technological features, coupled with strategic resource management, positions MentorConnect as a sustainable solution for effective mentor-mentee engagements in the educational landscape.

2.3 Operational Feasibility:

MentorConnect has undergone a comprehensive operational feasibility study to ensure its seamless integration into existing educational and professional landscapes. The platform's design philosophy prioritizes user acceptance through a user-friendly interface, efficient onboarding processes, and adaptability to diverse settings. With streamlined administrative workflows, including automated scheduling and centralized progress tracking, MentorConnect is positioned to enhance operational efficiency, saving time for both users and administrators. Its compatibility with widely used communication tools adds a practical layer, fostering effective collaboration and communication within the mentorship ecosystem.

User-Centric Design and Adaptability: MentorConnect's operational feasibility is anchored in its user-centric design, providing an intuitive interface that minimizes the learning curve for mentors and mentees. The platform's adaptability ensures it seamlessly integrates into various educational and professional settings, aligning with diverse operational needs. Whether deployed in academic institutions or corporate environments, MentorConnect is designed to complement existing processes, contributing to a positive user experience and facilitating smooth operational transitions.

Efficiency and Time Savings: The operational efficiency of MentorConnect is underscored by its streamlined administrative processes, optimizing tasks such as scheduling and progress tracking. By automating these workflows, MentorConnect reduces manual efforts, allowing stakeholders to focus more on meaningful mentorship interactions and less on administrative overhead. This emphasis on time savings enhances the practical value of MentorConnect, making it an asset in advancing academic and professional development within the operational contexts it serves.

Practical Value and Collaborative Communication: MentorConnect's operational feasibility extends to its practical value in fostering meaningful mentorship relationships. The platform's compatibility with widely used communication tools enhances collaborative communication between mentors and mentees. This seamless integration ensures effective interaction, contributing to MentorConnect's role as a practical and valuable solution for stakeholders seeking to elevate mentorship programs within their operational frameworks.

CHAPTER 3

SYSTEM REQUIREMENT

System requirements refer to the specifications and capabilities that a computer system, software application, or hardware device must meet or exceed to effectively perform its intended functions. These requirements are typically defined during the planning and design phase of a project and serve as guidelines for system development, deployment, and operation.

Functional and non-functional requirements are two essential types of specifications that define the features and characteristics of a system, such as an online mentorship web application.

3.1 Functional Requirements:

Functional requirements define the specific functionalities or features that a software system must provide to meet the needs of its users and fulfil its intended purpose. These requirements describe what the system should do in terms of inputs, processes, and outputs. Here's a more detailed explanation of functional requirements in the context of an online mentorship web application.

User Registration: MentorConnect should allow users, both mentors, and mentees, to create accounts with unique usernames and secure passwords. The registration process involves capturing necessary user information, validating input data, and securely storing user credentials in the system.

Profile Management: The system must support the creation and management of detailed profiles for both mentors and mentees. This includes capturing academic and professional details, personal information, and optional profile links (e.g., LinkedIn, GitHub) for mentees.

Academic and Professional Progress Tracking: Mentors should be able to track the academic and professional progress of their mentees. This involves features to input and view mentee's academic achievements, career milestones, and any other relevant progress.

Query Management: Mentees should be able to submit queries or questions to their mentors within the platform. Mentors can review, respond to queries, and provide guidance or feedback.

Scheduling Mentoring Sessions: The system should enable mentors to schedule mentoring sessions with their mentees. This includes features for selecting session times, sending session invitations, and receiving mentee responses.

User Authentication and Security: Users, both mentors, and mentees, should be able to log in securely, access their accounts, and log out when needed. The system should implement robust user authentication, session management, and password security measures to protect against unauthorized access.

3.2 Non-Functional Requirement:

Non-functional requirements, also known as quality attributes or system attributes, define the attributes or characteristics of a software system that are not directly related to its functionality but are crucial for ensuring its overall quality, performance, and user experience. Let's delve deeper into each non-functional requirement for an online mentorship web application and add some related content.

Performance: MentorConnect must exhibit optimal response times for user actions, such as loading user profiles, accessing mentoring sessions, and submitting queries. Performance testing will validate the system's responsiveness under various conditions to meet expectations during peak usage.

Scalability: Scalability in MentorConnect ensures the system can handle increased user activity and data growth as the user base expands. The platform should scale horizontally or vertically to accommodate additional mentors, mentees, and mentoring sessions without compromising performance.

Reliability: Reliability guarantees consistent and predictable operation of MentorConnect with minimal downtime. The platform should implement fault-tolerant mechanisms, redundant infrastructure, and automated failover processes to ensure continuous availability and quick recovery from potential failures.

Security: Security is a priority for MentorConnect to protect user data, including personal and academic information. This involves implementing encryption, robust access controls, authentication mechanisms, and secure communication protocols to safeguard sensitive information.

Usability: Usability in MentorConnect focuses on creating an intuitive and user-friendly interface for both mentors and mentees. Usability testing will identify areas for improvement in terms of layout, navigation flow, accessibility features, and responsiveness across different devices.

User Authentication: User authentication ensures that only authorized users can access MentorConnect and its features. This involves implementing strong password policies, multi-factor authentication, session management, and secure logout mechanisms to protect user accounts from unauthorized access.

Compatibility: MentorConnect should be compatible with various web browsers, operating systems, and devices to ensure a consistent user experience across different platforms.

Maintainability: The system should be designed and developed in a modular and well-structured manner, facilitating easy maintenance, updates, and extensions over time.

3.3 Design Goal:

Our design goal for MentorConnect is to craft a seamless and user-centric mentoring experience. Emphasizing simplicity and functionality, we aspire to create an intuitive platform that enhances user engagement and satisfaction. Streamlined navigation takes precedence, ensuring mentors and mentees can effortlessly navigate through profiles, mentoring sessions, and communication features. The design will prioritize an enriched mentoring discovery process through visually appealing displays, personalized recommendations, and a well-organized profile and session catalogue.

Our aim is to capture users' interest and facilitate informed decision-making in the mentoring journey. The process of connecting mentors and mentees will be frictionless, emphasizing clarity, user-friendly interfaces, and transparent communication. Ensuring a responsive interface across devices is pivotal, guaranteeing a consistent and enjoyable experience for users accessing MentorConnect on various platforms.

Performance optimization, encompassing swift loading times and efficient interactions, is integral to sustaining user engagement throughout the mentoring relationship. Aesthetic considerations will contribute to the overall user experience, employing visually pleasing design elements that align with MentorConnect's brand identity. In conclusion, our design goal is to amalgamate functionality and aesthetics, creating a mentoring platform that not only meets user needs but also exceeds expectations, fostering satisfaction, trust, and long-term loyalty among mentors and mentees.

Use Case Diagram:

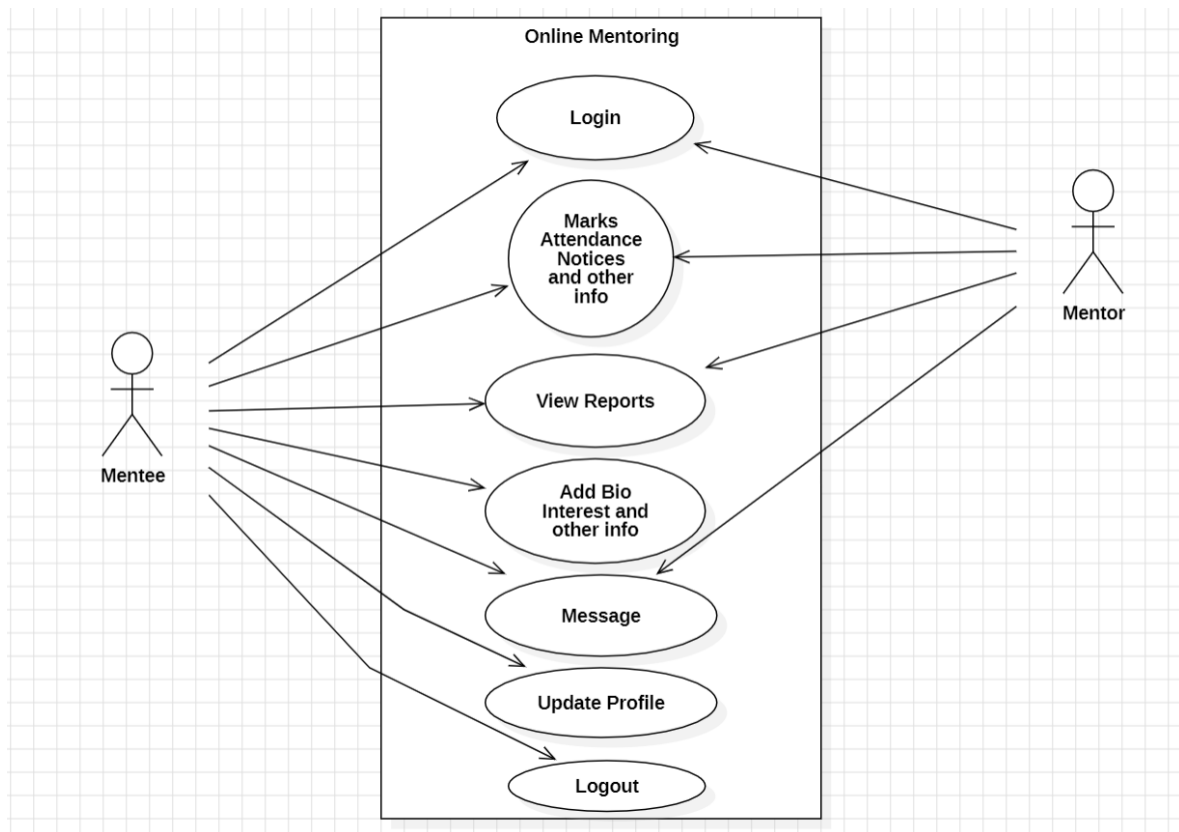


Fig:3.1 Use Case Diagram

DFD Diagram of Project:

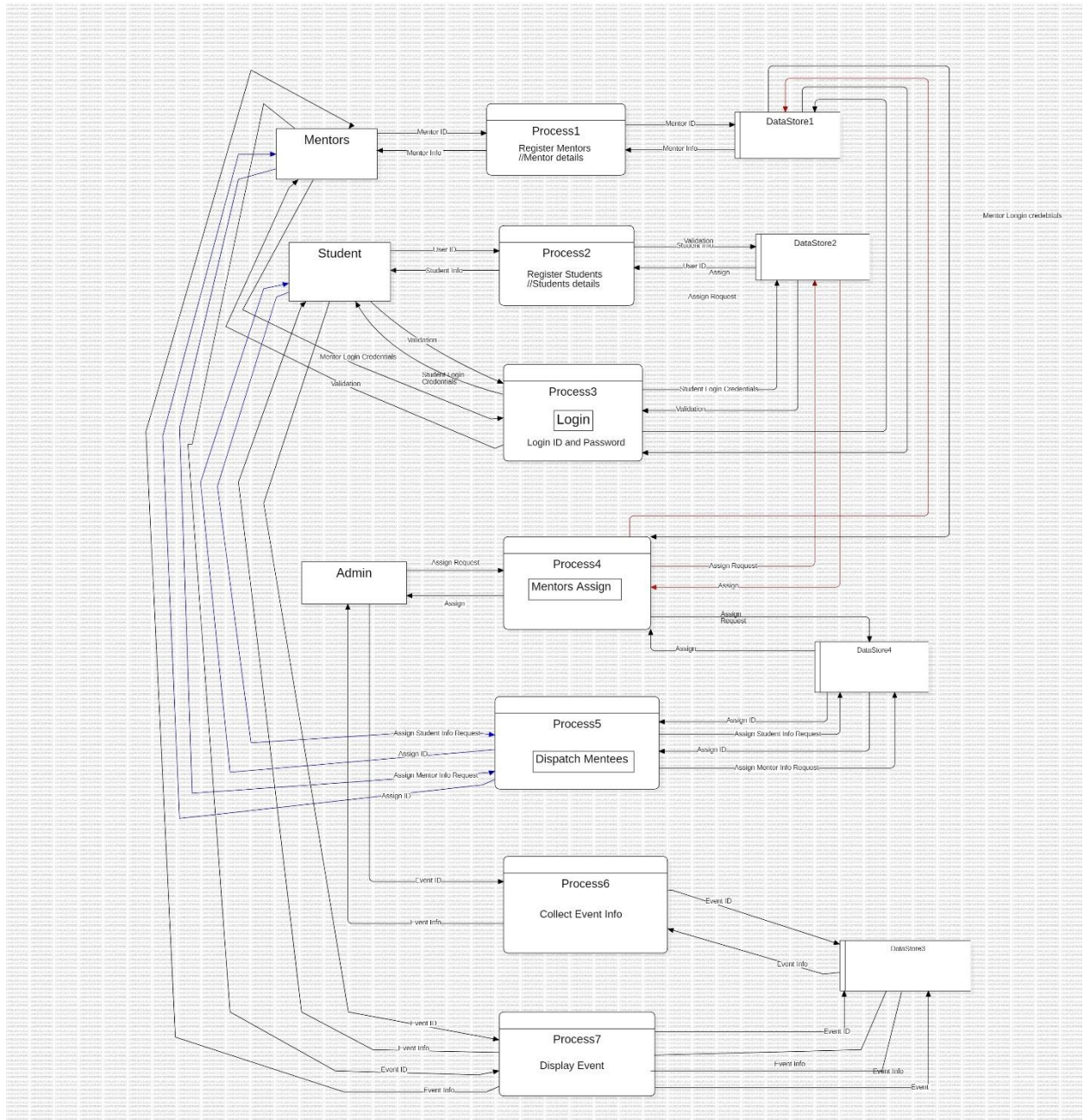


Fig:3.2 DFD Diagram of Project

CHAPTER 4

SYSTEM ANALYSIS AND DESIGN

4.1 System Analysis

Embarking on the construction of MentorConnect, a robust distributed client-server computing model has been meticulously laid as the bedrock. Stringent specifications guide the normalization process up to the revered third normal form (3NF), systematically addressing potential anomalies inherent in database transactions undertaken by both general users and organizational administration. The user interfaces, thoughtfully tailored to be browser-specific, ensure a broad and inclusive accessibility spectrum across the entire system.

Database Infrastructure and Connectivity:

Central to MentorConnect's operations is the internal database infrastructure anchored by the SQL Server. Employing strategic constructs such as table spaces, clusters, and indexes, the system aims to elevate data storage consistency and reliability to the highest standards. The utilization of the latest "SQL Connection" technology from Microsoft Corporation ensures seamless connectivity, and stringent authentication and authorization mechanisms are implemented at each stage to fortify system security.

Front-End Development Validation:

The front-end development landscape of MentorConnect is shaped by the robust pairing of HTML and CSS. Here, the focus is keenly directed towards maintaining data consistency through meticulous business rule validations. This ensures that the user interfaces not only meet the aesthetic standards but also adhere rigorously to business rules, contributing to a seamless and reliable user experience.

Through this comprehensive system analysis, MentorConnect sets forth to establish a technological framework that not only prioritizes security and reliability but also endeavours to provide users with an accessible, consistent, and user-friendly platform for educational mentorship.

4.2 System Design

Delving into the intricate dynamics of mentorship within the academic realm, MentorConnect's system design emerges as a comprehensive and dynamic virtual environment. Analogous to the nuanced operational structure in the seized property Biddings example, MentorConnect functions as a sophisticated platform connecting mentors and mentees. The mentor-mentee relationship mirrors the buyer-seller dynamics, with mentors providing guidance akin to the buyer's journey. The platform serves as the institutional hub, resembling the Collection Authority, featuring tailored dashboards and interfaces. Just as debtors open accounts, mentors add students as mentees, initiating a collaborative academic journey.

The platform seamlessly integrates academic and professional progress tracking, query resolution, and the scheduling of mentorship sessions. The technological integration, including virtual sessions through Google Meet, parallels the procedural use of an Item Profiler, creating standardized user profiles to foster a dynamic and collaborative mentorship environment. Within the MentorConnect ecosystem, the page layout incorporates digital representations and textual details, elevating the mentorship experience to a comprehensive and reliable academic journey.

Primary Design Phase:

In the primary design phase of MentorConnect, the emphasis is on creating a robust and structured system that aligns with the conceptual requirements identified during the analysis phase.

Block-Level Design: The system is conceptualized at a high level, defining the overall structure by breaking it down into functional blocks. Each block represents a specific module, addressing distinct aspects such as mentor-mentee interaction, academic progress tracking, and session scheduling.

Functionality Mapping: Based on the analysis, blocks are created, mapping identified requirements to functional components. Each block serves a specific purpose within the MentorConnect system, fostering modularity and maintainability.

Minimizing Information Flow: The design prioritizes minimizing information flow between blocks to enhance modularity. Activities requiring close interaction are grouped together, ensuring efficient encapsulation and maintainability.

High-Level Design Documentation: Comprehensive documentation captures high-level design decisions, block diagrams, data flow diagrams, and other architectural elements. These documents serve as a reference throughout the software development lifecycle.

Secondary Design Phase:

The secondary design phase delves deeper into individual blocks identified during the primary design phase.

Detailed Design: The focus shifts to the detailed design of each block, defining internal structure, interfaces, algorithms, data structures, and implementation details. This phase lays the groundwork for efficient functionality within each module.

Refinement and Optimization: Further refinement and optimization of the system architecture occur during this phase. Design decisions consider trade-offs between factors like performance, scalability, flexibility, and maintainability.

Interface Design: Special attention is given to designing clear and well-defined interfaces between different modules, specifying input parameters, output formats, error handling mechanisms, and communication protocols.

Design Review and Validation: Rigorous design reviews involve stakeholders to ensure alignment with project objectives. Feedback is incorporated, validating design decisions and addressing concerns to enhance the overall system design.

User Interface (UI) Design for MentorConnect:

User Interface (UI) design for MentorConnect is a comprehensive process focusing on creating an intuitive, visually appealing, and user-friendly environment.

Visual Design: The overall look and feel of MentorConnect's interface are meticulously crafted, incorporating colour schemes, typography, icons, and graphical elements. The aesthetic appeal is balanced with clarity and readability to shape positive user perceptions.

Layout and Organization: UI designers organize interface elements logically, guiding users through the interaction process. Screens, navigation menus, buttons, and forms are strategically laid out for intuitive navigation and quick access to information.

Information Architecture: Information within MentorConnect's interface is structured for easy accessibility. This involves categorizing information, creating hierarchies, and defining navigation pathways to facilitate efficient user interaction.

Interaction Design: Detailed attention is given to defining how users interact with the interface, designing interactive elements and user flows that ensure seamless and intuitive interactions, minimizing cognitive load for users.

Usability and Accessibility: MentorConnect's UI adheres to core principles of usability and accessibility. Design considerations include providing alternative text for images, keyboard shortcuts, screen reader optimization, and compliance with accessibility standards such as WCAG.

Responsive Design: In response to diverse devices and screen sizes, MentorConnect prioritizes responsive design principles, ensuring a consistent user experience across desktop, tablet, and mobile devices.

Feedback and Error Handling: The UI incorporates feedback mechanisms and error handling strategies to provide clear guidance throughout interactions. Success messages, error alerts, and confirmation prompts keep users informed.

User Testing and Iteration: UI design is an iterative process, gathering feedback through usability testing and user interviews. Designers use this feedback to refine and optimize the interface, addressing usability issues and optimizing the user experience over time.

The meticulous design of MentorConnect's system and user interface ensures a robust foundation for effective mentor-mentee interactions, academic progress tracking, and seamless usability, ultimately meeting the expectations of both users and stakeholders in the educational landscape.

4.3 Database:

The data in the system must be stored and retrieved from the database. Designing the database is part of system design. Data elements and data structures to be stored have been identified at analysis stage. They are structured and put together to design the data storage and retrieval system.

A database is a collection of interrelated data stored with minimum redundancy to serve many users quickly and efficiently. The general objective is to make database access easy, quick, inexpensive, and flexible for the user. Relationships are established between the data items and unnecessary data items are removed. Normalization is done to get an internal consistency of data and to have minimum redundancy and maximum stability. This ensures minimizing data storage required, minimizing chances of data inconsistencies, and optimizing for updates. This theoretical representation of the data is called an ontology.

Database Tables

Mentor DB:

<div><div></div><div></div></div>		mentor_id	username	password	name	contact	experience	area	image	student_count
<input type="checkbox"/>	<div><div>Edit</div><div>Copy</div><div>Delete</div></div>	3	Neelam@mentor.com	1234	Neelam Rawat	7864567876	12	Computer Applications	neelam.jpg	20
<input type="checkbox"/>	<div><div>Edit</div><div>Copy</div><div>Delete</div></div>	5	Abhi@mentor.com	abhi	Ahishek	7863898763	27	DSA	prashant.jpg	21
<input type="checkbox"/>	<div><div>Edit</div><div>Copy</div><div>Delete</div></div>	7	Prashant@mentor.com	1234	Prashant Agarwal	7864567876	20	DSA	prashant.jpeg	5
<input type="checkbox"/>	<div><div>Edit</div><div>Copy</div><div>Delete</div></div>	9	Ankitverma@mentor.com	1234	Ankit Verma	273472394873	10	web tech	ankitverma.jpg	5

☐ Check all

With selected:

Edit

Copy

Delete

Export

☐ Show all

Number of rows:

25

Filter rows:

Search this table

Sort by key:

None

Fig:4.1 Mentor DB

Mentor Database Overview

The Mentor Database is a comprehensive repository where all information related to mentors is securely stored and managed. This database is designed to ensure that mentors' details are readily accessible and organized efficiently, facilitating smooth operations within the MentorConnect platform.

Key Features of the Mentor Database:

User ID and Password:

Each mentor is assigned a unique user ID and password to ensure secure access to the platform. This authentication process protects sensitive information and maintains the privacy of the mentors' profiles.

Personal Information:

The database stores personal details of each mentor, including their full name, contact information (such as phone number and email address), and a profile image. This information helps in easy identification and communication within the platform.

Professional Experience:

Information about each mentor's professional background and experience is recorded. This includes their areas of expertise, years of experience, and any relevant qualifications or certifications. This data helps match mentors with mentees who can benefit most from their guidance.

Areas of Expertise:

Mentors can specify their areas of expertise, which is crucial for aligning them with mentees who have specific needs or interests. This ensures that mentees receive the most relevant and beneficial mentorship.

List of Mentees:

The database maintains a detailed list of each mentor's mentees, including their unique IDs, names, sections, and other relevant information. This allows mentors to quickly access and manage their mentee cohort, keeping track of their progress and interactions.

Profile Image:

Mentors can upload a profile image, which is stored in the database. This helps personalize the mentor profiles and makes it easier for mentees to recognize and connect with their mentors.

Student DB:



	id	name	section	contact	department	attendance	mentor_id	password	roll_no	univ_no	image
<input type="checkbox"/>						0			0		
<input type="checkbox"/>	2224MCA1000	Aastha Gupta	A	8767897654	MCA	89	Neelam@mentor.com	astha	1	2200290140001	NULL
<input type="checkbox"/>	2224MCA1061	Abhishek Pandey	A	9839679736	MCA	76	Neelam@mentor.com	abhishek	8	2200290140010	NULL
<input type="checkbox"/>	2224MCA1063	Aditya Sharma	a	7895367511	MCA	89	Neelam@mentor.com	KIRT	10	2200290140012	NULL
<input type="checkbox"/>	2224MCA1095	Ekansh	A	8976786545	MCA	85	Neelam@mentor.com	ekansh	20	2200290140059	NULL
<input type="checkbox"/>	2224MCA1106	Akarsh	A	8767854345	MCA	78	Prashant@mentor.com	akarsh	NULL	NULL	NULL

Fig:4.2 Student DB

Student Database Overview

The Student Database is a crucial component of the MentorConnect platform, where all relevant information about students is securely stored and managed. This database ensures that student details are well-organized and easily accessible, facilitating efficient monitoring and mentorship.

Key Features of the Student Database:

User ID and Password:

Each student is assigned a unique user ID and password to ensure secure access to the platform. This authentication process helps protect sensitive information and maintain the privacy of student profiles.

Personal Information:

The database stores personal details of each student, including their full name, contact information (such as phone number and email address), and a profile image. This information aids in easy identification and communication within the platform.

Academic Section:

Information about the academic section of each student is recorded, helping mentors and administrators categorize students effectively. This includes details such as the year of study and class section.

Department:

Each student's academic department is stored in the database, providing context about their field of study and helping in the organization of department-specific activities and mentorship programs.

Attendance Records:

The database maintains attendance records for each student, tracking their presence and participation in classes. This information is essential for monitoring academic engagement and performance.

Mentor ID:

Each student is linked to a specific mentor through a unique mentor ID. This association helps in managing mentorship assignments and ensures that each student receives guidance from their designated mentor.

Roll Number:

The roll number, a unique identifier assigned to each student, is stored in the database. This number is often used for administrative purposes and is crucial for official records.

Profile Image:

Students can upload a profile image, which is stored in the database. This feature helps personalize student profiles and makes it easier for mentors and peers to recognize and connect with them.

Counselling records DB:

id	counseling_date	counseling_remark	counseling_suggestion	achievement_document	upcoming_date
2224MCA1000	2023-11-30	bdsss	sbs	uploads/Abhishek Resume2.pdf	0000-00-00
2224MCA1000	2023-11-27	adfs	axsx	uploads/Abhishek Resume2.pdf	2023-11-28
2224MCA1106	2023-11-27	akash	akarsh	uploads/Abhishek Resume2.pdf	2023-12-01
2224MCA1095	2023-11-29	swsdb	sdsdsws	uploads/2_Notes_POM_Unit_2_Planning[1].pdf	2023-12-29
2224MCA1061	2023-12-05	Very good	Be on time	uploads/Abhishek Pandey.pdf	2023-12-08

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Fig:4.3 Counselling records DB

Counselling Records Database Overview

The Counselling Records Database is an essential part of the MentorConnect platform, designed to store and manage all counselling-related information for students. This database ensures that counselling sessions are well-documented, easily accessible, and effectively managed to support students' personal and academic development.

Key Features of the Counselling Records Database:

Counselling Date:

The database records the date of each counselling session. This helps in maintaining a timeline of interactions and ensuring that sessions are scheduled and conducted at appropriate intervals.

Counselling Remark:

Each counselling session includes detailed remarks that document the discussion points, observations, and key takeaways. This information provides a comprehensive overview of each session's content and progress.

Counselling Suggestions:

The database stores any suggestions or recommendations provided during the counselling session. These suggestions can include academic advice, personal development tips, or strategies to address specific challenges faced by the student.

Upcoming Counselling:

Information about upcoming counselling sessions is recorded, including scheduled dates and times. This helps in managing appointments and ensuring that students are aware of their next session, promoting consistent engagement with the counselling process.

Marks DB:















				id	ct1_marks	ct2_marks	pue_marks
<input type="checkbox"/>				2224MCA1000	43	45	76
<input type="checkbox"/>				2224MCA1010	76	78	98
<input type="checkbox"/>				2224MCA1095	89	78	75
	<input type="checkbox"/>	Check all	With selected:				
<input type="checkbox"/>	Show all	Number of rows:	25	Filter rows:	Search this table	Sort by key:	None

Fig:4.4 Marks DB

Marks Database Overview

The Marks Database within the MentorConnect platform serves as a repository for storing students' semester-wise academic performance. This database focuses primarily on recording students' marks or grades for individual subjects or courses per semester, along with their corresponding student IDs for identification purposes.

Key Features of the Marks Database:

Student ID:

Each student is assigned a unique identification number within the database, facilitating the association of marks with specific students. This ensures accurate tracking of individual academic progress.

Semester Marks:

The primary function of the Marks Database is to record the marks or grades obtained by students for each subject or course in a given semester. These marks may include scores for assignments, quizzes, exams, projects, or any other evaluative components as per the academic curriculum.

Request Response DB:

id	request	response	mentor_id
2224MCA1000	Hii Astha	NULL	Neelam@mentor.com
2224MCA1095	hii What is the procedure of submitting fine	NULL	Neelam@mentor.com
2224MCA1000		hii	Neelam@mentor.com
2224MCA1095	hello	NULL	Neelam@mentor.com
2224MCA1061	hii mam	NULL	Neelam@mentor.com
2224MCA1061		Hii Abhi	Neelam@mentor.com
2224MCA1061	hii mam	NULL	Neelam@mentor.com

Fig:4.5 Request Response DB

Request Response Database Overview

The Request Response Database is an integral part of the MentorConnect platform, designed to manage and track communication between mentors and mentees. This database facilitates the exchange of queries, requests, and responses, ensuring seamless interaction and support within the mentoring program.

Key Features of the Request Response Database:

Mentor and Mentee IDs:

Each mentor and mentee is assigned a unique identification number within the database, enabling the association of queries and responses with specific individuals. This ensures accurate tracking and management of communication between mentors and mentees.

Queries:

The database stores queries or requests submitted by mentees to their mentors. These queries may relate to academic concerns, personal challenges, career guidance, or any other topics relevant to the mentorship relationship.

Responses:

Corresponding responses provided by mentors to mentees' queries are recorded in the database. These responses may include advice, recommendations, resources, or action plans to address the mentees' concerns and support their development.

CHAPTER 5

SYSTEM IMPLEMENTATION AND FIGURES

Login Page:

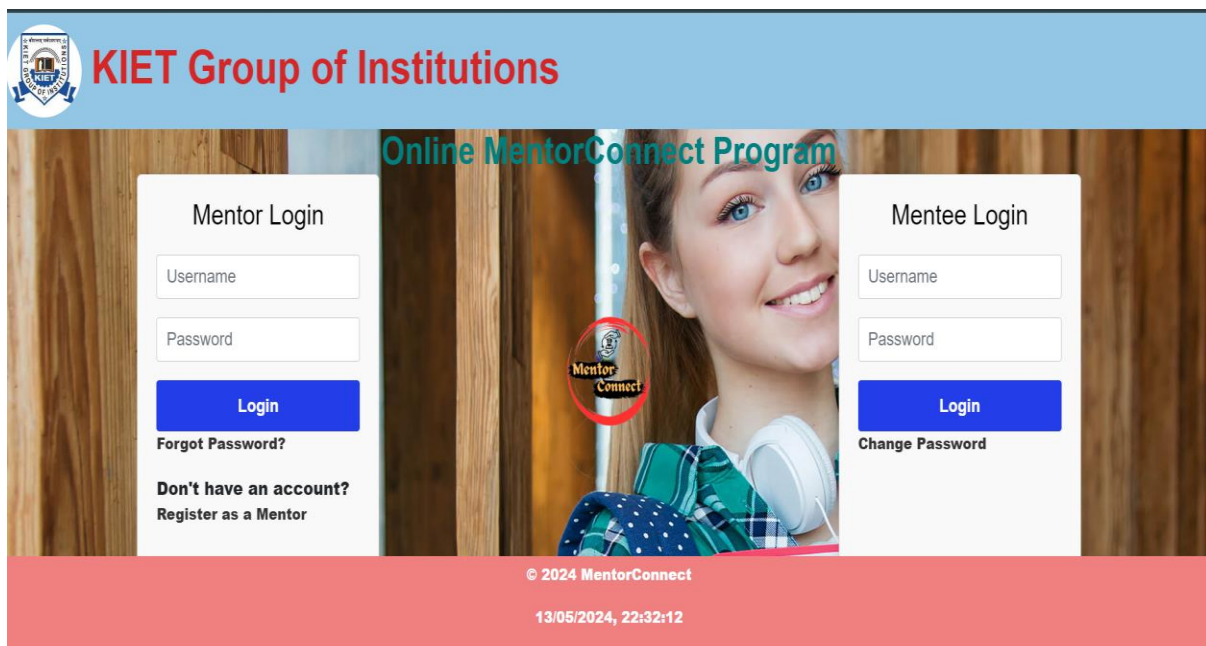


Fig:5.1 Login page

Introduction

- Brief overview of the importance of user authentication and personalized dashboards in web applications.
- Importance of providing a seamless and secure login experience.

Login Process

- Illustration of the login interface with fields for username and password.
- Explanation of the authentication process and how credentials are verified.
- Demonstration of the "Login" button and its functionality.

Forgot Password Feature

- Description of the "Forgot Password" link available on the login page.
- Step-by-step guide on how users can initiate the password recovery process.
- Explanation of security measures implemented during password reset, such as email.

Mentor Registration

- Introduction to the "Register as a Mentor" link on the login page.
- Overview of the mentor registration form and required fields.
- Highlight of any additional steps or verification processes for mentor registration.

Dashboard Overview

- Introduction to the dashboard interface upon successful login.
- Display of user details such as name, profile image, and relevant information.
- Explanation of how the dashboard provides personalized insights and functionalities for mentors and mentees.

User Profile Details

- Detailed breakdown of the user profile section on the dashboard.
- Explanation of each element, including name, profile image, and other relevant information.
- Importance of keeping user profiles updated for better user experience.

Additional Dashboard Features

- Overview of additional features available on the dashboard, such as messaging functionalities, access to educational resources, and progress tracking tools.
- Importance of these features in enhancing mentor-mentee communication and academic progress.

Dashboard Customization Options

- Explanation of how users can customize their dashboard preferences.
- Demonstration of settings options for layout, notifications, and privacy preferences.
- Importance of providing flexibility for users to tailor their dashboard according to their needs.

Conclusion

- Emphasis on the importance of user authentication, password recovery, and personalized dashboards for enhancing user experience.
- Closing remarks and invitation for questions.

Q&A

- Open for questions and discussion.
Ensure to use visuals, screenshots, and diagrams to illustrate each step of the login process, password recovery, registration, and dashboard features. Additionally, maintain consistency in design and formatting throughout the presentation to ensure clarity and professionalism.

Mentor Registration Page:



The image shows a web form titled "Mentor Registration". It contains several input fields, each preceded by a label: "Username:", "Password:", "Name:", "Contact:", "Experience:", "Area:", and "Image URL:". Each label is followed by a rectangular text input box. The form is simple and clean, with no additional styling or validation messages visible.

Fig:5.2 Mentor Registration Page

Username Field:

- The username serves as a unique identifier for mentors within the MentorConnect platform. It's crucial for mentors to choose a username that reflects their identity and is easy to remember. Additionally, the username should be distinct enough to prevent confusion with other users on the platform. Suggestions for usernames may include variations of the mentor's name or a combination of their name and initials.
- Validations should ensure that the chosen username is unique across the platform and meets any specified criteria for length or format. For instance, the username may need to be a minimum of 6 characters long and may not contain special characters or spaces.

Password Field:

- The password is a critical component of account security. Mentors are prompted to create a strong and secure password to protect their account from unauthorized access. It's essential to communicate password strength requirements clearly, including the use of a combination of uppercase and lowercase letters, numbers, and special characters.
- Passwords should not be displayed in plain text for security reasons. Instead, they should be masked to prevent unauthorized viewing. Additionally, passwords should be securely hashed before storage in the database to protect against data breaches and ensure user privacy.

Name Field:

- The full name input field requires mentors to enter their complete name as it appears in official documents. Providing the full name helps maintain professionalism.
- authenticity within the mentoring community. Mentors should be encouraged to enter their legal name to prevent confusion and ensure accurate identification.
- It's important to emphasize the significance of using real names to establish trust and credibility among mentors and mentees. Authenticity in profile information enhances the overall user experience and fosters meaningful connections between users.

Contact Field:

- The contact number input field allows mentors to provide their preferred contact number for communication purposes. Contact information is essential for facilitating interactions between mentors and mentees, such as scheduling mentoring sessions or exchanging important updates.
- Validations should ensure that the entered contact number follows the specified format and is accurate. For example, mentors may be required to enter their phone number in a specific format, including country codes and area numbers, to ensure compatibility with communication systems.

Experience Field:

- The experience input field prompts mentors to specify the number of years of professional experience they possess in their respective fields. This information helps match mentors with mentees seeking guidance based on their level of expertise and experience.
- Depending on the platform's design, the experience field can be presented as either a numeric input field where mentors enter the exact number of years of experience or a dropdown menu with predefined experience ranges (e.g., 1-5 years, 5-10 years, 10+ years).

Area Field:

- The area of expertise input field allows mentors to specify their specialized fields or subjects of expertise. Mentors may input keywords or select options from a predefined list to describe their areas of proficiency.
- Providing this information enables effective matching between mentors and mentees based on their respective areas of interest and expertise. Mentors should be encouraged to be specific and comprehensive in listing their areas of expertise to facilitate accurate matchmaking.

Image URL Field:

- While optional, the image URL field allows mentors to personalize their profile by providing a URL linking to their professional profile image. This image will be displayed alongside their profile information on the MentorConnect platform.

- Mentors may choose to use a professional headshot or a relevant image that reflects their expertise or interests. Providing a profile image enhances visibility and
- recognition within the mentoring community and helps mentees identify and connect with mentors more easily.

Additional Considerations:

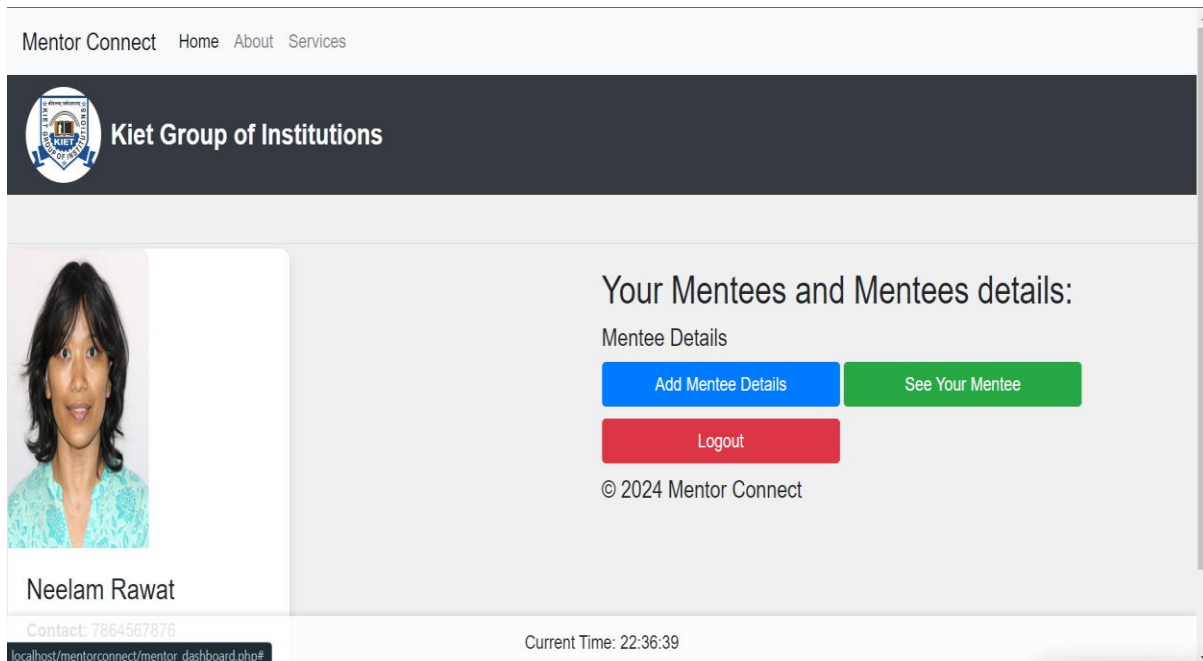
- Validation checks for each input field should be implemented to ensure data accuracy and integrity. Common validation checks include checking for required fields, validating email addresses and phone numbers, and enforcing password strength requirements.
- Clear and informative error messages should be displayed to guide mentors in case of incorrect or incomplete input. Error messages should clearly indicate the nature of the error and provide guidance on how to correct it.
- The registration form should include a prominent "Submit" button that mentors can click to complete the registration process. The button should be visually distinct and easily accessible to ensure a seamless user experience.
- Designing the registration page with a user-friendly interface, intuitive layout, and accessibility features is essential for enhancing the overall user experience. The registration form should be easy to navigate, with clear labels, instructions, and guidance to assist mentors throughout the registration process. Additionally, the form should be mobile-responsive to accommodate users accessing the platform from various devices and screen sizes.

By expanding on each input field and considering additional factors such as validation, error handling, and user experience, mentors can be guided through the registration process effectively, resulting in accurate and complete profile information on the MentorConnect platform.

Additional considerations:


- Validation: Implement validation checks for each field (e.g., ensuring the phone number is in the correct format, password strength requirements).
- Submit Button: A button labelled "Login" to submit the form.
- Error Handling: Display clear error messages if the user enters information incorrectly.
- Remember to design the registration page with a user-friendly interface to enhance the overall user experience.


Mentor Dashboard:



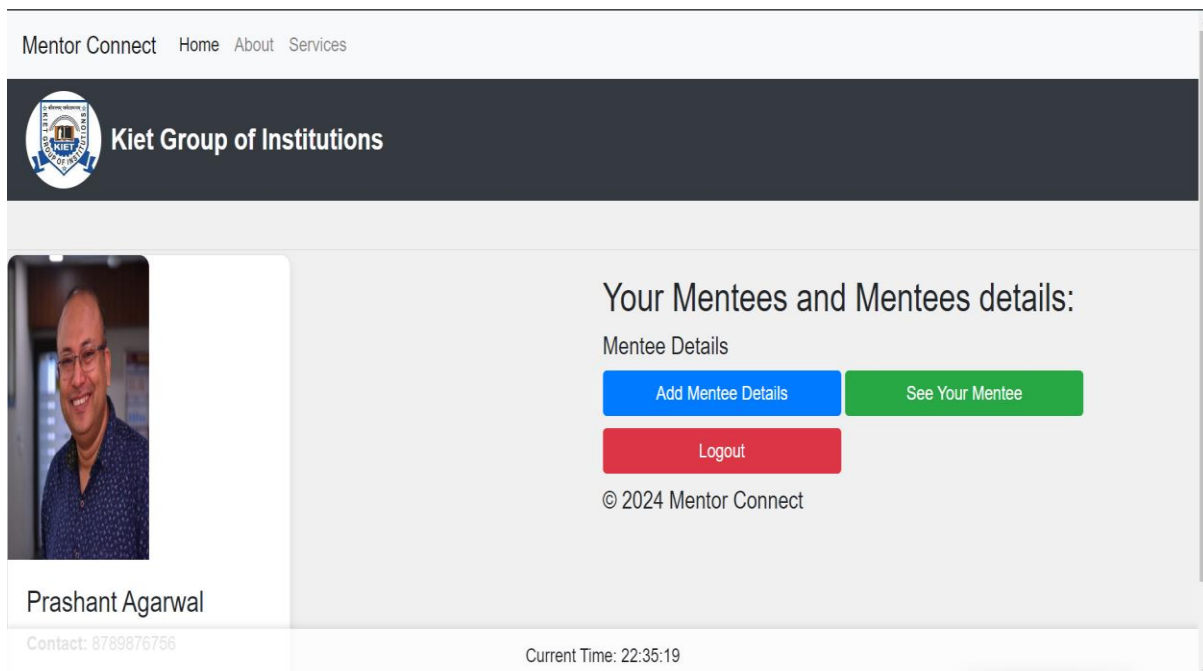
The screenshot shows the Mentor Dashboard for Neelam Rawat. The top navigation bar includes 'Mentor Connect', 'Home', 'About', and 'Services'. The header features the Kiet Group of Institutions logo and name. The main content area displays a profile picture of Neelam Rawat, her name, and contact information (7864567876). To the right, under the heading 'Your Mentees and Mentees details:', there is a section for 'Mentee Details' with three buttons: 'Add Mentee Details' (blue), 'See Your Mentee' (green), and 'Logout' (red). The footer shows the current time as 22:36:39 and the URL 'localhost/mentorconnect/mentor_dashboard.php#'. The copyright notice is '© 2024 Mentor Connect'.

Mentor Connect Home About Services

 Kiet Group of Institutions



Neelam Rawat
Contact: 7864567876
localhost/mentorconnect/mentor_dashboard.php#


Your Mentees and Mentees details:
Mentee Details
Add Mentee Details See Your Mentee
Logout
© 2024 Mentor Connect
Current Time: 22:36:39



The screenshot shows the Mentor Dashboard for Prashant Agarwal. The top navigation bar includes 'Mentor Connect', 'Home', 'About', and 'Services'. The header features the Kiet Group of Institutions logo and name. The main content area displays a profile picture of Prashant Agarwal, his name, and contact information (8789876756). To the right, under the heading 'Your Mentees and Mentees details:', there is a section for 'Mentee Details' with three buttons: 'Add Mentee Details' (blue), 'See Your Mentee' (green), and 'Logout' (red). The footer shows the current time as 22:35:19 and the copyright notice is '© 2024 Mentor Connect'.

Mentor Connect Home About Services

 Kiet Group of Institutions


Prashant Agarwal
Contact: 8789876756

Your Mentees and Mentees details:
Mentee Details
Add Mentee Details See Your Mentee
Logout
© 2024 Mentor Connect
Current Time: 22:35:19

Fig:5.3 Mentor Dashboard

Upon logging in, mentors are welcomed to their personalized dashboard, providing a centralized space to manage mentorship activities.

1. Mentor Details:

Overview Section: The dashboard prominently displays mentor details, including the mentor's name, profile image, years of experience, and areas of expertise. This section serves as a quick reference to the mentor's profile, offering mentees valuable insights into their mentor's background and expertise. By providing easy access to essential information, such as the mentor's name and image, mentees can quickly identify and connect with their mentor, fostering a sense of familiarity and trust. Additionally, displaying the mentor's years of experience and areas of expertise helps mentees understand the depth of knowledge and skills their mentor brings to the mentoring relationship. This comprehensive overview enhances the mentee's understanding of their mentor's qualifications and enables them to make informed decisions about seeking guidance and support. Overall, the overview section enriches the mentorship experience by facilitating meaningful connections and promoting effective mentor-mentee communication.

2. Add New Mentee:

Add Mentee Button: A prominent "Add New Mentee" button allows mentors to initiate the process of connecting with a new mentee. Clicking this button opens a form to input mentee details and establish a new mentoring relationship.

3. Mentee Details:

Mentee List: A section provides an overview of existing mentees. Each mentee entry includes key information such as mentee name, academic and professional progress, and a summary. Mentors can click on individual mentee entries to access detailed information.

4. Logout:

Logout Button: Located at the top-right corner, a "Logout" button ensures a secure logout process for mentors when they have completed their mentoring activities.

Additional Features:

User Interface:

The dashboard is designed with a clean and intuitive user interface, featuring a responsive layout for seamless navigation on various devices.

This Mentor Dashboard design optimizes mentor-mentee interactions, streamlines management tasks, and provides a visually appealing and efficient user experience within MentorConnect.

Add Mentee Details:

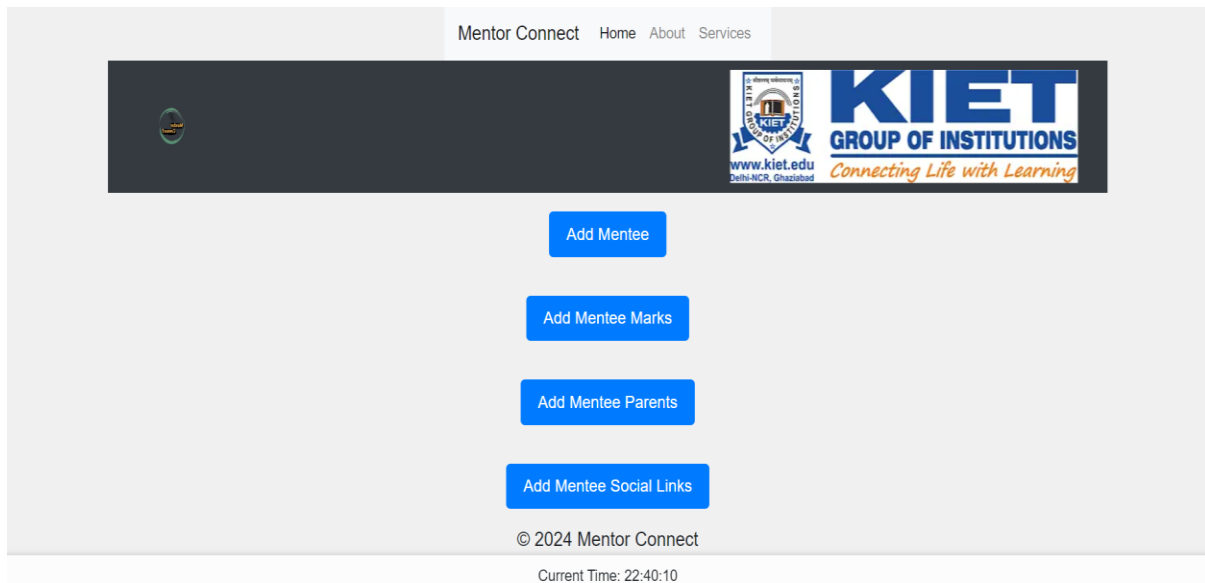


Fig:5.4 Add Mentee Details:

Overview Section:

- This section serves as a centralized space for mentees to access key information about their mentoring relationships and academic progress. It prominently displays mentee details, including the mentee's name, profile image, and academic progress.
- Name and Profile Image: The mentee's name and profile image are prominently featured at the top of the overview section, providing a personalized touch and quick identification of the mentee.
- Academic Progress: Academic progress indicators, such as grades, achievements, or progress bars, are displayed to provide mentees with a snapshot of their academic performance. This helps mentees track their progress and identify areas for improvement.

Add Mentee Button:

- A prominent "Add Mentee" button allows mentees to initiate the process of adding a new mentee to their mentoring circle. Clicking this button opens a form where mentees can input mentee details, such as name, contact information, and mentoring goals.

- **Streamlined Process:** The addition of a new mentee is streamlined through the Mentee Details Dashboard, eliminating the need for mentees to navigate to separate pages or forms. This streamlined process saves time and ensures efficient management of mentoring relationships.

Add Mentee Marks:

- A dedicated section within the dashboard enables mentees to input and track their academic progress. The "Add Mentee Marks" option allows mentees to record grades, achievements, and other academic milestones.
- **Academic Progress Tracking:** Mentees can input grades for assignments, exams, or other academic assessments, allowing them to monitor their progress over time. This feature provides mentees with valuable insights into their academic performance and helps them set goals for improvement.

Add Mentee Parents:

- Mentees have the option to add information about their parents or guardians directly within the Mentee Details Dashboard. This feature allows mentees to provide contact information, emergency contact details, or other relevant information about their parents.
- **Parental Involvement:** By including information about their parents, mentees can facilitate communication and collaboration between their mentors and parents. This promotes parental involvement in the mentoring process and ensures a supportive network for mentees' academic and personal development.

Add Mentee Social Links:

- To encourage social connectivity and networking, mentees can add their social media links directly within the Mentee Details Dashboard. The "Add Mentee Social Links" option allows mentees to share their professional or academic profiles, such as LinkedIn, GitHub, or personal websites.
- **Enhanced Communication:** Sharing social media links enables mentees to connect with mentors and peers outside of the MentorConnect platform, fostering communication and collaboration. Mentees can showcase their skills, accomplishments, and interests, enhancing their visibility and networking opportunities within the MentorConnect community.

User Interface:

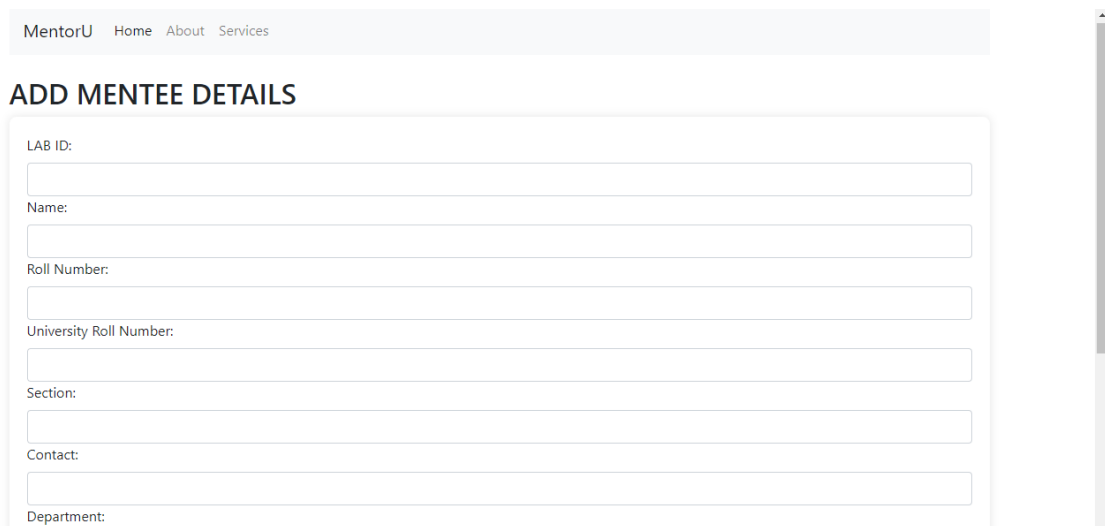
- The Mentee Details Dashboard features a clean and intuitive user interface with a responsive layout for optimal viewing on various devices. The design prioritizes ease.

of navigation and accessibility, ensuring that mentees can easily access and manage their mentoring relationships and academic progress.

- Visual Elements: Clear labels, intuitive icons, and visually appealing graphics enhance the user experience and guide mentees through the dashboard's features and functionalities. The layout is designed to be visually engaging while maintaining clarity and simplicity, promoting user engagement and satisfaction.

Conclusion: The Mentee Details Dashboard on MentorConnect is a powerful tool for mentees, providing easy access to mentoring relationships, academic progress tracking, and engagement features. With its user-friendly interface and essential functionalities like adding new mentees and recording academic marks, the dashboard empowers mentees to succeed and connect within the MentorConnect community.

Add Mentee:



The screenshot displays the 'ADD MENTEE DETAILS' form within the MentorU application. At the top, a navigation bar includes 'MentorU', 'Home', 'About', and 'Services'. The form itself is titled 'ADD MENTEE DETAILS' and contains several input fields for user information: 'LAB ID:', 'Name:', 'Roll Number:', 'University Roll Number:', 'Section:', 'Contact:', and 'Department:'. Each label is followed by a corresponding text input box. The form is presented in a clean, white box with a subtle shadow, set against a light gray background. A vertical scrollbar is visible on the right side of the page.

Fig:5.5 Add Mentee

User Interface:

Mentors have the ability to efficiently add mentees to their mentoring circle through a dedicated "Add Mentee" dashboard, streamlining the onboarding process.

1. **Mentee LAB ID:** This serves as a unique identification number or code assigned to each mentee. It helps in easily referencing and identifying specific mentees within the system. Mentors may have the option to either input or generate a mentee ID, depending on the system's setup.
2. **Name:** A text input field where mentors can enter the mentee's full name. This ensures accurate identification and helps in differentiating between multiple mentees, especially if there are mentees with similar names.
3. **Roll Number:** This field allows mentors to input the mentee's class roll number. This information is particularly useful for academic tracking and organization, especially in educational settings where mentees may belong to different classes or courses.
4. **University Roll Number:** A specific field dedicated to inputting the mentee's university roll number. This information aids in managing academic records effectively, especially in higher education institutions where students are often identified by their university roll numbers.
5. **Section:** A text input field enabling mentors to specify the section or academic group to which the mentee belongs. This helps in categorizing mentees based on their academic or organizational affiliations, making it easier for mentors to manage and provide relevant guidance.
6. **Contact:** This field allows mentors to input the mentee's contact information, such as phone number or email address. Seamless communication is essential for effective mentoring relationships, and having access to mentees' contact details facilitates this communication process.
7. **Department:** A dropdown or text input field where mentors can specify the department or field of study to which the mentee is affiliated. This information helps in understanding mentees' academic or professional backgrounds, enabling mentors to tailor their guidance accordingly.
8. **Submit Button:** The "Submit" button serves as the final step in the mentee addition process. When clicked, it saves the provided information to the mentor's dashboard, officially adding the mentee to their mentoring circle.

Validation Checks and Error Handling:

- The form incorporates validation checks to ensure that accurate and complete information is provided for each mentee. This may include checks for empty fields, correct formatting of roll numbers and contact information, and validation of unique identifiers.
- Clear error messages are displayed if any required fields are left blank or if there are formatting issues. This helps mentors identify and rectify any errors before submitting the form.

Success Confirmation:

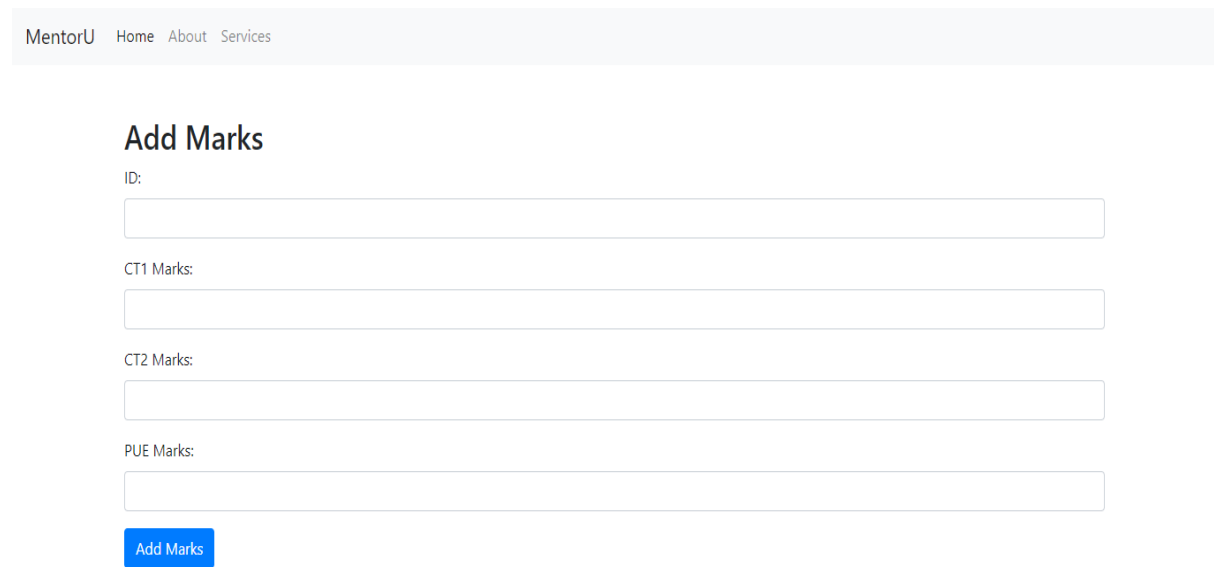
- Upon successful mentee addition, mentors receive a confirmation message or notification. This confirms that the mentee has been successfully added to their mentoring circle and ensures transparency in the process.

User Interface:

- The dashboard maintains a clean and user-friendly interface to enhance user experience. Clear labels, input fields, and intuitive design elements are incorporated to facilitate easy navigation and interaction.
- The layout of the form is structured logically, with relevant fields grouped together for ease of understanding. This ensures that mentors can quickly locate the information they need and provide necessary details without confusion.

"Add Mentee" dashboard within MentorConnect is designed to optimize the onboarding process for mentees, ensuring a seamless experience for both mentors and mentees within the mentoring program.

Add Marks:



The screenshot shows the 'Add Marks' form in the MentorU interface. At the top, there is a navigation bar with the text 'MentorU Home About Services'. Below this, the form is titled 'Add Marks'. It contains four input fields, each preceded by a label: 'ID:', 'CT1 Marks:', 'CT2 Marks:', and 'PUE Marks:'. Each label is followed by a rectangular text input box. At the bottom of the form, there is a blue button with the text 'Add Marks' in white.

Fig:5.6 Add Marks

Mentee ID:

1.1 Unique Identifier: Every mentee registered within the MentorConnect platform is assigned a unique Mentee ID. This ID distinguishes one mentee from another, ensuring that each mentee's profile is distinct and easily identifiable within the system.

1.2 Tracking Academic Records: The primary function of the Mentee ID is to enable mentors to track and manage the academic progress of their mentees effectively. By associating academic data, such as grades, exam results, or course enrolment, with the respective Mentee IDs, mentors can monitor the educational journey of each mentee with precision.

1.3 Input by Mentors: Mentors play an active role in assigning Mentee IDs to their mentees within the MentorConnect platform. This process involves inputting or generating unique identification numbers or codes for each mentee. By taking responsibility for this task, mentors ensure the accuracy and reliability of the data associated with their mentees.

1.4 Reference Point: The Mentee ID serves as a reference point for mentors when accessing mentee profiles and engaging in mentoring activities. By using Mentee IDs, mentors can quickly locate specific mentees within the platform, making it easier to provide personalized guidance and support tailored to individual mentee needs.

1.5 Integration with Academic Systems: In educational environments, the Mentee ID may be integrated with existing academic systems or databases. This integration streamlines the exchange of academic data between MentorConnect and other institutional platforms, facilitating seamless communication and consistency in academic records management.

1.6 Data Security: As a unique identifier, the Mentee ID contributes to maintaining data security and privacy within the MentorConnect platform. By assigning distinct IDs to each mentee, the platform ensures confidentiality and restricts access to sensitive academic information, safeguarding the privacy of both mentors and mentees.

2. CT1 Marks:

1. Continuous Assessment 1 (CT1): CT1 refers to an examination or assessment conducted during the course of an academic term or semester. Unlike final exams, CT1 assessments are typically held periodically to evaluate a student's understanding and progress in specific subjects or courses.

4. Academic Monitoring: The CT1 Marks field enables mentors to monitor their mentees' academic performance throughout the academic term or semester. By regularly inputting and tracking CT1 marks, mentors can gauge their mentees' academic progress and intervene proactively if any issues or challenges arise.

5. Feedback and Guidance: CT1 marks serve as a basis for providing feedback and guidance to mentees. Mentors can use the performance data entered in the CT1 Marks field to offer constructive feedback, set academic goals, and develop personalized learning plans to support their mentees' academic development.

6. Data Analysis: The CT1 Marks field facilitates data analysis and reporting within the MentorConnect platform. Mentors can generate reports and analytics based on CT1 marks to assess overall mentee performance, track trends over time, and identify areas of improvement at both individual and group levels.

3. CT2 Marks:

- Similar to CT1, CT2 represents Continuous Assessment 2, another exam or assessment conducted during the academic term.
- Mentors input the mentee's marks for the CT2 exam into this numeric input field.
- CT2 marks, along with CT1 marks, contribute to assessing the mentee's overall academic performance and understanding their strengths and areas for improvement.

4. PUE Marks:

1. **Periodic Unit Examination (PUE):** PUE is a comprehensive exam that covers the entire syllabus or a significant portion of it. These exams provide a comprehensive assessment of mentees' understanding and mastery of the subject matter.
2. **Numeric Input Field:** Mentors utilize the numeric input field provided to input mentees' scores obtained in the PUE exam. This allows for accurate recording of performance data within the MentorConnect platform.
3. **Holistic Assessment:** PUE marks offer a holistic assessment of mentees' knowledge and proficiency in the subject covered by the exam. Since PUE exams typically cover a broad range of topics, the marks obtained provide insights into overall understanding and mastery of the subject matter.
4. **Academic Progress Tracking:** Recording PUE marks enables mentors to track mentees' academic progress over time. By comparing PUE marks with previous assessments, mentors can gauge improvements or identify areas where additional support may be needed.
5. **Feedback and Guidance:** PUE marks serve as a basis for providing feedback and guidance to mentees. Mentors can use this data to offer constructive feedback, set academic goals, and tailor mentoring strategies to address specific areas of weakness or strength.
6. **Data Analysis:** Like other assessment fields, PUE marks contribute to data analysis within MentorConnect. Mentors can generate reports and analytics based on PUE marks to assess overall mentee performance, track trends, and identify areas for intervention or improvement.

5. Submit Button:

- **Submission Trigger:** Mentors click the "Add Marks" button to submit academic details.
- **Saving to Dashboard:** Clicking the button saves the provided academic details to the mentor's dashboard.
- **Association with Mentee's Profile:** The submitted marks are associated with the respective mentee's profile.
- **Validation Checks:** Before processing, the provided information undergoes validation checks.
- **Secure Storage:** After validation, the information is securely stored in the database.

Validation Checks:

- **Comprehensive Validation Checks:** The form implements a range of validation checks to ensure accuracy and validity in the marks provided by mentors for each category.

- **Required Field Verification:** Validation includes verifying that all required fields are filled out before submission, ensuring that no essential information is omitted.
- **Numeric Input Validation:** Validation checks ensure that numeric inputs, such as marks or scores, fall within acceptable ranges. This prevents unrealistic or erroneous data from being submitted.
- **Format and Consistency Checks:** The system checks for formatting issues or discrepancies in the provided data, such as ensuring that marks are entered in the correct format and consistent with academic standards.
- **Error Identification:** Clear error messages are displayed to mentors if any validation checks fail, guiding them to correct any inaccuracies or missing information before submission.
- **Data Integrity Assurance:** By enforcing validation checks, the platform maintains data integrity and accuracy. This ensures that the academic records stored within MentorConnect are reliable and trustworthy for both mentors and mentees.
- **Enhanced User Experience:** Implementing validation checks contributes to a smoother user experience by reducing the likelihood of errors and ensuring that mentors can input academic data accurately and efficiently.

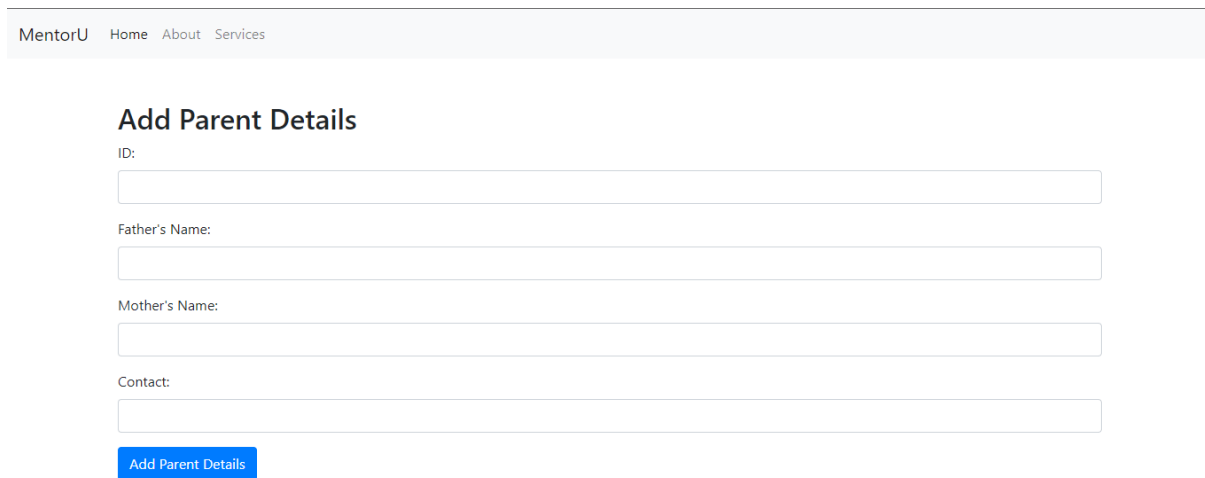
Error Handling:

- Clear error messages are displayed if mentors leave any required fields blank or if there are formatting issues or validation errors.
- Error messages provide specific guidance on how to correct the issues, helping mentors rectify errors and successfully submit the form.
- By effectively handling errors, the form enhances user experience and reduces frustration, ensuring a smooth and seamless mark addition process.

Success Confirmation:

- Upon successful addition of marks, mentors receive a confirmation message or notification, acknowledging that the academic details have been successfully submitted and saved.
- This confirmation instils confidence in mentors, assuring them that their input has been processed and recorded accurately within the MentorConnect platform.
- Clear and concise success messages contribute to a positive user experience, reinforcing trust and satisfaction with the platform's functionality.

Add Parent Details:



The screenshot shows a web interface for adding parent details. At the top, there is a navigation bar with the text 'MentorU' and links for 'Home', 'About', and 'Services'. Below this, the main heading 'Add Parent Details' is displayed. The form consists of four text input fields, each preceded by a label: 'ID:', 'Father's Name:', 'Mother's Name:', and 'Contact:'. At the bottom of the form is a blue button labeled 'Add Parent Details'.

Fig:5.7 Add Parent details

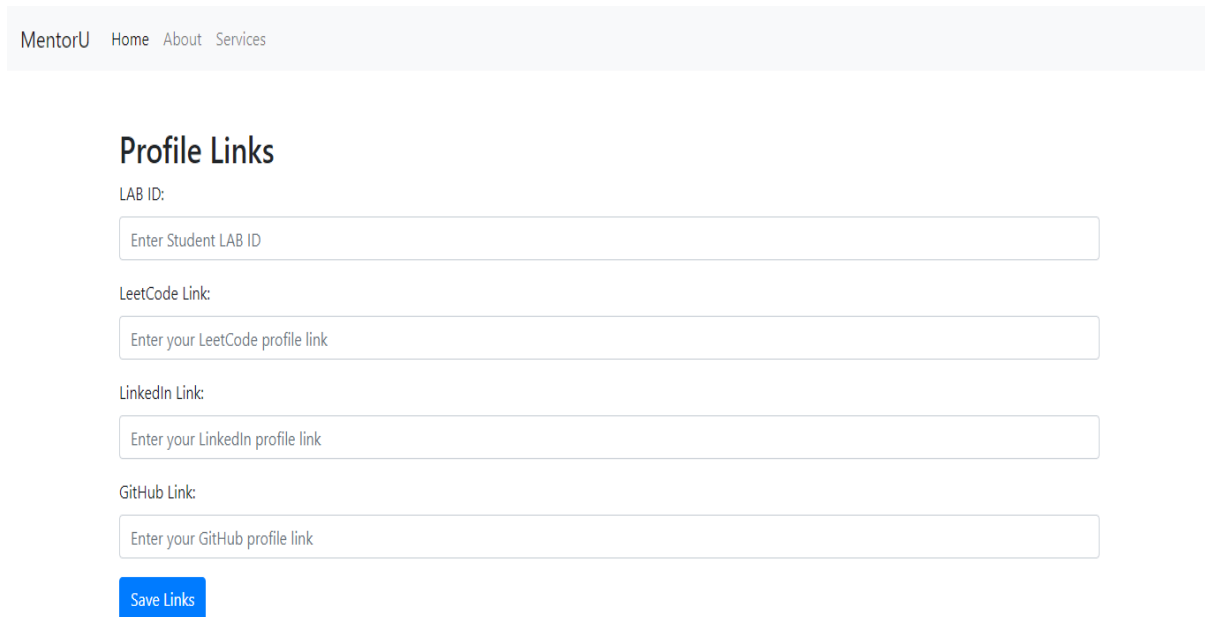
Add Parent Details Form:

The dashboard prominently features an "Add Parent Details" form with fields for essential information about the mentee's parents.

- **Mentee ID:** This field serves as a unique identifier assigned to each mentee, facilitating the tracking of parent details for individual mentees.
- **Father's Name:** Mentors can input the name of the mentee's father into this text field, providing essential parental information.
- **Mother's Name:** Similarly, mentors use this text input field to enter the name of the mentee's mother, ensuring comprehensive parental details.
- **Contact:** A text input field enables mentors to input contact information for the mentee's parents or guardians, fostering communication and coordination.
- **Submit Button:** The "Add Parent Details" button is prominently displayed to finalize the addition of parental information. Upon clicking, the provided details are saved to the mentor's dashboard for reference.
- **Validation Checks:** The form includes validation checks to ensure the accuracy and completeness of parent details. This includes verifying that all required fields are filled out and detecting any formatting issues.

- **Error Handling:** Clear error messages are displayed if required fields are left blank or if formatting issues are detected, guiding mentors to rectify any inaccuracies before submission.
- **Success Confirmation:** Upon successful addition of parent details, mentors receive a confirmation message or notification, ensuring transparency and completion of the process.

Profile Links:



MentorU Home About Services

Profile Links

LAB ID:

LeetCode Link:

LinkedIn Link:

GitHub Link:

[Save Links](#)

Fig:5.8 Profile Links

Profile Links Form:

The dashboard prominently features a "Profile Links" form with fields for essential links related to the mentee's professional presence.

- **Mentee ID:** This field serves as a unique identifier for each mentee, facilitating the tracking of profile links and ensuring accurate association with mentee profiles.
- **LeetCode Link:** Mentors input the mentee's LeetCode profile link into this text field, providing a reference to the mentee's coding skills and practice activities on the LeetCode platform.

- **LinkedIn Link:** In this text input field, mentors enter the mentee's LinkedIn profile link, allowing for easy access to the mentee's professional networking and background information.
- **GitHub Link:** Mentors input the mentee's GitHub profile link into this text field, providing visibility into the mentee's coding projects, contributions, and collaboration on the GitHub platform.
- **Submit Button:** The "Save Links" button is prominently displayed to finalize the addition of profile links. Upon clicking, the provided links are saved to the mentor's dashboard for reference and tracking.
- **Validation Checks:** The form incorporates validation checks to ensure accurate and properly formatted links are provided for each category. This includes verifying that the links are valid URLs and follow the correct format for LeetCode, LinkedIn, and GitHub profiles.
- **Error Handling:** Clear error messages are displayed if required fields are left blank or if formatting issues are detected with the links. This guides mentors to correct any inaccuracies before submission.
- **Success Confirmation:** Upon successful addition of profile links, mentors receive a confirmation message or notification, ensuring transparency and completion of the process. This confirms that the links have been successfully saved to the mentor's dashboard for future reference.

Mentees List:

Your Mentees:
[Mentee Details](#)





ID	Name	Section	Contact	Department			
2224MCA1000	Aastha Gupta	A	8767897654	MCA	View Students	See Messages	
2224mca1074	Aditya	A	9898989898	MCA	View Students	See Messages	
2224MCA1095	Ekansh	A	8976786545	MCA	View Students	See Messages	 No Notification
abhishek 2224mca1061	Abhishek Pandey	A	9999999900	MCA	View Students	See Messages	 No Notification

Fig:5.9 Mentees List

Mentees List Overview:

The dashboard displays a table or list showcasing mentees' details, including unique IDs, names, sections, Contact and Department. This provides mentors with a quick overview of their mentee cohort.

1. View Details Option:

Mentors can click on the "View Students" option next to each mentee's entry to access a detailed profile, including academic progress, parent details, profile links, and other relevant information.

2. See Messages Option:

An additional "See Messages" option allows mentors to access a communication log or inbox specific to each mentee. This feature facilitates seamless communication between mentors and mentees within the MentorConnect platform.

3. Message Notifications:

Mentors can see message notifications indicating whose messages have arrived, allowing them to stay updated and respond promptly. This feature highlights new messages and allocates them for easy access and management.

User Interface:

The dashboard maintains a clean and user-friendly interface, presenting mentee details in an organized and visually appealing manner.

Clear labels, intuitive design elements, and responsive layout enhance user interaction, ensuring mentors can efficiently navigate and manage their mentees within MentorConnect.

Messages:

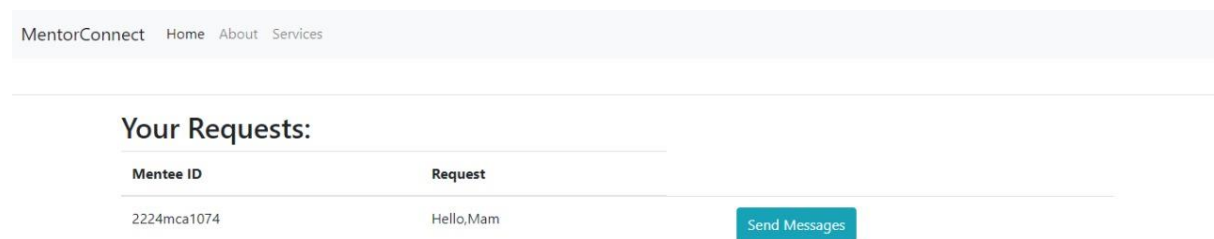


Fig:5.10 Message

Message Page Overview

The Message Page on the MentorConnect platform provides mentors with a centralized interface to view all messages exchanged with their mentees. This page is designed to enhance communication and streamline the mentoring process by offering a comprehensive overview of all interactions.

Mentee details:

Semester 3

CT 1	CT 2	PUE
80%	80%	80%

Attendance
70%

80% Academic Performance

80% Coding Performance

80% Improvement

Counselling Details

Counselling Type: Choose one:

Counselling Date:

Upcoming Counselling Date:

Counselling Remark:

Counselling Suggestion:

Achievement Upload Document: No file chosen

2024 Mentor Connect Current Time: 22:48:24

Fig:5.11 Mentee details

Mentee Details Overview

The "Mentee Details" dashboard on the MentorConnect platform provides mentors with a comprehensive and holistic view of their mentees. This dashboard is designed to offer detailed insights into various aspects of a mentee's academic and personal life, ensuring that mentors have all the information they need to provide effective guidance and support.

Basic Mentee Information

The dashboard prominently displays all essential details of the mentee, including:

Name: Full name of the mentee.

Roll Number: The unique roll number assigned to the mentee.

University Roll Number: The university-specific roll number for official records.

Lab ID: Identification number used for lab sessions and practical work.

Section: The academic section to which the mentee belongs.

Contact Information: Phone number and email address for direct communication.

Session Information: Details about the academic session, including start and end dates.

Parent Details

To ensure mentors have a complete understanding of the mentee's background, the dashboard includes:

Father's Name: The name of the mentee's father.

Mother's Name: The name of the mentee's mother.

Contact Details: Phone numbers and, if available, email addresses of the parents or guardians.

Profile Links

The dashboard provides quick access to the mentee's professional online presence with links to:

GitHub: To view the mentee's coding projects and repositories.

LinkedIn: To review the mentee's professional profile, connections, and endorsements.

LeetCode: To assess the mentee's problem-solving skills and coding challenges.

Previous Counselling Details

To track the mentee's counselling history, the dashboard includes:

Number of Sessions Attended: Total count of counselling sessions the mentee has attended.

Previous Counselling Date: The date of the last counselling session.

Mentor Remarks: Space for mentors to provide comments and observations from previous sessions.

Connect Button: An option for mentors to initiate further discussions or schedule additional sessions.

Semester Marks

A detailed view of the mentee's academic performance across different evaluation components, including:

CT1 and CT2 Marks: Marks obtained in the first and second cycle tests.

PUE (Practical and Understanding Examination): Performance in practical exams and understanding tests.

Overall Semester Performance: Cumulative marks or grades for the semester.

Attendance and Performance Details

To give mentors insights into the mentee's academic engagement, the dashboard includes:

Attendance Records: Detailed logs of the mentee's attendance in classes and labs.

Performance Details: Overall assessment of the mentee's academic standing, including participation and performance in various activities.

Counselling Details Form

A dedicated section for mentors to plan and document future counselling sessions, including:

Upcoming Counselling Date: Scheduled date for the next session.

Counselling Type: Type of counselling planned (academic, personal, career guidance, etc.).

Counselling Suggestions: Recommendations or advice to be given during the session.

Achievement Documents: An option to upload relevant documents that highlight the mentee's achievements.

Submit Button

A prominent "Submit" button is provided to finalize and save the counselling details, ensuring that the mentee's profile is updated with the latest information.

Direct Call Button

An image of the WhatsApp logo is displayed, indicating the option for direct communication. Upon clicking this button:

Initiates a WhatsApp Call: Starts a call to the mentee's phone number, enabling immediate communication.

WhatsApp Connect Button

If the 'id' parameter is set in the URL (representing the mentee's ID), the dashboard:

Retrieves Contact Number: Fetches the mentee's phone number from the database.

Generates Connect Button: Creates a WhatsApp connect button with a link that includes the mentee's phone number, allowing the mentor to start a chat directly through WhatsApp.

Document Upload

Mentors can receive and store any relevant documents shared by the mentee, such as certificates, project reports, or any other achievement documents, directly within the platform.

Dynamic Display

To maintain a clean and organized dashboard:

Collapsible Sections: Sections can be expanded or collapsed based on the mentor's needs, ensuring a clutter-free interface.

Structured Layout: Information is presented in a logical and easy-to-navigate manner.

User Interface

The dashboard features a user-friendly interface with:

Clean Design: A visually appealing layout that enhances readability and interaction.

Clear Labels: Intuitive labels and headings for easy identification of sections and information.

Responsive Layout: Ensures that the dashboard is accessible and functional across various devices and screen sizes.

Conclusion

The "Mentee Details" dashboard on MentorConnect is designed to provide mentors with a comprehensive, organized, and interactive view of their mentees' information. By consolidating all relevant data in one place, the platform enhances the mentoring experience, ensuring that mentors have the tools and insights they need to support their mentees effectively.

Mentee dashboard:

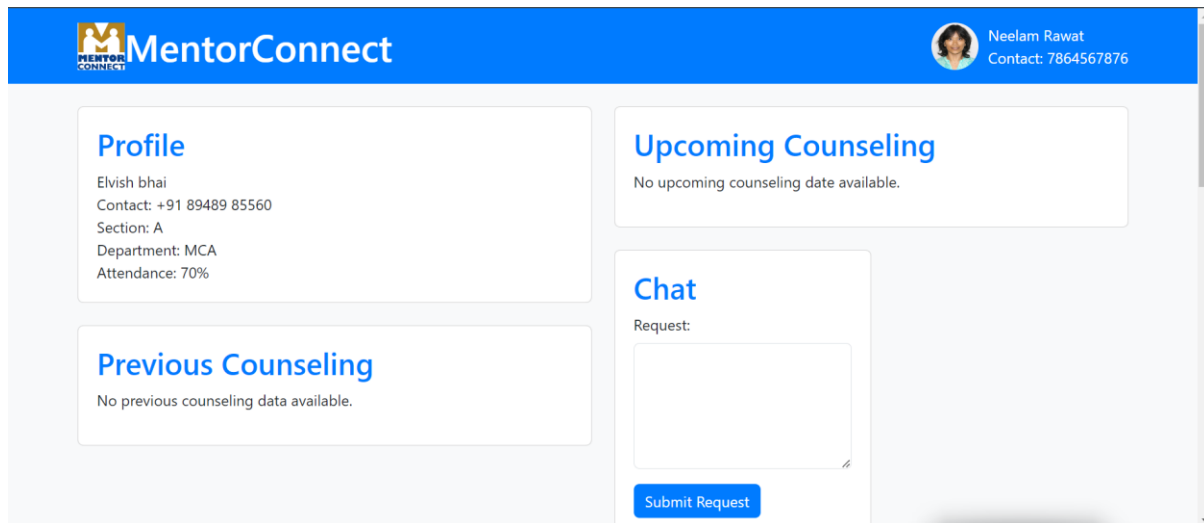


Fig:5.12 Mentee dashboard

Mentee Dashboard Overview

The Mentee Dashboard on the MentorConnect platform offers mentees a personalized and informative interface to manage their mentoring relationships effectively. This comprehensive dashboard provides access to mentor details, mentee profile information, counselling history, upcoming sessions, and a chat option for queries, ensuring a seamless and supportive mentorship experience.

1. Mentor Details Section

The dashboard prominently features details about the assigned mentor, ensuring easy accessibility for mentees to reach out and engage with their mentors effectively. This section includes:

Mentor's Name: The full name of the mentor.

Contact Information: Email and phone number of the mentor.

Profile Picture: If available, the mentor's profile picture for easy identification and personalization.

Having access to mentor details fosters effective communication and support throughout the mentorship journey, empowering mentees to seek guidance and assistance as needed.

2. Mentee Profile Display

The mentee's profile is showcased comprehensively, offering insights into their academic and personal information. This section includes:

Name: Full name of the mentee.

Contact Information: Phone number and email address.

Section: The academic section to which the mentee belongs.

Department: The academic department of the mentee.

Attendance Records: Details of the mentee's attendance in classes and labs.

Profile Picture: If available, the mentee's profile picture for easy identification and personalization.

This comprehensive display enables mentors to better understand their mentee's background and circumstances, facilitating tailored guidance and support.

3. Counselling History

A dedicated section displays the mentee's previous counselling sessions, empowering mentees to track their progress and follow up on action points effectively. This section includes:

Date of Sessions: The dates on which counselling sessions were held.

Feedback: Remarks and feedback provided by the mentor during sessions.

Action Items: Tasks or action points assigned to the mentee during the sessions.

By having access to their counselling history, mentees can reflect on their growth and development over time, ensuring continuity and effectiveness in their mentoring journey.

4. Upcoming Counselling Date

The dashboard highlights the date and time of the next scheduled counselling session, ensuring mentees are well-prepared and aware of their upcoming mentoring interactions. This section includes:

Upcoming Session Details: Information about the next session, including date, time, and location (if applicable).

Promoting accountability and engagement, this feature enables mentees to prioritize their participation and make the most of their mentoring opportunities.

5. Chat Option for Queries

A dedicated chat feature allows mentees to communicate directly with their mentor for any queries, concerns, or additional support needed. This real-time communication channel fosters a supportive relationship between mentors and mentees, offering convenience and accessibility. The chat option includes:

Real-Time Communication: A chat interface for sending and receiving messages.

Query Management: A space to ask questions, seek guidance, and get prompt responses from mentors.

By providing an accessible means of communication, this feature promotes collaboration and ensures mentees receive timely assistance throughout their mentoring journey.

6. Logout

A "Logout" button ensures mentees can securely log out of their accounts when needed, enhancing account security and privacy. This feature offers convenience and peace of mind, allowing mentees to end their sessions and protect their personal information with ease.

Additional Features

Attendance Records: A section displaying the mentee's attendance records provides insights into their academic engagement, enabling mentors to monitor participation and commitment effectively.

Profile Picture Display: Integrating profile pictures adds a personal touch to the mentoring experience, fostering a sense of familiarity and recognition. This feature contributes to a visually appealing and engaging dashboard layout, enhancing user experience.

User Interface

The dashboard maintains a clean, user-friendly interface with intuitive design elements, clear labels, and a visually appealing layout. The responsive design ensures accessibility and functionality across various devices and screen sizes, offering a seamless user experience.

Conclusion

The Mentee Dashboard on MentorConnect is designed to empower mentees to manage their mentoring relationships effectively and make the most of their mentorship opportunities. By providing comprehensive access to mentor details, counselling history, upcoming sessions, and a chat option for queries, the dashboard ensures mentees have the support and resources they need to succeed in their academic and personal development journey.

CONCLUSION

In conclusion, the development of MentorConnect, an innovative online mentorship platform, signifies a transformative step in addressing the evolving landscape of education and professional development. With careful consideration in design and implementation, MentorConnect provides a dynamic and interactive virtual environment connecting mentors and mentees.

The platform's primary focus on fostering meaningful mentor-mentee relationships within the college community is evident through its features. The login system enables mentors to easily manage their mentees, monitor academic and professional progress, respond to queries, provide remarks, and schedule mentoring sessions through platforms like Google Meet. Simultaneously, mentees can access a centralized space to view mentor details, pose queries, and attend scheduled mentorship sessions.

As MentorConnect advances, continuous refinement will be crucial to adapt to emerging educational trends and technological advancements. Incorporating features such as AI-driven personalized recommendations, optimizing mobile compatibility for flexibility, and ensuring robust security measures will contribute to the platform's continued success.

In essence, MentorConnect not only represents a technological solution but also a catalyst for revolutionizing mentorship practices, promoting accessibility, and building a supportive community within educational institutions. The platform's commitment to enhancing the academic journey of students reflects its potential to redefine mentorship dynamics and contribute to the broader landscape of online education and professional development.

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