**Rayat Shikshan Sanstha’s**

**C. D. Jain College of Commerce, Shrirampur**

**TYBBA (CA) Progress Report**

**Academic Year 2023-2024**

|  |  |  |
| --- | --- | --- |
| **Name of The Project:** | EthicalDood: Empowering the Future Programming | |
| **Project Platform** | Java (Desktop Application) | |
| **Name of the Student:** | Telore Ganesh Bhaskar | |
| **Mobile No:** | 8010466885 | |
| **Project Guide No:** | Prof. Lande R.D | |
| **Project Period:** | **From:** 19/02/2024 **To:** 23/02/2024 | |
| **Project Description:** | | |
| **Week 4**   * In the past week, significant strides have been made towards enhancing both the functionality and security of the platform. Notable advancements include the establishment of navigational bars, enhancing user experience by providing easy access to various features. Additionally, the integration of video lectures and ebooks enriches the learning resources available to users, contributing to a more comprehensive educational experience. The implementation of encryption protocols has bolstered the security framework, ensuring the confidentiality of user credentials. * Furthermore, the seamless integration of email notifications for new uploads on the educational repository serves to enhance user engagement by keeping them informed of the latest content additions. The introduction of the 'forgot password' functionality addresses a common user concern, providing a convenient solution for password retrieval via username or email. Rigorous credential validation measures have been put in place for both users and administrators, ensuring the integrity of data entered into text fields and enhancing overall platform security. * In response to concerns regarding intellectual property protection, proactive measures have been taken to prevent unauthorized copying and pasting of administrator codes. To combat this issue effectively, a plagiarism detection module leveraging Apache PDFBox has been developed. This module extracts text data from PDF files, facilitating comparison between user-uploaded content and administrator codes. While the current iteration provides a basic level of plagiarism detection, ongoing efforts will focus on enhancing its efficiency and reliability. * Additionally, an 'About' page has been created to offer users insight into the platform and its administrator. Social media links have been incorporated to facilitate communication, enabling users to connect and address any queries or concerns they may have. * Looking ahead, plans are underway to implement a forum accessible to both users and administrators. This forum will serve as a platform for users to share ideas and provide feedback, fostering a collaborative learning environment. Furthermore, the integration of a user-friendly, multi-language compiler aims to empower users to execute their code seamlessly. While developing a proprietary compiler proved challenging, the utilization of an external online multi-language compiler, such as Programmiz, ensures users can run their code effortlessly. * As we continue to evolve, efforts will remain focused on enriching the platform's functionality and user experience. Through continuous refinement and the incorporation of new features, we are committed to providing an optimal learning environment for our users. * I will try to implement additional features to further enrich the platform's functionality and user experience. By continuously refining existing features and incorporating new functionalities, the platform aims to provide an optimal learning environment for users. | | |
| **Project Guide Name and Signature**  Prof. Lande R.D | | **Name of the Student and Signature**  Telore Ganesh Bhaskar |