

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**JNANASANGAMA, BELAGAVI-590 018, KARNATAKA**

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**MINI PROJECT REPORT**

ON

**“Department Collaboration Platform for Streamlined Workflow”**

*Submitted in the partial fulfilment of requirements for the award of Degree*

**B.E. in Computer Science and Engineering**

**PROJECT ASSOCIATES**

|  |  |
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**PROJECT GUIDE**

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| **Dr. Nirmala C R Ph.D.**  **Head of Department**  **Dept. of CS&E** |

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**Bapuji Institute of Engineering and Technology**

**Department of Computer Science and Engineering**

**Davanagere-577004**

**2023-2024**



**Bapuji Institute of Engineering and Technology**

**Davangere – 577004**



**Department of Computer Science and Engineering**

**CERTIFICATE**

This is to certify that **Ratan Shet, Nithin Kumar K N, Poorvitha Y, Nanditha A** bearing USN **4BD21CS116, 4BD21CS092, 4BD21CS095, 4BD21CS083** respectively of Computer Science and Engineeringdepartment have satisfactorily submitted the Mini Project report entitled **“Department Collaboration Platform for Streamlined Workflow”** in the partial fulfilment of the requirements for the award of Degree of Bachelor of Engineering (B.E.) in Computer Science and Engineering, under the VTU during the academic year 2023-24**.**

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**Date: XX-01-2024**

**Place: Davanagere**

**ACKNOWLEDGEMENT**



Salutations to our beloved and highly esteemed institute, **“BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY”** for having well-qualified staff and labs furnished with the necessary equipment.

We express our sincere thanks to our guide **Dr. Nirmala C R,** Head of Department, Department of Computer Science and Engineering, BI.E.T., Davangere, for giving us the constant encouragement, support and valuable guidance throughout the course of the mini project without whose stable guidance this project would not been achieved.

We are grateful to mini–Project Coordinators **Dr. Arun Kumar G H,** Associate Professor, Department of Computer Science and Engineering, B.I.E.T., **Dr. Naveen Kumar K R,** Associate Professor, Department of Computer Science and Engineering, B.I.E.T., and **Mr. Shankar Sarji P**, Assistant Professor, Department of Computer Science and Engineering, B.I.E.T., Davangere, for their constant support and feedback through-out this mini-project.

We express whole hearted gratitude to **Dr. Nirmala C R** who is our respectable H.O.D of Computer science and Engineering Department. We wish to acknowledge her help who made our task easy by providing with her valuable help and encouragement

We also express our wholehearted gratitude to our respected Principal, **Dr. H B Aravind** for his moral support and encouragement.

We would like to extend our gratitude to all Teaching and Non-Teaching staff of the **Department of Computer Science and Engineering** for the help and support rendered to us. We have benefited a lot from the feedback, and suggestions given by them.

We would like to extend our gratitude to all our family members and friends especially for their advice and moral support.

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Bapuji Educational Association (Regd.)



**Bapuji Institute of Engineering and Technology, Davangere-577004**

**Vision and Mission of the Computer Science and Engineering Department**

**Vision**

“To be a centre-of-excellence by imbibing state-of-the-art technology in the field of Computer Science and Engineering, thereby enabling students to excel professionally and be ethical.”

**Mission**

|  |  |
| --- | --- |
| 1. | Adapting best teaching and learning techniques that cultivates Questioning and Reasoning culture among the students. |
| 2. | Creating collaborative learning environment that ignites the critical thinking in students and leading to the innovation. |
| 3. | Establishing Industry Institute relationship to bridge skill gap and make them industry ready and relevant. |
| 4. | Mentoring students to be socially responsible by inculcating ethical and moral values. |

**Program Educational Objectives (PEOs):**

|  |  |
| --- | --- |
| PEO1 | To apply skills acquired in the discipline of computer science and engineering for solving Societal and industrial problems with apt technology intervention. |
| PEO2 | To continue their carrier ion industry /academia or pursue higher studies and research. |
| PEO3 | To become successful entrepreneurs, innovators to design and develop software products and services that meets societal, technical and business challenges. |
| PEO4 | To work in the diversified environment by acquiring leadership qualities with effective communication skills accompanied by professional and ethical values. |



**Program Specific Outcomes (PSOs):**

|  |  |
| --- | --- |
| PSO1 | Analyse and develop solutions for problems that are complex in nature but applying the knowledge acquired from the core subjects of this program. |
| PSO2 | To develop secure, scalable, resilient and distributed applications for industry and societal Requirements. |
| PSO3 | To learn and apply the concepts and contract of emerging technologies like artificial intelligence, machine learning, deep learning, big-data analytics, IOT, cloud computing etc for any real time problems. |

**ABSTRACT**

The Department Collaboration Platform is a comprehensive web application designed to enhance communication, task management, and document storage within an organization. Built with Django, the platform facilitates user authentication and personalized dashboards, allowing users to manage their tasks effectively. Each user can update, and track tasks, ensuring deadlines are met and responsibilities are clear. The system sends automatic notifications to users about task deadlines, promoting timely completion and accountability. In addition to task management, the platform features a dedicated document storage system, enabling users to upload, organize, and access their documents securely. This functionality supports collaboration across departments by providing a centralized location for important files. Furthermore, the knowledge base serves as a repository of shared information, guidelines, and best practices, fostering a culture of learning and resource sharing within the organization. With a specialized in-built admin panel, administrators can efficiently manage user accounts, oversee tasks, and monitor overall platform activity, ensuring a secure and organized environment. By integrating these features, the Department Collaboration Platform aims to streamline workflows, enhance productivity, and improve overall communication among team members, ultimately driving organizational success.

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