##### A Project report on

**BLOGS: GUIDING THE WAY FOR THE FUTURE**

###### A Dissertation submitted to JNTU Hyderabad in partial fulfillment of the academic requirements for the award of the degree.

**Bachelor of Technology**

**in**

**Computer Science and Engineering**

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#### CERTIFICATE

This is to certify that the Major Project Phase I report entitled **"BLOGS: GUIDING THE WAY FOR THE FUTURE"** being submitted by T.SAI VENKAT (20H51A0523), K. RAJA SIMHA REDDY (20H51A05C6), B. GANESH (20H51A05D6) in partial fulfillment for the award of **Bachelor of Technology in Computer Science and Engineering** is a record of bonafide work carried out his/her under my guidance and supervision.

###### The results embodies in this project report have not been submitted to any other University or Institute for the award of any Degree.

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# **ABSTRACT**

Blogs are a popular medium for sharing personal thoughts, opinions, experiences, and knowledge on various topics. Blogging has become a powerful means of self-expression and information-sharing in the digital age. It has democratized publishing, allowing anyone with internet access to create and distribute content globally. Blogs continue to be a significant part of the online landscape, complementing traditional media and fostering diverse voices and opinions. For beginners, blogs serve as a vast treasure trove of knowledge, guidance, and inspiration. They are like virtual mentors, providing valuable insights and experiences on a wide range of topics.

In summary, blogs provide a supportive and enriching environment for beginners. They offer knowledge, encouragement, and a sense of belonging, transforming the daunting task of starting something new into an exciting adventure of exploration and growth.

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# **CHAPTER 1**

**INTRODUCTION**

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**CHAPTER 1**

**INTRODUCTION**

**1.1. Problem Statement**

The Blogs is a web-based platform designed to facilitate the exchange of feedback between juniors and seniors who have participated in a placement or internship program. This portal aims to provide a structured and organized way for seniors to share feedback about the performance, skills, and potential of the individuals they have worked with during a placement or internship.

The Blogs serves as a valuable resource for both juniors and seniors. Seniors can provide constructive feedback to help students understand their strengths and areas for improvement, which can be beneficial for their future career development. At the same time, juniors can gain insights into their performance, identify areas where they can enhance their skills, and adjust improve their chances of securing future employment.

**1.2. Research Objective**

**1. Explore the Effectiveness of Feedback:** The project can aim to investigate the impact of feedback from seniors on the interview skills and career development of juniors. This objective involves assessing whether the feedback provided by seniors leads to measurable improvements in juniors' interview performance and overall professional growth.

**2. Understand the Needs and Expectations of Juniors:** Conduct research to gain insights into the specific needs, expectations, and challenges faced by juniors during the job interview process. This objective involves gathering data through surveys, interviews, or focus groups to understand the areas where juniors require guidance and support.

**3. Assess the Value of Knowledge Transfer:** Examine the extent to which knowledge transfer occurs through the feedback loop between seniors and juniors. This objective involves evaluating whether juniors perceive the feedback received as valuable and relevant to their career aspirations, and if they apply the shared knowledge effectively.

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**1.3 Project scope and Limitations**

**Interview Scope:** The interviews will focus on developers and professionals in the tech industry, including those working with new and emerging technologies.

**Puzzle Complexity:** The project will include programming puzzles, but it will not involve the creation of highly complex or time-consuming challenges. Puzzles will be designed for entertainment and educational purposes.

**Learning Solutions:** While the project may offer coding solutions, it will not provide extensive one-on-one tutoring or personalized assistance to learners.

**Languages and Platforms**: The project will cover popular programming languages, widely-used development tools, and new/emerging technologies, with a focus on technologies of broad interest to the tech community.

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**CHAPTER 2**

**BACKGROUND WORK**

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**CHAPTER 2**

**BACKGROUND WORK**

**2.1 Interview Bit**

**2.1.1 Introduction**

Interview Bit is an online coding platform that offers interview preparation materials, coding challenges, and practice questions. It provides a community-

driven platform where users can share their interview experiences, tips, and resources to help others prepare for coding interviews.

Fig-2.1 - Interview Bit

**2.1.2**

**Demerits:**

1.InterviewBit primarily focuses on coding interview preparation. While it is beneficial for technical interviews, it may not cover other aspects of the interview process, such as behavioral or case-based interviews, which are important for many job positions.

2.It does not any categorical search of the interviews

**Merits**

1.It mainly focuses on coding questions

2.It used for enhancing the coding skills of students

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**2.1.3. Implementation of Interview Bit**

1. Sign up and create an InterviewBit account.

2. Set up your user profile with skills and goals.

3. Choose a relevant learning path or role.

4. Select problems by topic and difficulty.

5. Solve problems independently and review solutions.

6. Test your code against provided test cases.

7. Participate in mock interviews for practice.

8. Track your progress and areas for improvement.

9. Consider joining coding competitions.

10. Stay consistent with your interview preparation efforts.

**2.2 Stack Overflow**

**2.2.1 Introduction**

Stack Overflow is a popular online community and question-and-answer platform for programmers and developers. It was created in 2008 by Jeff Atwood and Joel Spolsky as a place for programmers to share knowledge, ask questions, and find answers related to various programming and software development topics.



Fig-2.2 – Stack Overflow

**2.2.2**

**Demerits:**

1.Stack Overflow allows users to include links to external resources in their answers. However, if those external links become broken or the linked content changes, the answers may lose their value over time.

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**Merits**

1.Stack Overflow has a code of conduct that outlines guidelines for respectful and constructive communication within the community.

2. Stack Overflow Jobs is a section of the platform where companies can post job openings, and developers can search for job opportunities.

**2.2.3. Implementation of Stack Overflow**

1. HTML & CSS: Develop a simple web interface with HTML for structure and CSS for styling.

2. Backend Language: Use a backend language like Python with a web framework (e.g., Flask or Django).

3. Database: Set up a database system (e.g., SQLite) for storing questions, answers, and user data.

4. User Authentication: Implement user registration, login, and basic authentication.

5. Questions & Answers: Create forms to post questions and answers, storing them in the database.

6. Voting: add upvoting and downvoting functionality for both questions and answers.

7. Tagging: Allow users to add tags or categories to questions.

8. Search: Implement a rudimentary search feature to find questions.

9. User Profiles: Display user profiles with their asked and answered questions.

10. Deployment: Host the platform on a web server or a cloud platform for public access.

**2.3 GeeksForGeeks**

**2.3.1 Introduction**

GeeksforGeeks is a leading platform that provides computer science resources and coding challenges for programmers and technology enthusiasts, along with interview and exam preparations for upcoming aspirants. With a strong emphasis on enhancing coding skills and knowledge, it has become a trusted destination for over 12 million plus registered users worldwide. The platform offers a vast collection of tutorials, practice problems, interview tutorials, articles, and courses, covering various domains of computer science.

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Fig-2.3 - GeeksforGeeks

**2.3.2**

**Demerits:**

1.The quality of content can vary, with some articles being more comprehensive and accurate than others. Users should verify information from multiple sources, especially when dealing with critical concepts.

**Merits:**

1.GeeksforGeeks has an active community of users, including contributors, learners, and mentors. This community engagement can foster collaborative learning and support.

2. The articles and tutorials are generally well-structured and provide easy-to-understand explanations with code examples, making complex topics more accessible to learners

**2.1.3. Implementation of GeeksforGeeks**

1. Set up a basic website structure with HTML and CSS.

2. Develop a few static pages with coding tutorials and articles.

3. Create a search bar for finding content.

4. Add a user registration system for commenting and interacting.

5. Host the site on a web server for public access.

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**CHAPTER 3**

**RESULTS AND DISCUSSION**

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**CHAPTER 3**

**RESULTS AND DISCUSSION**

**PERFOMANCE METRICS**

When it comes to measuring the performance of blogs, there are several key performance metrics you can track to gauge their success and effectiveness. These metrics can help you understand how well your blog is performing and identify areas for improvement. Here are some essential performance metrics for blogs:

Traffic Metrics:

a. Pageviews: The total number of times your blog pages have been viewed. This metric helps you understand the overall popularity of your content.

b. Unique Visitors: The number of distinct individuals who have visited your blog during a specific time. This metric gives you insights into your reach.

SEO Metrics:

a. Organic Traffic: The number of visitors who find your blog through search engines. Monitoring organic traffic can help you assess the success of your SEO efforts.

Conversion Metrics:

a. Conversion Rate: The percentage of visitors who take a desired action, such as signing up for your newsletter, making a purchase, or filling out a contact form. This is a crucial metric for measuring the effectiveness of your blog in achieving its goals.

**DISCUSSION**

However, it is essential to approach the information on these portals with a critical mindset. Reviews and feedback may vary in terms of bias, subjectivity, and sample size. One should consider multiple sources and cross-reference the information to get a more comprehensive and balanced view.

These portals can serve as valuable supplements to traditional research methods, such as networking, informational interviews, and company websites. They provide a broader perspective on company culture, interview experiences, and technical preparation.

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CHAPTER 4

**CONCLUSION**

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**CHAPTER 4**

**CONCLUSION**

The development of the Placement Feedback Portal has addressed the problem of juniors lacking access to reliable and personalized feedback on their interview experiences. The platform has provided a structured and organized system for collecting feedback from seniors, enabling juniors to gain valuable insights and guidance for their career development.

Through surveys, interviews, and feedback analysis, it has been determined that the feedback provided by seniors has a significant impact on juniors' interview skills and overall employability. Juniors have reported using the feedback to make informed career decisions, improve their interview performance, and enhance their skills.

The project's system architecture, leveraging front-end technologies like HTML, CSS, and JavaScript, and utilizing Django as the backend framework, has successfully facilitated efficient communication, and promoted transparency between seniors and juniors. The user experience of the web-based platform has been evaluated positively, with users finding it intuitive and user-friendly.

Furthermore, the project's research objectives have been achieved by exploring the effectiveness of feedback, understanding the needs of juniors, evaluating knowledge transfer, and assessing the impact on placement and internship programs. Ethical considerations and data privacy have also been given due importance throughout the project.

In conclusion, the Placement Feedback Portal has provided a valuable resource for juniors, enabling them to learn from the experiences of seniors, enhance their interview skills, and make informed career decisions. The project has fostered a culture of learning, growth, and knowledge sharing within the community, ultimately contributing to the professional development and success of the users.

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**2. HTML and CSS Documentation:** W3Schools provides comprehensive tutorials and references for HTML and CSS, including examples and explanations: https://www.w3schools.com/html/ and https://www.w3schools.com/css/

**3. JavaScript Documentation:** Mozilla Developer Network (MDN) offers extensive documentation, guides, and examples for JavaScript: https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide

**4. Survey Design and Analysis:** "Survey Methodology" by Robert M. Groves et al. provides an in-depth guide to survey design, implementation, and data analysis techniques.

**5. User Experience (UX) Design:** "Don't Make Me Think" by Steve Krug is a popular book that provides insights into creating intuitive and user-friendly interfaces.

**6. Feedback Collection and Analysis:** "Qualitative Inquiry and Research Design: Choosing Among Five Approaches" by John W. Creswell offers guidance on collecting and analyzing qualitative feedback.

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