LOKNETE HON.HANMANTRAO PATIL CHARITABLE TRUST'S

ADARSH INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE,VITA

(NAAC Accredited Institute)

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| **Hon.Adv.Sadashivrao H Patil** | **Hon.Adv.Vaibhav S Patil** | **Dr.P.S.Patil** |
| Ex.MLA. Founder | President | Principal |

Academic Year: 2023-24	Project Synopsis		Sem-VI	
	Department : Computer Science and Engineering		**Date of Preparation:**	
Roll No	CS3010,CS3015,CS3016,CS3017		Class	TY B.Tech
Project Title	Aptitude Quiz Website			
Student Name	1.Akshay Sarjerao Bandgar. 2 Adarsh Rupesh Jadhav. 3 Rushikesh Pravin Mhetre. 4 Pranav Dilip Suryawanshi.			

Introduction:

This project aims to create a user-friendly website where users can access a wide range of aptitude quizzes across various categories, such as mathematics, logical reasoning, verbal ability, and more. The quizzes are designed to challenge and stimulate critical thinking, problem-solving, and analytical skills.

In an increasingly competitive world, the ability to assess and enhance one's aptitude is vital for personal and professional growth. "Aptitude Quiz Website" is an innovative platform designed to provide individuals with a comprehensive and engaging experience for sharpening their aptitude.

Literature Review:

Sr.no	Author	Year	Advantages
1.	K.Swasha	2023	- K.Swasha 2023 research explored how college notes websites impact academic performance. - Students who regularly use college notes websites often achieve better academic results due to access to supplementary learning materials. - College notes websites allow students to study at their own pace, catering to individual learning speeds and preference

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2.	C. Campana	2019	- Students can choose notes that align with their learning style, helping them absorb information more effectively. - Some websites provide real-world examples and practical insights, enhancing the application of knowledge beyond the classroom. - Students can benefit from peer-to-peer learning by sharing their notes and learning from their peers' perspectives and interpretations.
3.	Dony Tontiardo	2021	- Aptitude become one of major problem to determine the specialization in college, that sometimes make some individual to choose poorly and causing them to choose the wrong specialization that didn't match their aptitude, however the specialization can be observed and determined from early stage using the help of technology. - Basically aptitude test that implemented today is still using the conventional way, however with the advances of technology the aptitude test can be done online and updated periodically.

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Relevance of the Work:

In today's dynamic and competitive world, making informed decisions about education and careers is paramount. Our aptitude quiz website serves as an invaluable resource, offering users the opportunity to discover their inherent strengths and weaknesses. This personalized approach not only aids in academic success by guiding students toward the right courses and career paths but also empowers professionals to excel in roles that align with their aptitudes.

By providing accessible aptitude testing, our platform ensures that individuals from all backgrounds can benefit, potentially saving them from costly educational and career missteps. In essence, our aptitude quiz website is a catalyst for informed, efficient, and fulfilling career choices, ultimately enhancing personal and professional growth."

Proposed Work:

This platform will offer a wide range of aptitude quizzes designed to help users identify their strengths and weaknesses in various areas, such as mathematics, logical reasoning, verbal ability, and more. Users will receive personalized feedback based on their quiz results, enabling them to make informed decisions about their education and career paths. The website will leverage the latest technology to provide an accessible and user-friendly experience, making it suitable for students, job seekers, and professionals

The goal of this project is to create a valuable tool that enhances personal and professional development by aligning individuals with their aptitudes, ultimately contributing to their success and satisfaction in their chosen paths.

Proposed Methodology:

Provide user guides and tutorials to assist users in navigating the platform effectively.Design an intuitive and user-friendly website interface. Implement an online quiz platform with features such as timed quizzes, instant scoring, and progress tracking.Ensure cross-device compatibility to reach a wider audience.

Develop a question bank with a variety of difficulty levels to cater to users with different aptitude levels.

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Analyze and interpret scores to provide users with insights into their strengths and areas for improvement. Provide user guides and tutorials to assist users in navigating the platform effectively. Offer responsive customer support to address user queries and issues promptly. Implement robust data protection measures to ensure the security and privacy of user data. Establish a framework for ongoing maintenance to fix bugs, enhance performance, and add new features.Plan for scalability to accommodate a growing user base and evolving technological requirements.

HW/SW Requirement:

HARDWARE REQUIREMENT:

RAM	- 1GB
Processor	- 3.00Megahertz Intel Platinum IV
Space	- 1GB HDD(Min)
Hard Disk	- 64 GB (Min)
Keyboard	- Standard Windows Keyboard

SOETWARE REQUIREMENT:

Operating System	: Windows 7 and above
Front End language	: HTML, CSS, JavaScript, Bootstrap
Back-End language	: PHP
Database	: MySQL
Front-End Tool	: Visual Studio Code
Back-End Tool	: Visual Studio Code

Flowchart/Algorithm

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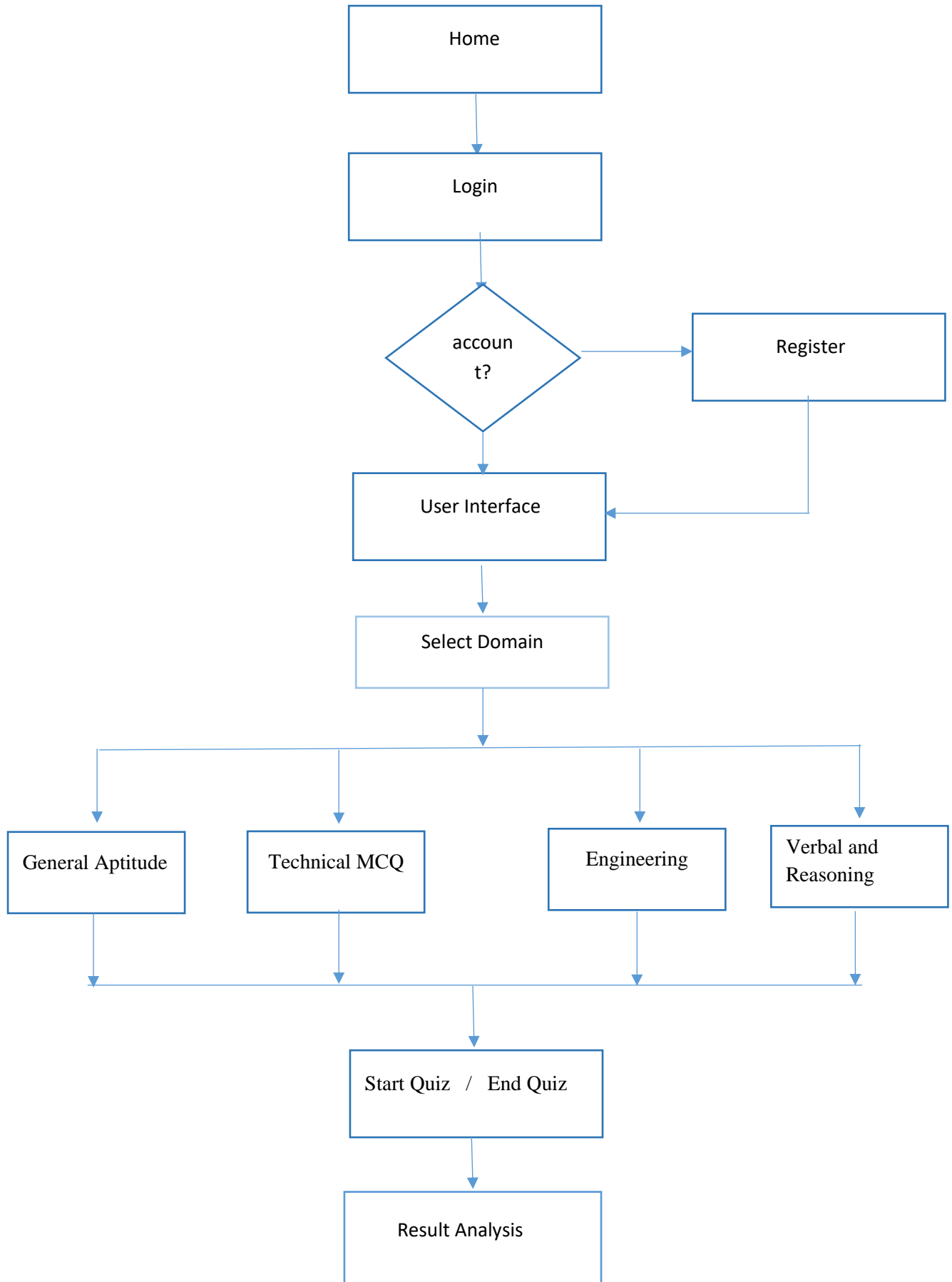
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References:

- ➢ https://ieeexplore.ieee.org/document/10142801

- ➢ **https://www.w3schools.com/**

Signature of Student

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2 Adarsh Rupesh Jadhav.

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4 Pranav Dilip Suryawanshi.

Signature of Guide   **Head of Department**