

Online Advanced Skill Acquisition Program

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Abstract: *Online ASAP is an innovative initiative implemented jointly by the Higher Education, General Education, Labour, and Local Self Government Departments of Kerala. Started in 2011, the program aims to empower the young community of Kerala by providing them with skill training and employment opportunities. This initiative aligns with the Prime Minister's nationwide campaign to skill 50 crore young people by 2023.*

To effectively execute the skill training program, a comprehensive state skills plan is being developed. This plan encompasses the identification of skills required within Kerala, as well as across India and globally. Additionally, it focuses on positioning Kerala as a destination for skills training, attracting students and learners from various regions.

The Online ASAP project comprises several modules to facilitate its objectives. The Admin module enables administrators to manage course details, approve students and teachers, coordinate resources, conduct exams and practical sessions, and issue certificates. The Students module allows for student registration, verification, and participation in online classes with fixed schedules. Students can also post doubts and access practical videos. The Tutors module facilitates tutor registration and verification, ensuring quality instruction through online classes and addressing student queries.

Resource Teachers play a crucial role in coordinating the program, including course and tutor coordination, setting timetables for students, and arranging exams and practical sessions. They also respond to student queries and concerns, ensuring a smooth learning experience.

Recognizing the importance of employment, the Corporate Job Portal module allows employers to register, post job vacancies, view candidates' resumes, and conduct campus placement events. The Job Administrator module empowers administrators to approve corporate accounts and employee profiles, manage qualifications and notifications, and monitor candidate applications and progress throughout the recruitment process.

Through Online ASAP, Kerala is committed to nurturing its young population, equipping them with essential skills, and providing them with employment opportunities. By leveraging technology and collaboration between various departments, the initiative strives to make a significant contribution to the national skill development agenda, fostering economic growth and prosperity for the state and the country as a whole.

Keywords: Online ASAP

I. INTRODUCTION

The Online ASAP (Additional Skill Acquisition Programme) project is an ambitious initiative implemented by the Higher Education, General Education, Labour, and Local Self Government Departments of Kerala. Launched in 2011, the project aims to empower the young community in the state through skill training programs. It aligns with the Prime Minister's initiative to impart skills to 50 crore young people by 2023, reflecting the government's commitment to developing a skilled workforce across the country.

The primary objective of the Online ASAP project is to bridge the skill gap among the youth in Kerala and equip them with the necessary skills for employment and entrepreneurship. By providing focused skill training, the project aims to enhance the employability and socio-economic prospects of the young population.

The project recognizes the need for a comprehensive state skills plan that not only addresses the specific skills required within Kerala but also has a broader impact on skill development across India and even globally. Kerala intends to position itself as a skills training destination, attracting learners not only from within the state but also from other regions.

The project's significance extends beyond Kerala's boundaries, as it aims to provide skill training expertise to other states facing skills deficiencies. By sharing knowledge and best practices, the project strives to contribute to the overall skill development landscape in the country.

With an ambitious target of skilling 1.35 crore youngsters in Kerala by 2022, the Online ASAP project faces the challenge of scaling up its efforts significantly. However, the potential benefits are immense, not only in meeting the skill requirements of Kerala but also in supplying skilled manpower within India and abroad, particularly in West Asia and emerging African countries. The Online ASAP project represents a strategic and collaborative approach to skill development, aiming to empower the young population in Kerala and contribute to the broader national skill development agenda. By leveraging technology and partnerships, the project seeks to create a skilled workforce that can drive economic growth and meet the evolving demands of the job market. There are mainly six modules:

1. Admin
2. Student
1. Tutor
2. Resource Teacher
3. Co-operative job portal
4. Job Administrator

The admin module of the "ONLINE ASAP" project enables the administrator to log in securely and perform tasks. Administrators play a crucial role in approving student and teacher registrations, ensuring the coordination of resource teachers, conducting exams and practical sessions, and issuing certificates upon successful completion of courses. The Student module Fixed schedules are provided for online classes, ensuring that students can access their courses at designated times. Tutor is dedicated to supporting and empowering the registered tutors of the Online ASAP program. For Resource teacher take on the responsibility of overseeing the entire program, including coordinating courses and tutors. Coporative job portal also facilitates campus placement events, allowing employers to connect with potential hires. Job Administrator module administrators provides with the tools to efficiently manage job placements, ensuring a streamlined and effective recruitment process.[5]

II. METHODOLOGY

The proposed system encompasses a multifaceted approach, encompassing database design, geographic information systems, location-based services, web development, user experience design, and data analysis. Database design involves structuring information about students, teachers, cooperative job portal, including their offerings, course details, reviews, and jobs. The Online ASAP system is an online platform designed to empower the young community of Kerala through skill training and employment opportunities. It aims to provide a user-friendly and comprehensive solution for skill development, course management, and job placement. The system brings together administrators, students, tutors, resource teachers, and employers in a collaborative learning and recruitment environment. The web application provides a user-friendly interface to access the information, emphasizing user experience. Data analysis and machine learning refine search results and recommendations based on user interactions.[1]

III. EXISTING AND PROPOSED SYSTEMS

Existing system is a manual one in which users are maintaining books to store the information like course details, job details, student details, tutor details, resource teacher details, employee details and corporate details. It is very difficult to maintain historical data.[2].

The proposed system provides ONLINE ASAP is a software application which avoids more manual hours that needs to spend in record keeping and generating reports. This application keeps the data in a centralized way which is available to all the users simultaneously. It is very easy to manage historical data in data base it is very easy to record the information of online courses and jobs in the databases.

The objective of the ONLINE ASAP is to provide better information for the users of this system for better results for better results for the maintenance in the product details that is sales, purchase and stock..

Advantages of proposed system

- Avoid paper works of each course and job.
- Reduce time and cost.
- Reduce work load of tutors, resource teaches, candidates, corporates.
- Each admin can store their information more securely.

IV. BACKGROUND

Technologies Used:

In the "ONLINE ASAP" project, PHP serves as a scripting language, enabling dynamic content generation and seamless interaction with databases. React, a JavaScript library, is utilized for creating dynamic user interfaces with reusable components and server-side rendering for improved performance. The web application framework Laravel empowers the project with scalability and development efficiency, supported by its modular packaging system and active community [2].

V. CONCLUSION

The "Advanced skill acquisition program " the Online ASAP initiative in Kerala has the potential to make a significant impact on youth empowerment, economic growth, and social development. By equipping the youth with skills and connecting them with employment opportunities, the initiative aims to create a skilled workforce that can contribute to both the state and the nation's progress. Through effective implementation and continuous support, Online ASAP can pave the way for a brighter future for the youth of Kerala.[3]

VI. FUTURE ENHANCEMENT

- **Mobile Application:** Develop a mobile application for Online ASAP to provide users with convenient access to the platform from their smartphones and tablets. This would enable students, tutors, administrators, and employers to easily interact with the system on the go.
- **Advanced Course Management:** Enhance the course management module to include features such as automated course enrollment, personalized course recommendations based on student interests and skills, and advanced analytics to track course performance and effectiveness.
- **Virtual Reality (VR) and Augmented Reality (AR) Integration:** Integrate VR and AR technologies into the learning process to provide immersive and interactive learning experiences. This could involve virtual simulations, virtual labs, and augmented reality overlays for practical training sessions.
- **Gamification:** Incorporate gamification elements into the learning modules to make the process more engaging and interactive. This could include achievement badges, leaderboards, and rewards for completing courses or achieving specific milestones.
- **Machine Learning and AI:** Implement machine learning algorithms and AI capabilities to personalize the learning experience, provide intelligent recommendations, and automate administrative tasks such as course approval and resource allocation.
- **Enhanced Job Matching:** Improve the job portal module by integrating advanced matching algorithms that analyze candidate profiles and job requirements to provide more accurate and relevant job recommendations. This would enhance the chances of successful job placements for students.
- **Social Learning Features:** Introduce social learning features such as discussion forums, peer collaboration tools, and mentorship programs to foster a collaborative and supportive learning environment among students and tutors.

- **Integration with Online Payment Gateways:** Enable secure online payment integration within the platform to facilitate seamless payment transactions for course enrollments, certification fees, and other related transactions.
- **Multilingual Support:** Incorporate multilingual support to cater to a broader user base, allowing users to access the platform in their preferred language.
- **Data Analytics and Reporting:** Implement comprehensive data analytics and reporting capabilities to track user performance, identify areas for improvement, and generate insights for program evaluation and decision-making.[4]

VII. RESULTS AND DISCUSSIONS

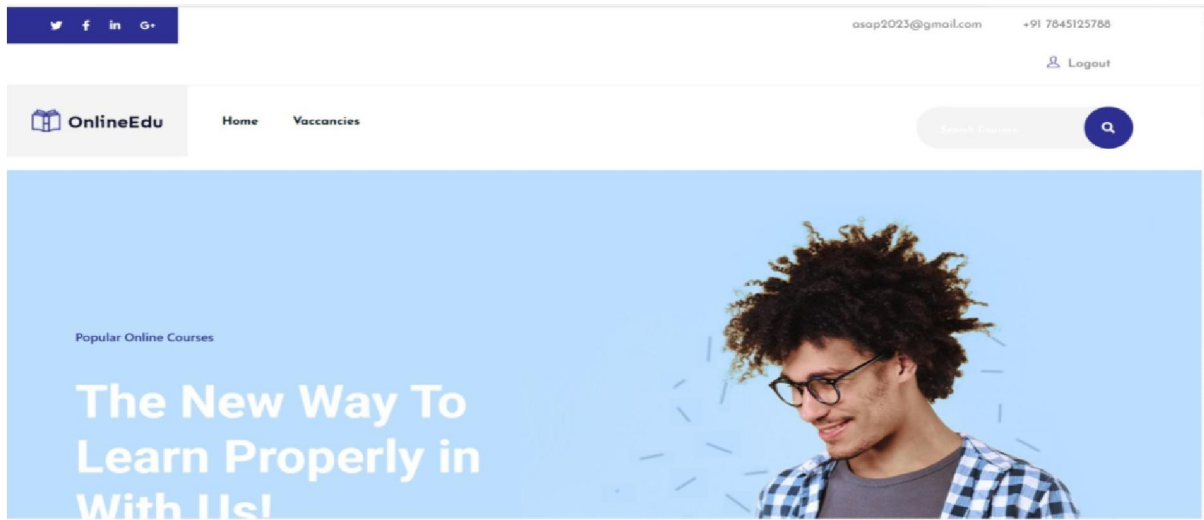


Figure 1: Home Page

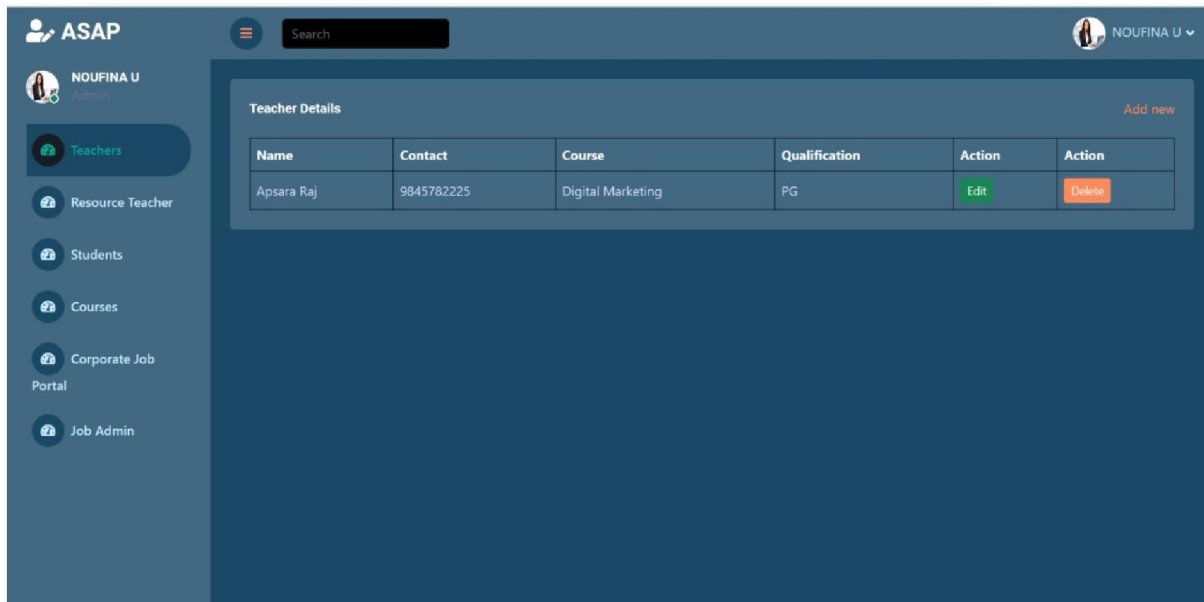


Figure 2: Admin Dashboard Details

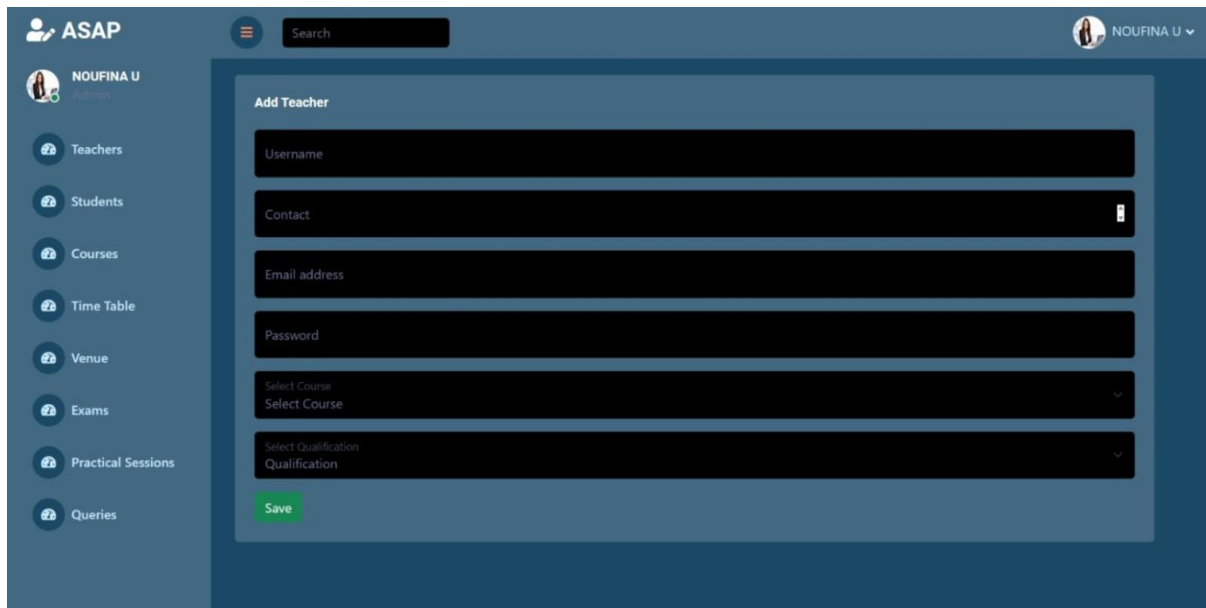


Figure 1: Resource teacher Dashboard

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