International Journal of Creative and Open Research in Engineering and Management
ISSN: **3108-1754 (Online)**
Volume 02 Issue 05 May-2026 | Impact Factor: 3.5

Earnovus: Smart Job Portal with Skill Learning

Guide - Mrs. Reena Karandikar (Asst. Prof. IIST Indore)

Happy Sharma, Mohammad Naved

Computer Science and Engineering, Indore Institute of Science and Technology, Rau, Pithampur Road, Indore, 453331, Madhya Pradesh, India

Abstract*— Job seekers and learners often face problems such as fragmented recruitment systems, lack of personalized learning guidance, delayed application processing, and inefficient career management. To overcome these limitations, this paper presents EARNOVUS, a smart online job portal and skill learning system developed using modern web technologies. The proposed system enables students and professionals to search jobs, access learning resources, certifications, and career opportunities through a centralized digital platform. The system integrates online job applications, AI-based recommendations, course enrollment, progress tracking, and secure authentication features. Earnovus improves accessibility, reduces manual work, and supports modern digital career development. The application is designed using PHP, JWT, MySQL, HTML, CSS and JavaScript technologies.

I. INTRODUCTION

Digital transformation has significantly improved online recruitment systems and skill development platforms. Modern organizations and educational institutions are increasingly adopting smart technologies to automate career management and learning processes.

However, job searching and online learning systems in many platforms still depend on fragmented and traditional methods. Users often experience difficulty finding suitable jobs, accessing relevant learning resources, and tracking career growth efficiently. Recruiters also face challenges related to candidate management, application tracking, and inefficient recruitment processes.

To solve these issues, the proposed system EARNOVUS provides a smart online recruitment and skill learning platform designed for students, professionals, and recruiters. The system allows users to browse jobs, apply online, access learning resources, and track career progress through a web-based application. The main objective of this project is to simplify recruitment and learning operations while improving accessibility, efficiency, and user experience.

II. EXISTING SYSTEM

In the traditional job searching and learning system, users depend on separate platforms to search for jobs and develop skills. Job applications are processed manually, while career tracking and learning management are handled using conventional methods.

Limitations of Existing System -

- Fragmented job searching and learning systems.
- Manual career and application tracking.
- No centralized skill-learning integration.
- Delayed application and recruitment process.
- Limited accessibility and personalization.
- No intelligent recommendation mechanism.
- Increased manual workload for recruiters.
- Poor user convenience and career management.

These limitations create the need for a digital and automated Job Portal along with Skill Learning

III. PROPOSED SYSTEM

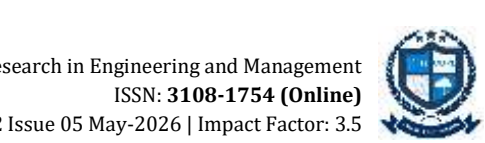
The proposed Earnovus system is a smart web- based Job Portal with Skill Learning for Job Seekers and Students.

The system provides:

- User registration and login.
- Job posting and application management.
- Online course enrollment system.
- AI-based job and course recommendations.
- Application tracking.
- Learning progress management.
- Admin dashboard.
- Notification and authentication system.

The application improves recruitment and learning efficiency while reducing operational complexity.

© 2026 The Author(s). Published by IJCOPE Journal. Website: https://ijcope.org/



IV. PROCESS FLOW

Step 1: User Registration Users create accounts on the platform.

Step 2: Login Authentication Users log into the application securely.

Step 3: Job & Course Browsing Users browse jobs and courses category-wise.

Step 4: Apply / Enroll Users apply for jobs or enroll in courses.

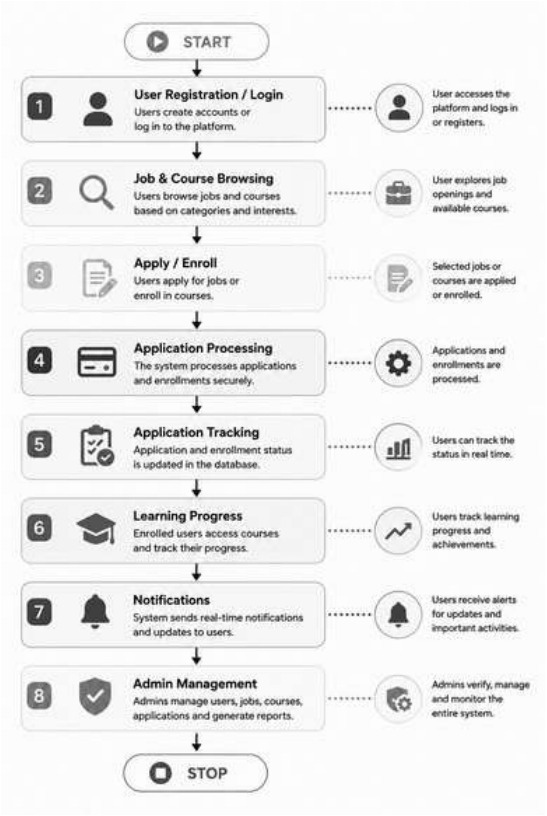
Step 5: Application Processing The system processes applications securely.

Step 6: Application Tracking Application records are updated in the database.

Step 7: Learning Progress Users track courses and certifications.

Step 8: Notifications Users receive important platform updates.

V. FLOW DESIGN



VI. SYSTEM ARCHITECTURE

The Earnovus architecture consists of four major layers.

A. Presentation Layer Handles user interaction through web interfaces.
Technologies:
HTML, CSS, JavaScript.

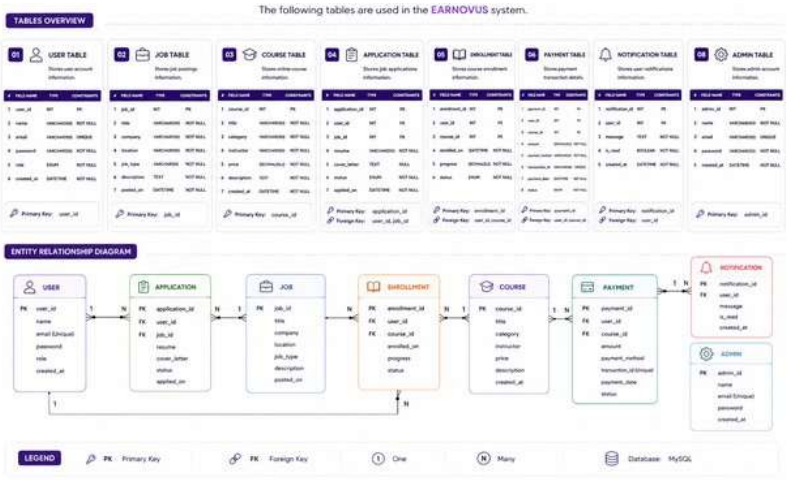
B. Application Layer Processes business logic and backend operations.
Technologies:
PHP, JWT Authentication

C. Database Layer Stores application data.
Database:
MySQL, Database Connectivity.

D. Payment Gateway Layer Processes secure online transactions.
Supported Methods:
UPI, Debit/Credit Cards, Net Banking, Digital Wallets etc.

VII. SYSTEM ARCHITECTURE

VIII. DATABASE DESIGN



VII. MODULES OF THE SYSTEM

A. User Module Features:

- *Registration*
- *Login*
- *Job Search*
- *Course Browsing*
- *Job Application*
- *Course Enrollment*
- *Learning Progress Tracking*

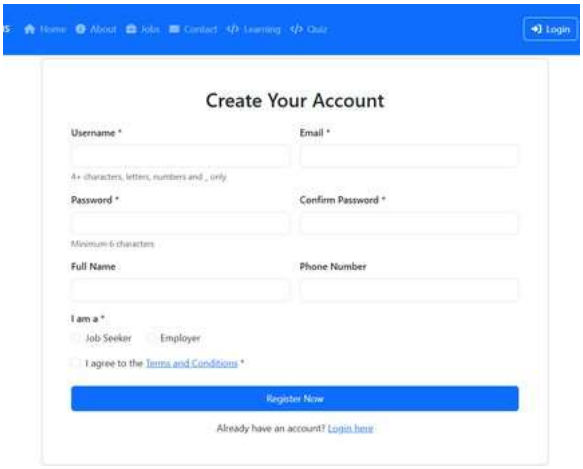
B. Admin Module Features:

- *Job Management*
- *Course Management*
- *User Management*
- *Application Processing*
- *Report Generation*

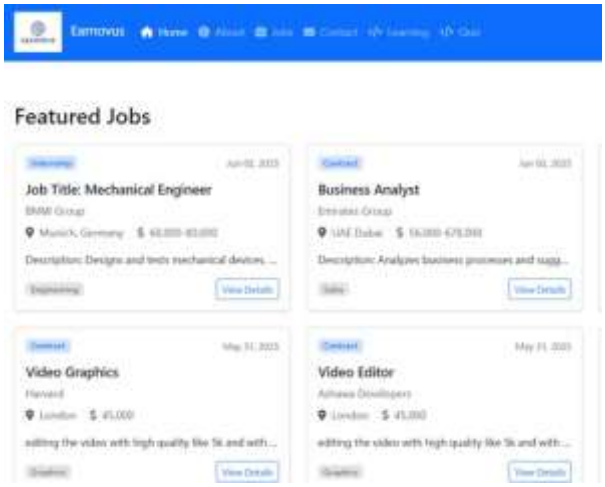
C. Learning Module Features:

- *Course Enrollment*
- *Video Learning*
- *Progress Tracking*

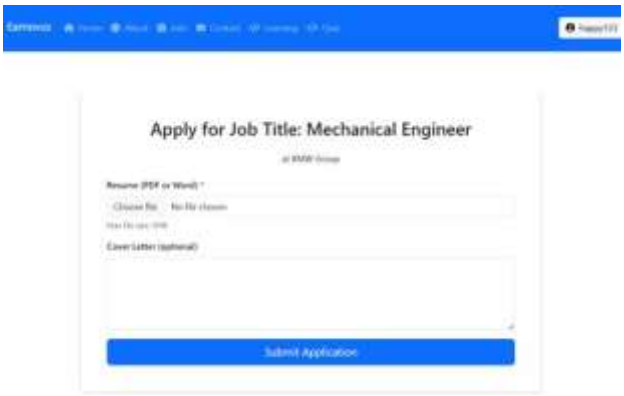
TECHNOLOGIES USED



*First of all the user have to log-in/register as buyer or seller.

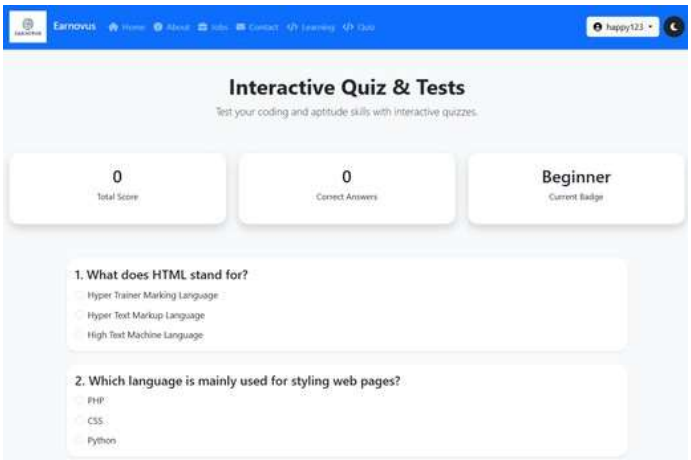


*As a Job seeker can view the Job Openings.



*User can Apply for the jobs by submitting his/her resume and Cover letter

*User can view different courses in Learning Section and can track their progress too



*Users can also give tests and quizzes for Skill Evaluation and Progress Assessment

IX. CONCLUSION

EARNOVUS is an efficient and scalable career development platform designed to simplify online recruitment and skill learning activities. The integration of modern web technologies, secure authentication systems, AI-based recommendations, and online learning features significantly improves user experience and platform efficiency. The system reduces manual work, enhances accessibility, and supports digital transformation in career development and recruitment processes. Earnovus can play an important role in building smart and connected digital learning and employment environments.

X. REFERENCES

[1] E-Commerce: Business, Technology, Society, Pearson Publications.

[2] R. Sharma, "Online Recruitment and Career Development Systems," International Journal of Computer Applications.

[3] A. Kumar, "Web-Based Job Portal and Learning Management Systems," IEEE Conference Proceedings.

[4] PHP Official Documentation

[5] Research Papers on Online Learning and E-Learning Management Systems.

[6] HTML, CSS, JavaScript, Bootstrap, and PHP Development Guides.

[7] Smart Digital Learning and Employment Infrastructure Studies.

[8] Cybersecurity Practices for Web-Based Recruitment Systems.

[9] Research Papers on Learning Analytics and Skill Assessment Systems.

AUTHORS PROFILE

Happy Sharma, 21, A highly motivated and result-oriented engineering graduate with a strong foundation in software development, technical project management, and team collaboration. Skilled in coordinating tasks, optimizing workflows, and leading projects from planning to successful implementation. Passionate about developing innovative technology-driven solutions and leveraging analytical thinking, problem-solving abilities, and strategic planning to deliver efficient, high-quality projects within defined timelines.

Mohammad Naved, 21, A dedicated and highly motivated engineering graduate with strong technical knowledge and a keen interest in innovation and problem-solving. Skilled in managing tasks, improving system efficiency, and working collaboratively in dynamic environments. Aspiring to contribute to impactful projects while continuously enhancing technical and professional expertise.