



International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)

(A Monthly, Peer Reviewed, Refereed, Scholarly Indexed, Open Access Journal)



Impact Factor: 8.699

Volume 14, Issue 10, October 2025

Survey Report on Video Production Shoot Management System

M.M.Mali¹, Sarthak Javheri², Mayur Karpe³, Abhinav Salve⁴, Anuj Shinde²

Department of Information Technology Engineering, Pimpri Chinchwad Education Trust's Pimpri Chinchwad

Polytechnic, Pradhikaran, Nigdi, Pune, India¹⁻⁵

ABSTRACT: In the media production industry, managing video shoots, quotations, and profit records manually is time-consuming and prone to error. The Video Production Shoot Management System is a web-based platform developed to automate and simplify this workflow. It includes modules for shoot scheduling, location tracking, quotation generation, and profit analysis. The system enables production teams to handle multiple projects efficiently by centralizing all operations in a single dashboard. The platform is implemented using PHP, MySQL, HTML, CSS, and JavaScript. Experimental testing shows that the system improves time management and enhances accuracy in financial tracking for small and medium-scale production houses.

KEYWORDS: Video production, shoot scheduling, quotation generator, profit analysis, web application.

I. INTRODUCTION

In the modern digital era, video and photography play a vital role in communication, marketing, and entertainment. Managing multiple shoots, client details, and financial records manually can lead to errors, miscommunication, and scheduling conflicts. The proposed Video Production Shoot Management System (VPSMS) automates these processes through a unified online platform that allows users to manage projects, schedule shoots, and analyze profits efficiently. The system aims to streamline the workflow of video production teams by reducing dependency on manual documentation. It assists freelancers, studios, and event management companies by simplifying the process of scheduling shoots, generating quotations, maintaining expense records, and tracking overall profits.

The remainder of this paper is organized as follows: Section II presents a literature survey of related systems. Section III describes the proposed methodology and system architecture. Section IV discusses experimental results and analysis. Section V provides the conclusion and possible future scope.

II. LITERATURE REVIEW

Project management and financial tracking systems have been studied across various domains. Existing systems such as Trello and Notion provide task management capabilities but lack financial integration for quotation and profit tracking. Luke Welling and Laura Thomson [1] explained the importance of integrating MySQL databases in PHP-based applications for efficient data storage. Bootstrap and JavaScript-based front-end systems [2] have been widely used for building interactive web applications.

However, there is a gap in the availability of specialized tools for media professionals. Existing event management software tends to focus on large-scale logistics, ignoring the needs of smaller video production teams. This project bridges that gap by integrating scheduling, quotation, and profit analysis into one cost-effective solution.

III. PROPOSED METHODOLOGY

The system architecture is based on a three-tier design comprising presentation, application, and database layers.

A. System Architecture

The Presentation Layer provides the user interface using HTML, CSS, and Bootstrap.

The Application Layer is developed in PHP, which handles validation, data processing, and business logic.

The Database Layer is built in MySQL to store client details, shoot information, expenses, and quotations.



Fig. 1 illustrates the overall architecture of the system.

Fig.1. System Architecture of Video Production Shoot Management System

B. Modules

The major modules of the system include:

Login Module – Provides secure access for authorized users.

Shoot Scheduler – Enables users to plan and manage shoot dates and locations.

Quotation Generator – Automatically generates client quotations in PDF format.

Expense Tracker – Records collaborator and vendor payments.

Profit Analyzer – Calculates profit margins and provides monthly reports.

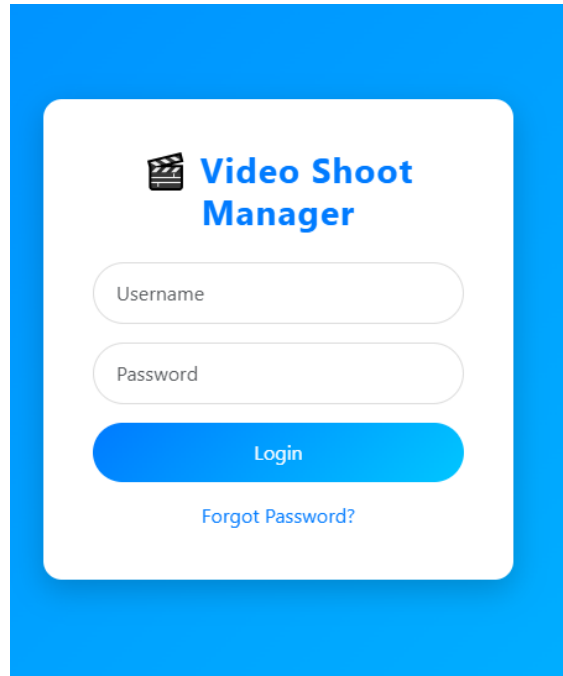
Reports Module – Displays financial summaries for daily, monthly, and yearly periods.

Tool	Purpose
HTML5, CSS3, Bootstrap	Front-end design
PHP	Server-side processing
MySQL	Database management
JavaScript	Dynamic client-side scripting
XAMPP	Local server testing
TCPDF	PDF generation for quotations
VS Code	Development environment

IV. EXPERIMENTAL RESULTS

The developed Video Production Shoot Management System was tested for multiple use cases such as shoot scheduling, quotation generation, and profit analysis.

Figures show the outputs of different modules.



The login page features a blue background with a white central card. The card contains the title 'Video Shoot Manager' with a clapperboard icon. Below the title are two input fields for 'Username' and 'Password', followed by a blue 'Login' button and a 'Forgot Password?' link.

Fig 1 :- Login Page

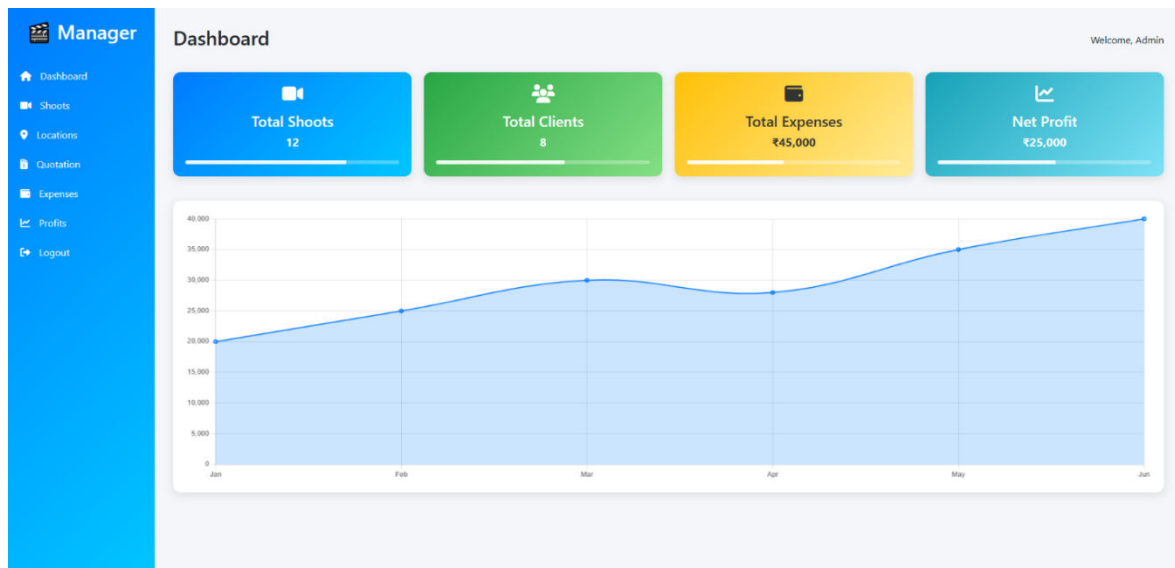


Fig 2:- Dashboard Page

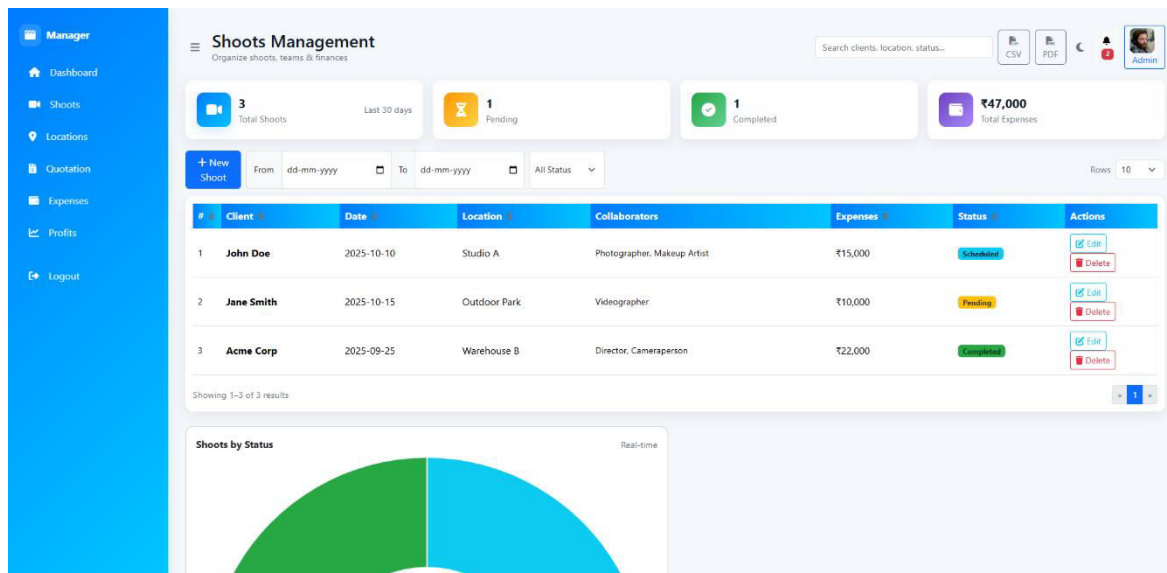


Fig 3:- Shoot Management Page

The system successfully automated record-keeping tasks, reduced manual errors, and improved scheduling efficiency. Quotation generation time was reduced from 10–15 minutes to under one minute. Testing confirmed smooth operation across browsers like Chrome and Edge.

V. CONCLUSION AND FUTURE SCOPE

The On-Demand Electronics Repair Service Management System offers a proposed solution to the common challenges faced in electronics repair services. The system incorporates a role-based dual interface in a single mobile application, ensures technician verification, allows photo-based repair requests, and enables payment only after confirmation.

Future enhancements include backend integration and real-time testing, AI-based predictive maintenance suggestions, a chatbot for instant troubleshooting support, multi-payment gateway integration, and an analytics dashboard with multi-language support. This proposed platform demonstrates a scalable, user-friendly, and efficient solution for managing electronics repair services in an on-demand framework.

REFERENCES

1. S. Kumar, A. Singh, and P. Sharma, "IoT-Enabled Service Automation in Urban Areas," *IEEE Access*, vol. 8, pp. 145672–145683, 2020.
2. P. Sharma and R. Gupta, "A Study on On-Demand Service Platforms," *International Journal of Computer Applications*, vol. 183, no. 25, pp. 1–8, 2021.
3. Google Developers, "Flutter Documentation," [Online]. Available: <https://flutter.dev>
4. MongoDB Inc., "MongoDB Atlas Overview," [Online]. Available: <https://www.mongodb.com/cloud/atlas>
5. K. Verma and M. Patel, "Design and Implementation of On-Demand Service Mobile Application," *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, vol. 9, no. 2, pp. 54–61, 2020.
6. M. Joshi, "Mobile-Based Electronics Repair Service Management System," *Journal of Mobile Computing*, vol. 12, pp. 23–31, 2021.



INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA



INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN SCIENCE | ENGINEERING | TECHNOLOGY

 9940 572 462  6381 907 438  ijirset@gmail.com



www.ijirset.com

Scan to save the contact details