ISSN 2277-2685
IJESR/April-June. 2025/ Vol-15/Issue-2s/1535-1543
G Spurthy *et. al.*, / International Journal of Engineering & Science Research

EVENT-EASE

Dr B Raveendranadh Singh, G Spurthy, [2]G Sravani
[1] HOD, Department Of Cse, Bhoj Reddy Engineering College For Women, India.
[2,3]B. Tech Students, Department Of Cse, Bhoj Reddy Engineering College For Women, India.

ABSTRACT

Event planning has become an essential part of both personal and professional life. Whether it is a birthday celebration, wedding, corporate meeting, or community gathering, organizing an event requires proper coordination of multiple services like decoration, catering, photography, music, lighting, and more. However, the process of finding and booking trusted service providers, ensuring quality, comparing prices, and managing communication often becomes a complicated and time-consuming task. This complexity increases when users have to visit multiple platforms or physically meet vendors to make arrangements.

To address these challenges, ***Event-Ease*** *has been developed as a comprehensive event management web application. It is a centralized platform that connects users with a wide range of event-related service providers. The application serves as a digital marketplace where service providers can list their offerings and users can browse, compare, and book services based on their location, budget, ratings, and reviews.*

The key objective of Event-Ease is to ***eliminate the need for middlemen or event planners****, thereby empowering users with direct access to vendors. The platform supports personalized experiences by allowing users to customize their event services according to their unique preferences. It enhances transparency by offering detailed vendor profiles, real-time feedback, portfolio displays, and user interaction mechanisms.*

The system is designed to be scalable and secure. With robust authentication mechanisms, encrypted data handling, and a responsive user interface, Event-Ease ensures both usability and privacy. It is built using modern web technologies including ***HTML, CSS, JavaScript for the front-end****, and* ***Python/PHP with MySQL*** *for the backend and database. The architecture of the application is carefully designed to support modular development, easy maintenance, and performance efficiency.*

1-INTRODUCTION

In the modern era, organizing an event has evolved from a simple task to a complex process that requires managing multiple services, strict timelines, and customer expectations. Whether it's a wedding, birthday celebration, or a professional seminar, successful execution depends heavily on proper planning, coordination, and real-time decision-making. Traditionally, people relied on event managers or multiple individual vendors to arrange services like catering, decoration, photography, and music. This method often resulted in higher costs, miscommunication, limited choices, and time-consuming procedures.

The need for a digital solution became evident with the growing demand for convenience, transparency, and user control in event management. To overcome the shortcomings of the traditional and semi-digital systems, **Event-Ease** was conceptualized and developed. It is a user-friendly and fully integrated web application that acts as a bridge between customers and event service providers. By bringing all essential services under one roof, Event-Ease ensures that users can effortlessly browse, compare, and book services based on their preferences,

location, and budget. It offers a unified experience for customers and a promotional platform for service providers.

What sets Event-Ease apart is its customizable and decentralized approach. It empowers users to plan events exactly how they envision them, without relying on intermediaries. The platform ensures better service quality through customer reviews and ratings, and allows direct communication between users and vendors. With modules for different user roles, a well-structured database, secure login systems, and interactive features, Event-Ease stands as a powerful tool in reshaping how events are planned and executed in the digital age.

Existing System

Currently, event planning typically involves hiring an event manager who coordinates all the required services within a given budget.

This traditional approach limits the choices available to users and often involves additional costs for the event manager's services.

Users have limited visibility into the work quality and options of various service providers.

Proposed System

The proposed system, Event-Ease, is a user-friendly web application designed to simplify event management by integrating all essential services into one platform. It connects customers directly with service providers, enabling easy browsing, comparison, and booking based on preferences and budget. The system offers customizable event planning without intermediaries, ensuring transparency and control. It features secure login, role-based access, and real-time communication between users and vendors. Customer reviews and ratings help maintain service quality. Event-Ease aims to streamline event organization, reducing costs, miscommunication, and time consumption.

2 REQUIREMENT ANALYSIS

This module is designed for users who want to plan and manage events through the platform.

- **Account Management:**
  - Register a new account.
  - Login securely to the platform.
  - Edit personal profile and event preferences.
  - Logout securely.
- **Event Planning and Service Booking:**
  - Browse and search event services like catering, decoration, photography, and entertainment.
  - Compare service providers based on ratings, prices, and packages.
  - Book and schedule services for selected dates and times.
- **Communication and Feedback:**
  - Communicate directly with service providers via messaging.
  - Provide ratings and reviews for completed services.
  - Save favorite vendors for future events.

Service Management:

- Add, update, or remove service offerings with descriptions, prices, and images.
- Manage booking requests and confirm appointments.
- View customer messages and respond promptly.

- **Performance Tracking:**
  - Access customer feedback and ratings.
  - Monitor service popularity and booking history.

Admin Module

This module maintains overall platform operations and standards.

- **Account Management:**
  - Secure admin login to access the dashboard.
  - Manage user and vendor accounts (create, update, deactivate).
- **Content and Service Moderation:**
  - Review vendor listings and customer reviews for compliance.
  - Handle flagged or inappropriate content promptly.

- **System Maintenance:**
  - Monitor platform performance and uptime.
  - Logout securely after administrative tasks.

Non-Functional Requirements

Performance

- The platform should have fast response times, even with high user traffic.
- Support scaling to handle increasing numbers of users, services, and bookings smoothly.

Security

- Implement strong authentication, including two-factor authentication (2FA).
- Regular security audits and vulnerability testing to prevent breaches.

Availability

- Ensure 99.9% uptime with load balancing and server redundancy.
- Include disaster recovery and automatic failover systems.

2.2.4

Software Requirements

- **Operating System:** Windows 10 / Linux / macOS
- **Front-end Technologies:** HTML, CSS, JavaScript (React or Vue.js optional)
- **Back-end Framework:** Django (Python)
- **Database:** PostgreSQL or SQLite (for development)

Hardware Requirements

- **Processor:** Intel i5 or equivalent
- **RAM:** 8 GB or higher
- **Storage:** 500 GB HDD or SSD

3-DESIGN

Project architecture represents number of components we are using as a part of our project and the flow of request processing i.e. what components in processing the request and in which order. An architecture description is a formal description and representation of a system organized in a way that supports reasoning about the structure of the system.

Software Architecture

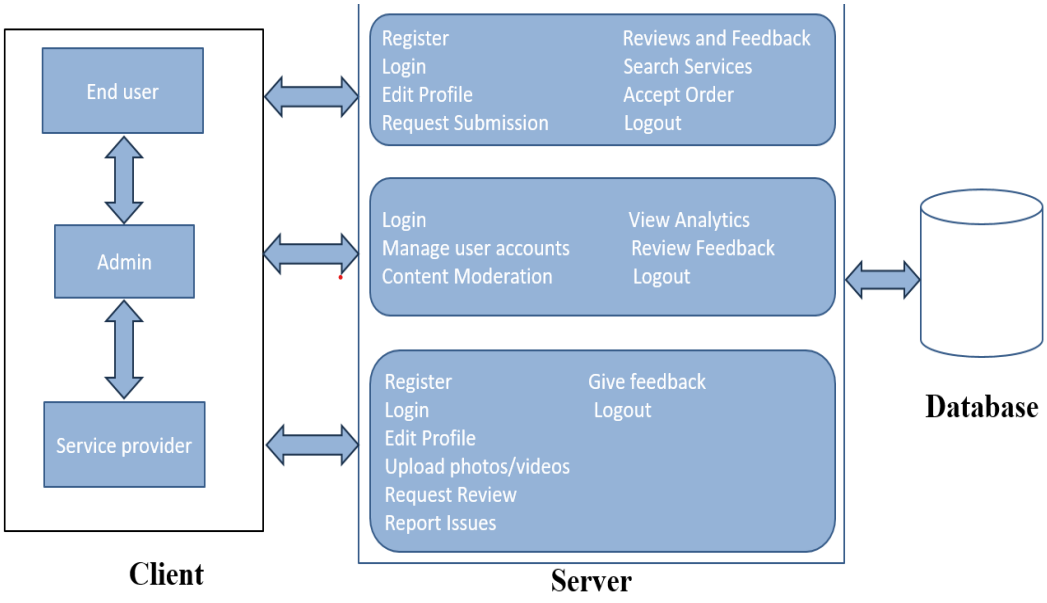


Fig.no: 3.1 Software Architecture

Technical Architecture

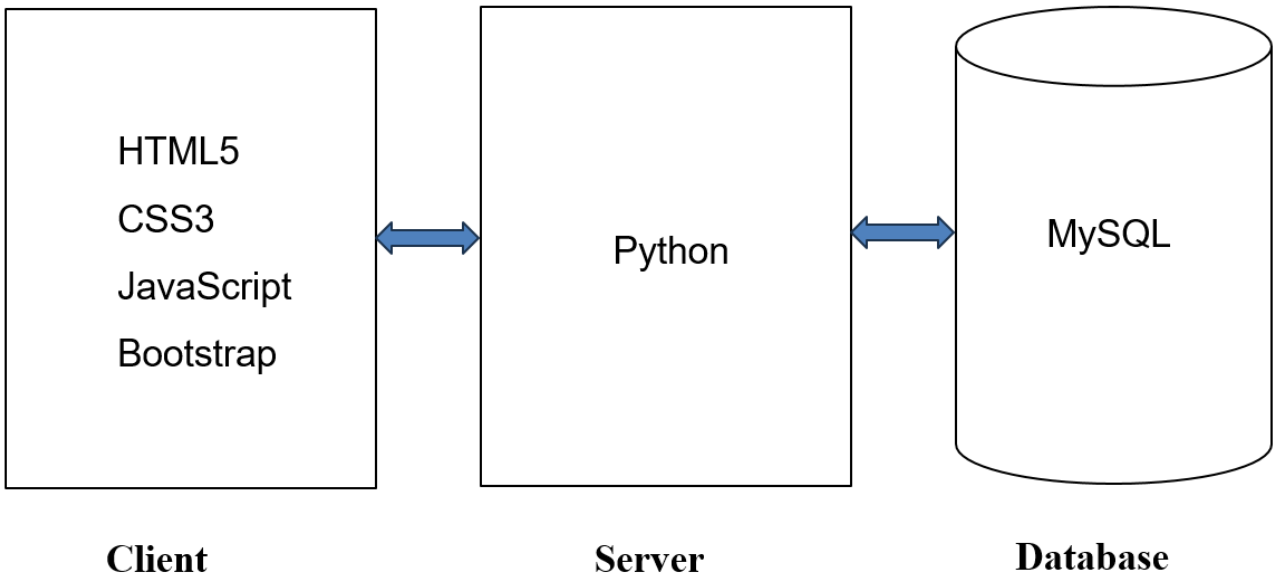


Fig 3.2 Technical Architecture

4. IMPLEMENTATION

HTML5:

- Structures the web pages using semantic tags like <header>, <nav>, and <section> for clear content organization.
- Ensures accessibility and SEO-friendly markup.
- Enables cross-browser compatibility for consistent rendering on all major browsers.

CSS3:

- Styles the application with modern layouts, colors, fonts, and animations to enhance visual appeal.
- Implements responsive design using Flexbox, Grid, and media queries, supporting desktop, tablet, and mobile views.
- Incorporates smooth transitions and effects to improve user experience.

JavaScript (optional frameworks like React or Vue.js):

- Adds interactivity such as dynamic form validation, real-time messaging, and booking confirmations.
- Enables asynchronous calls to backend APIs for smooth user interactions without full page reloads.

.Django Framework (Python-based):

- Provides a fast, secure, and scalable foundation for the platform.
- Features an ORM for efficient database interaction with SQLite or other relational databases.
- Built-in authentication system handles registration, login, role-based permissions (customer, vendor, admin).
- Utilizes the Model-View-Template (MVT) architecture:
  - **Model:** Defines data structures and relationships.
  - **View:** Processes user requests and controls logic.
  - **Template:** Renders dynamic HTML pages.

- **REST API (optional):**
  - Facilitates communication between frontend and backend via JSON endpoints, enabling modularity and future mobile app integration.

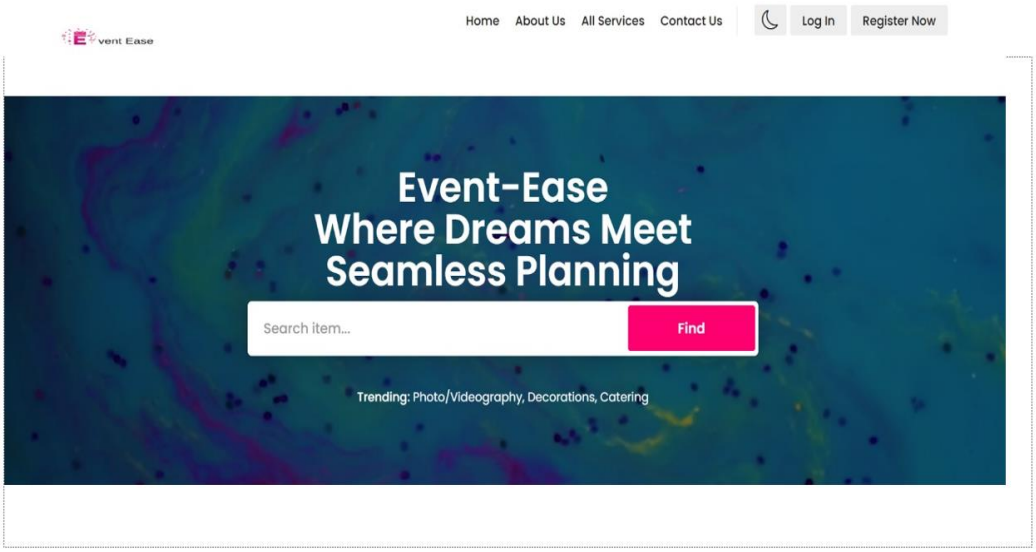
SQLite:

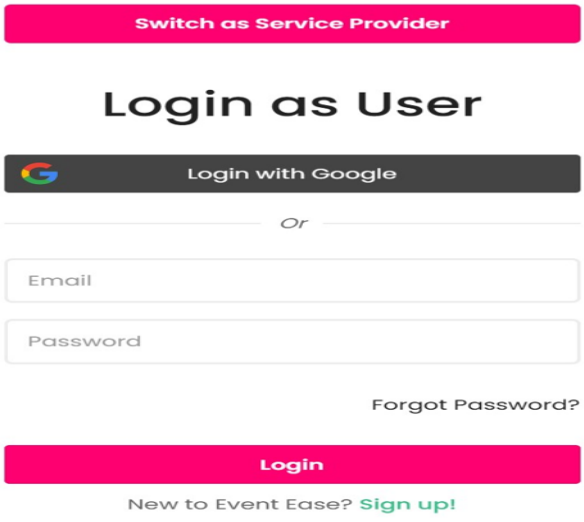
- Lightweight and easy to configure for initial development and testing phases.
- Stores data locally in a file, supporting standard SQL operations for data management.

- Can be upgraded to PostgreSQL or MySQL for higher traffic and scalability needs.

5. SCREENSHOTS

Home page





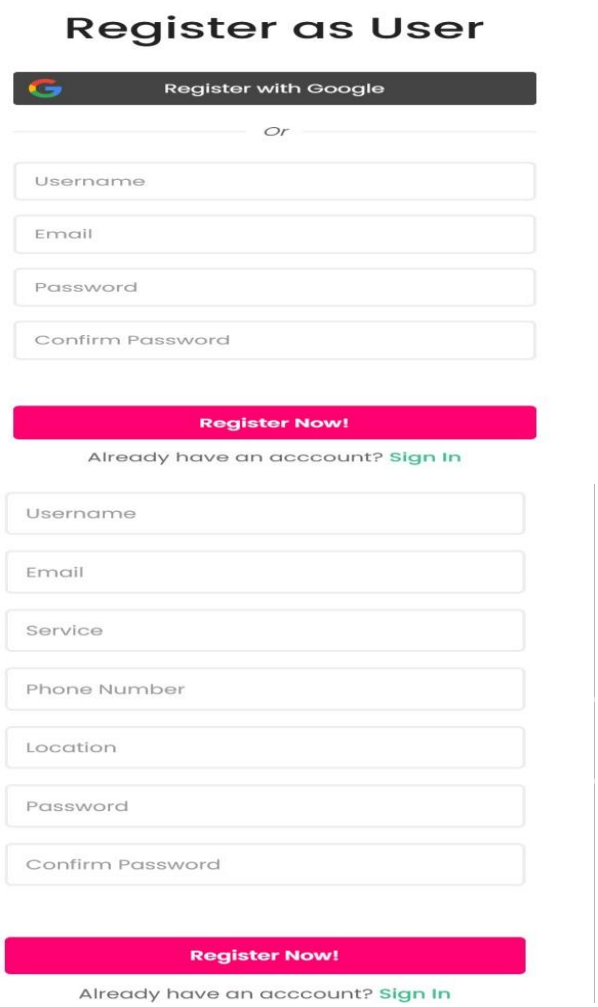
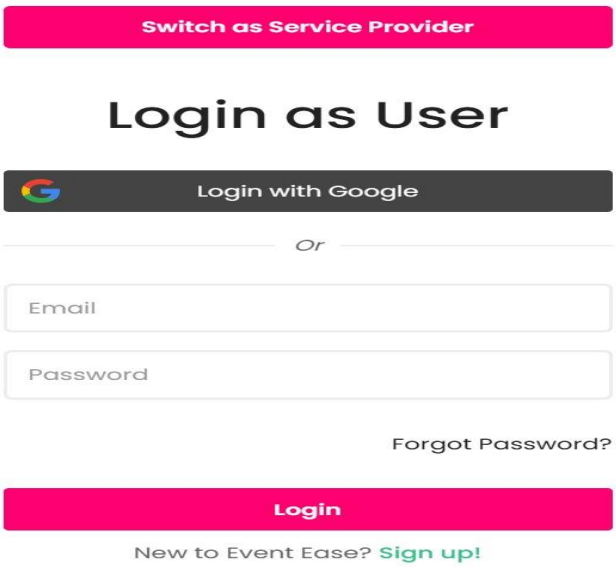


Fig 3 User Login Page



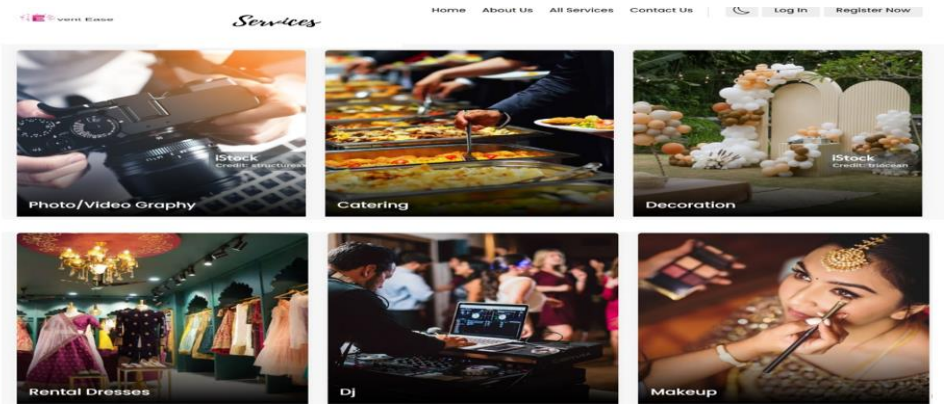


Fig 5 Post

Service Providers

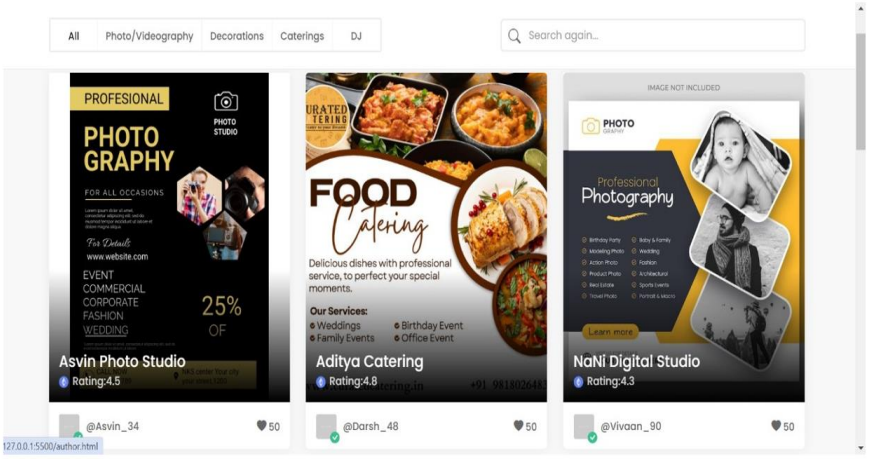
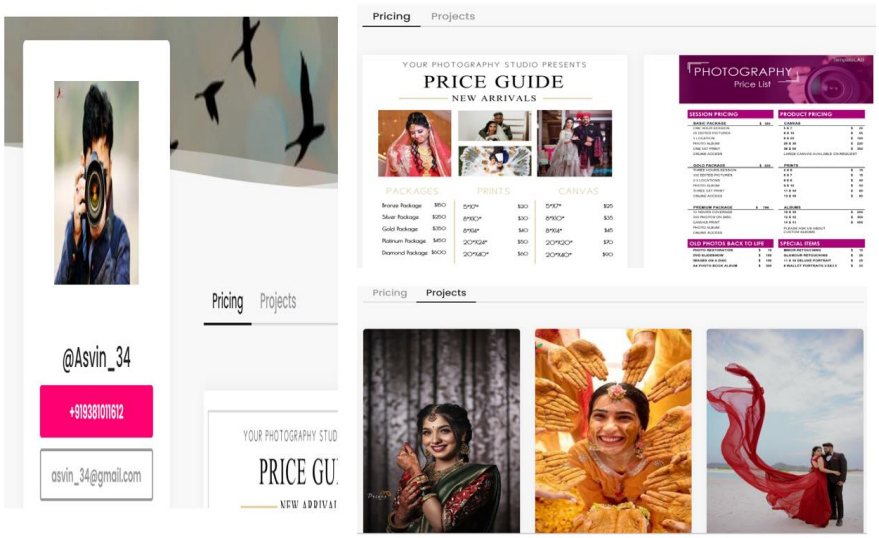


Fig 6.6 Report Post

User View Profile



User view Edit Profile

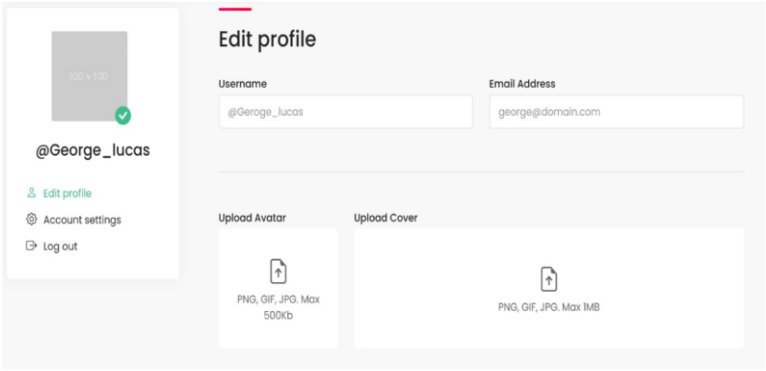


Fig 7 Create New Post

6-CONCLUSION

The EventEase platform offers a comprehensive and user-friendly solution for seamless event planning and management. It bridges the gap between customers and local vendors by providing a centralized space to explore, compare, and book various services such as photography, makeup, decoration, catering, and more. The integration of modern web technologies such as Django, HTML5, CSS3, and SQLite ensures a smooth and responsive user experience while maintaining robust backend operations. Features like profile management, real-time messaging, saved events, and discussions enrich the platform's functionality, making it both dynamic and practical. Through effective user authentication, event management, and communication tools, *EventEase* has successfully laid the groundwork for an efficient, scalable event management ecosystem.

REFERENCES

[1]Cristian CIUREA, "Implementing an Encryption Algorithm in Collaborative Multi cash Service desk Application", Open Source Science Journal, Vol. 2, No. 3, 2010.

[2] Fauzan Saeed, Mustafa Rashid, "Integrating Classical Encryption with Modern Technique", IJCSNS International Journal of Computer Science

[3] Kullaprapa Navanugraha, Pornanong Pongpaibool, Chalee Vorakulpipat, Nuttapong Sanglerdsinlapachai, Nutvadee Wongtosrad, Siwaruk Siwamogsatham, “The Deployment ofthe Auto-ID System in a Conference”, PICMET, IEEE, pp.1-7, 2010 ‘

[4]Cristian CIUREA, "Implementing an Encryption Algorithm in Collaborative Multi cash Service desk Application", Open Source Science Journal, Vol. 2, No. 3, 2010.

[5]Fauzan Saeed, Mustafa Rashid, "Integrating Classical Encryption with Modern Technique", IJCSNS International Journal of Computer Science and

[6]Kullaprapa Navanugraha, Pornanong Pongpaibool, Chalee Vorakulpipat, Nuttapong Sanglerdsinlapachai, Nutvadee Wongtosrad, Siwaruk Siwamogsatham, “The Deployment ofthe Auto-ID System in a Conference”, PICMET, IEEE, pp.1-7, 2010

[7]L. McCathie and K. Michael, “Is it the End of Barcodes in Supply Chain Management?”, Proceedings of the Collaborative Electronic Commerce Technology and Research Conference LatAm, 2005

[8]Lung-Chuang Wang, “Enhancing construction

quality inspection andmana gementusing RFID technology", Journal Automation in Construction, Elsevier, pp. 468-469, 2008

[9] Paul M. Swamidass, "Bar Code Users and Their Performance", White Paper, UNOVA Inc., 1998

[10] Roozbeh Derakhshan, Maria E. Orlowska and Xue Li, "RFID Data Management:Challenges and Opportunities", IEEE International Conference on RFID, 2007

[11] Zebra Technologies, "It"s All In The Wrist: Improving Patient Safety With BarcodeWristbands", White Paper, Zebra Technologies, 2013