

PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY

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SYSTEMS**

**IMPLEMENTATION OF A SMART APPROVAL SYSTEM
TO ENHANCE BUSINESS STARTUP PROCESSES**

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ABSTRACT

- The process of starting a business involves multiple stages, including approvals from various government and regulatory bodies.
- These processes are often time-consuming, fragmented, and prone to inefficiencies due to manual interventions and lack of integration between systems.
- A Smart Approval System can revolutionize the business startup process by automating and streamlining approvals, reducing delays, and improving transparency.
- This system leverages technologies such as AI, blockchain, and cloud computing to create a unified platform where entrepreneurs can submit documents, track approval statuses, and receive real-time updates.
- The system ensures data security, interoperability, and compliance with regulatory requirements.

PROBLEM STATEMENT

- Approvals are handled by multiple departments, often with no integration between systems.
- Paper-based submissions and manual verifications lead to delays and errors.
- Entrepreneurs often face difficulties in tracking the status of their applications.
- Redundant paperwork and repetitive submissions increase the administrative burden.
- Navigating through various regulatory requirements can be daunting for new entrepreneurs.
- A Smart Approval System is needed to address these challenges by providing a unified, automated, and transparent platform for business startup approvals.

INTRODUCTION

- Starting a business is a critical driver of economic growth, but the current approval processes are often cumbersome and inefficient.
- Entrepreneurs face significant delays due to fragmented systems, manual processes, and lack of transparency.
- A Smart Approval System integrates all necessary approval processes into a single platform, enabling entrepreneurs to submit documents, track progress, and receive approvals in a timely manner.
- By leveraging advanced technologies such as AI, blockchain, and cloud computing, the system ensures data security, interoperability, and compliance with regulatory standards.
- This system not only reduces the time and effort required for business startups but also enhances transparency and accountability in the approval process.

OBJECTIVES

- Automate and integrate approval processes across multiple departments to reduce delays and inefficiencies.
- Provide real-time tracking of application statuses to ensure transparency and accountability.
- Minimize paperwork and repetitive submissions through a unified digital platform.
- Automate regulatory checks to ensure compliance with all legal and regulatory requirements.
- Offer a user-friendly interface for entrepreneurs to submit documents, track progress, and receive approvals.
- Utilize AI, blockchain, and cloud computing to ensure data security, interoperability, and scalability.

LITERATURE SURVEY

SNO	Title	Author	Year	Advantages	Disadvantages
1.	The Smart Application Approval Feasibility of Potential Customers Based on Decision Support System	Sugianto Eko Cahyono; Nabila Zoraidha Damayanti; Aldino Syaman; Dina Fitria Murad; Nora Fitriawati	2021	Streamlines customer approval processes, improving decision-making efficiency.	Relies heavily on data quality, which can impact decision accuracy.
2.	Research and Application of Smart Government Approval Based on Blockchain	Chunyan Guo; Jie Sun	2022	Enhances transparency and security in government approval processes using blockchain.	Blockchain implementation can be costly and require significant infrastructure changes.

Literature Survey

SNO	Title	Author	Year	Advantages	Disadvantages
3.	A Centralized Data Validation System Model for Healthcare Systems Based on Blockchain	Grace Simpson; Laurent Nana; Quist-Aphetsi Kester	2021	Ensures secure, tamper-proof data validation and sharing in healthcare systems.	Scalability issues and high transaction costs may arise with blockchain adoption.
4.	IOT Based Contactless Visitor Approval and Parcel Sanitization System For COVID -19	Saloni Sanjeev Koshe; Shreyas Neeraj Khandekar; K. C. Sriharipriya; R. Sujatha; G. Sumathi	2022	Enhances safety by automating visitor approval and sanitizing parcels without physical contact.	Relies on continuous power and internet connectivity, which may cause disruptions.

EXISTING SYSTEM

- Existing systems for business startup approvals often involve fragmented, manual processes across various regulatory bodies, leading to inefficiencies and delays.
- Current systems rely heavily on manual submissions and verifications, leading to delays and errors.
- Approvals are handled by multiple departments with no integration, causing inefficiencies.
- Entrepreneurs often face difficulties in tracking the status of their applications.
- Redundant paperwork increases the administrative burden and risk of data loss..

DISADVANTAGES

- Manual processes lead to significant delays in approvals.
- Manual data entry increases the risk of errors.
- Entrepreneurs have limited visibility into the approval process.
- Government agencies spend excessive time on manual verifications.
- Entrepreneurs face difficulties in navigating complex approval processes.

PROPOSED SYSTEM

- A single platform for submitting documents, tracking approvals, and receiving updates.
- AI-driven workflows automate document verification and approval processes.
- Entrepreneurs can track the status of their applications in real-time.
- Blockchain ensures data security, transparency, and immutability.
- Cloud computing enables secure storage and easy access to documents.
- Automated regulatory checks ensure compliance with all legal requirements.
- A simple and intuitive interface for entrepreneurs to navigate the approval process.

ADVANTAGES

- Automated processes reduce the time required for approvals.
- Real-time tracking ensures transparency and accountability.
- Minimized paperwork and repetitive submissions.
- Automated regulatory checks ensure compliance with all legal requirements.
- A user-friendly interface simplifies the approval process for entrepreneurs.
- Blockchain and cloud computing ensure data security and integrity.

CONCLUSION

- The Smart Approval System offers a transformative solution to the challenges faced in the business startup approval process.
- By automating and streamlining approvals, the system reduces delays, enhances transparency, and improves compliance.
- This solution not only benefits entrepreneurs by reducing the time and effort required to start a business but also supports government agencies in optimizing resource utilization and improving service delivery.
- By fostering a more efficient and transparent approval process, the Smart Approval System aims to drive entrepreneurship, innovation, and economic growth.

REFERENCE

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THANK YOU