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Research on Financial Budget Management System

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ABSTRACT: People have altered several old methods of functioning through message technique because to the unrestricted expansion of communication and computer technology, which has greatly increased social and economic efficiency. The computer can handle the financial calculation duties of a fund administrator because of its strong dependability, quick calculation speed, and high calculation accuracy. A financial budget is an essential instrument that managers can use to plan, organize, regulate, and assess their financial performance. One crucial issue that businesses must deal with is routine budget control. Real-time cost budget control is made easier by the electronic computer local area network; the preset report and accounting processing application help account for the budget control based on the local area network environment. This study uses the particle swarm algorithm, which has significant advantages when handling complicated problems, particularly those with several peaks. It can reach the global optimal value more quickly than the genetic algorithm and is essentially unaffected by an increase in the The advent of the contemporary budget administer system eliminates the outdated and ineffective budget administer methods while utilizing the full capabilities of contemporary computers, resulting in a significant increase in administer efficiency [9]. The current economy's rapid expansion has increased demand for budgetary constraints. Financial administration using databases has become commonplace. Financial software in China, including Kingdee, UFIDA, and other similar programs. All levels of government, as well as small business managers, are keen to establish norms that will control financial administration.

KEYWORDS: financial budget, administer system

I. INTRODUCTION

The use of computers has grown in popularity due to the current rapid expansion of messaging techniques and the unwavering innovation in the computer field. The direction of computer application has also started to shift from traditional big data processing to a new type of large-scale transactional operations and efficient workflow administration [1]. None of us are unfamiliar with budgets. The modern era gave rise to the phrase budget. The relationship between finance and the economy has gotten stronger as the economy has grown. With the growth of the economy, budget revenue and expenditure have also been thrust to the forefront of change as an essential component of fiscal activity [2]. The financial department of the government's statement, given the quick expansion of my country's economy, is growing daily, and the data processing duty in the finance bureau's daily operations is getting harder and harder. The methods and techniques of message processing that just use office software and conventional manual labor have fallen far behind, and their flaws have been made clear. worn out. In this context, the financial budget administer system's expand demand is continuously rising in order to realize the specification of large-scale transactional operations and realize the refined administer of workflow, with the database administer system serving as the expand environment and the server as the core [3]. The status quo is one of the main negative factors preventing the goal expansion of businesses and projects in and of themselves. "Living within one's means" reflects more of a cultural philosophy and of people; the self-restraining effect of funds on people's behavior; if not foreseen, it will be abandoned" provides a behavioral rule for people's social life[4]. "Revenue to meet expenditure and balance of income and expenditure" means people's idea of balancing budget. It is becoming more and more important for businesses and institutions to figure out how to use the technology and methods already in place to manage their own messages, publish messages in a flexible manner, and create their own message platforms in a flexible way [5].

II. RELATED WORK

The need for sophisticated financial accounting and precise financial data keeps rising as social and economic spheres grow to a certain degree. The departmental budget message system ought to make data selection and querying easier, according to the present trend in departmental budget informatization. The message is sent simultaneously throughout the system's departments and offices, and it has to be aggregated from bottom to top within a certain amount of time. finished in order to guarantee the execution

message's timeliness [6]. The most fundamental and important administer is data administer in budget administer. The foundation and contraction of budget administration is data administration. Database technology in message administration systems has advanced quickly [7]. Along with the Colleges and universities have demonstrated a "super-scale and leap-forward" expand trend, increasing enrollment, merging, operating schools in branch campuses, raising funds for operating schools through multiple channels, encouraging private capital to enter the field of education, and using bank loans. This represents an undivided deepening of the reform of the national economic system and education system[8]. The implementation of many reforms, including capital construction, has presented new challenges and tasks for college and university financial administrators. This has also resulted in increased demand for the budget administration of the core model of financial administration in these educational institutions. The advent of the contemporary budget administer system eliminates the outdated and ineffective budget administer methods while utilizing the full capabilities of contemporary computers, resulting in a significant increase in administer efficiency [9]. The current economy's rapid expansion has increased demand for budgetary constraints. Financial administration using databases has become commonplace. Financial software in China, including Kingdee, UFIDA, and other similar programs. All levels of government, as well as small business managers, are keen to establish norms that will control financial administration of businesses. The typical method of administering a budget involves manually obtaining the form, filling it out, submitting it, manually compiling data, examining a significant number of laborious forms, and approving it[10]. In addition to data statistics, data querying, data analysis, and other tasks, their primary responsibilities involve accounting and capital activity administration. These activities include accounting processing, statement processing, reconciliation, current accounts, and universal transfers. They excel in data analytics, data queries, and other related tasks, but they fall short in terms of data budgeting and monitoring. Relying solely on human labor fails to take use of the messaging society's potent potential and is not a good way to improve the quality and efficiency of employment. It primarily shows itself as one-sidedness, distortion, latency, and inefficiency in communication. AtIt also raises additional demands for the use of computers at the same time. It is possible to grow and alter the budget with the aid of computers.

III. PROPOSED METHODOLOGY

A Budget methodology is the approach used to create a fiscal budget. There are several ways to create budgets, each one being referred to as a different method. Choosing the correct budget methodology is important as different approaches are used for different reasons. One common aspect of choosing the proper budgeting approach is to have a good grasp of the business' goals posed Methodology. The proposed methodology for the budget management system integrates a multi-faceted approach aimed at optimizing financial resources and enhancing fiscal accountability. At its core, the methodology emphasizes meticulous planning, transparent communication, and strategic allocation of funds. Firstly, a comprehensive assessment of organizational needs and priorities is conducted to establish clear budgetary objectives. This involves gathering input from key stakeholders across departments to ensure inclusivity and alignment with overarching goals. Subsequently, a robust budgeting framework is developed, incorporating factors such as revenue projections, expenditure forecasts, and risk mitigation strategies. Utilizing advanced analytics and forecasting techniques, this framework enables dynamic budget adjustments in response to changing economic conditions or emergent priorities. Additionally, the methodology promotes continuous monitoring and evaluation mechanisms to track expenditure patterns, identify variances, and optimize resource utilization. Regular performance reviews and financial audits further ensure compliance with established budgetary guidelines and regulatory requirements. Importantly, the methodology underscores the importance of fostering a culture of fiscal responsibility and accountability throughout the organization, encouraging stakeholders to actively participate in budgetary decision-making processes and uphold transparency in financial reporting. By adhering to these principles, the proposed methodology seeks to empower organizations with the tools and insights necessary to achieve sustainable financial management and drive long-term growth and prosperity.

IV. CONCLUSION

In conclusion, the implementation of a robust budget management system is paramount for organizations aiming to achieve financial stability and optimize resource allocation. Through meticulous planning, transparent communication, and strategic oversight, such a system enables proactive decision-making, fosters fiscal responsibility, and enhances overall organizational performance. By continuously monitoring expenditures, evaluating variances, and adapting to changing economic conditions, organizations can effectively navigate uncertainties while maximizing the impact of their financial resources. Moreover, fostering a culture of accountability and inclusivity ensures that stakeholders remain engaged and aligned with budgetary goals, ultimately driving sustainable growth and success. Thus, a well-designed budget management system serves as a cornerstone for financial health and operational efficiency in any organization. We have confirmed the "financial administer system" after our preliminary investigation. An organization's financial administration has always operated in a pattern of "two skins" with accounting; it is even rarer to realize daily cost control based on the local area network and with the assistance of the accounting system. It is expected that there will be a wide range of applications for this technology. Financial budget administration is an essential component of college administration that may accurately and completely portray revenue, expenses, and financial operations. A system is an essential tool for achieving effective operation and financial science decision-making. Creating a framework for financial budget administration will help standardize budget administration and increase the pace at which funds are utilized. The cloud platform is both the new and inevitable way that users are requesting the message model.



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