

Research on Management Informatization Strategy of Coal Mine Enterprises

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Abstract:

At present, in order to improve the efficiency of operation and management of coal mining enterprises, it is necessary to strengthen the integration of big data technology and enterprise management, use modern technology and science to effectively carry out work planning, and eliminate the phenomenon of non-compliance in the process of enterprise operation and management. Coal mining enterprises need to control the operation and management process, ensure the efficiency of enterprise operation and management, and also give full play to the maximum value of big data technology. In addition, it is necessary to improve the comprehensive quality and work ability of management personnel, so that management personnel can innovate a variety of management models, establish a team of management personnel, and improve the level of management.

Keywords:

Informatization; Coal mining Enterprises; Enterprise Management

Introduction:

Through in-depth exploration and effective use of such data, enterprise managers can analyze the economic value of products according to the experience feedback given by users, adapt to the development trend of The Times, innovate the management mode in time, skillfully use the cloud information network built based on big data technology and online transmission technology, contact a number of cooperative enterprises in the same industry, and take the principle of mutual benefit and coexistence as the principle. Formulate a modern comprehensive management model in line with the actual situation. Using a large number of data resources continuously generated every day, collect all kinds of information and data generated by competing enterprises in the same industry in the development of operation and production, find out the internal differences and relevance of different types of data and information, timely correct the loopholes and defects in the existing management system, and eliminate potential management risks.

1 Problems in the current operation and management of coal mining enterprises

1.1 The overall quality of enterprise operation and management innovation personnel needs to be comprehensively improved

With the continuous progress of information technology, the low professional quality of personnel also affects the efficiency of operation and management innovation in coal mine enterprises. In actual management, the comprehensive quality of enterprise operation and management innovation personnel is not high, and the work arrangement is not meticulous, resulting in slow progress of enterprise operation and management innovation, and the effect is not obvious [1]. In the construction of enterprise operation and management, due to the weak ability of enterprise management personnel and the lack of advanced working methods, there are certain problems in the overall operation and management innovation of enterprises. In addition, when carrying out business management innovation, the lack of clarity of the importance of the work of the personnel also directly affects the final effect.

1.2 The number of professional data analysis personnel is small

Some technical staff lack the autonomy to develop algorithms and learn equipment maintenance skills, and can only

complete tasks with low difficulty and lack of technical content, so the effectiveness and professionalism of data analysis results cannot be guaranteed. Enterprises fail to recruit professionals who master high-level data analysis technology for all strata of society, and the vocational training mechanism is relatively backward, so they do not have the ability to cultivate new employees who do not understand big data technology into high-quality professional and technical talents. Enterprise managers ignore big data technology for a long time, the available technical force is relatively weak, do not pay attention to the accumulation of technical resources and technical talents, and cannot give play to the special advantages of big data technology in enterprise management activities.

1.3 Weak innovation consciousness at the top of the enterprise

Some managers of coal mining enterprises are not aware of the importance of big data technology and fail to actively concentrate technical resources to further explore the commercial value of data analysis and classification technology. Some managers can only grasp the surface value of big data technology, that is, summarize industry data and make three-dimensional information models. The use of data analysis technology only stays at the level of integrating and classifying relevant information of an economic project, and has not found the application value of big data technology in different aspects such as long-term strategic decision-making, evaluation of past profit channels, and economic risk prediction [2]. The informatization and digital construction of some domestic enterprises only stay in the two departments of finance and asset management, and fail to popularize data analysis technology to all departments and subordinate institutions, resulting in problems such as inconsistent information dissemination speed and confusion of information standards in many departments in the enterprise management system.

2 Measures for informatization operation and management of coal mine enterprises

2.1 Innovate management concepts and choose correct management objectives

In the information age, the development and progress of enterprises depends on their data collection and analysis capabilities. Enterprise managers must make effective use of all kinds of data and transform data into specific and clear information. In order to improve the market competitiveness of enterprises, enterprises must start to formulate comprehensive long-term development strategy and short-term investment strategy, collect data from different fields and conduct in-depth analysis with the help of professional software equipment, establish a digital model with strong explanatory power, and predict the future development prospects of the industry and the profit space of enterprise investment projects. Master the market information and the enterprise's own business information.

2.2 Innovate the staff training mechanism and allocate high-quality human resources

In order to promote the normal development of management activities in modern coal mining enterprises, sufficient human resources should be allocated based on the actual situation, the cultivation of data analysis talents and equipment maintenance personnel should be set as the primary goal of talent cultivation, the existing talent recruitment standards and entry ability test content should be adjusted, the data analysis ability and mastery of modern information technology should be examined, and the evaluation index system of professional and technical talents should be expanded [3]. Through organizing and carrying out vocational training activities, cultivate a group of talents who master high-level data analysis skills and can independently maintain technical equipment, and set up a data analysis team and scientific research team that can independently develop equipment and update algorithms, so as to occupy a favorable position in the increasingly fierce market competition. While introducing data talents, we should explore more available market information and talent recruitment information, and do a good job in basic work such as talent introduction and technical expert training.

2.3 Improve the management system of the enterprise

In the operation and management of enterprises, it is necessary to improve the organization and management mechanism, plan the overall work, and ensure that the entire management work has corresponding institutional constraints. There will be many details in the process of management. In the whole management process, it is necessary to start from the management

personnel, manage the entire organization, and establish a corresponding organization management mechanism to manage personnel. In addition, it is also necessary to establish a corresponding management system to optimize the entire management work, and achieve management through the improvement of the mechanism. When improving the enterprise management system, auxiliary management is carried out by setting up corresponding supervision and management system to ensure internal and external supervision and management and achieve the integrity of management work.

2.4 Strengthen the management of economic activity benefits

The operation and management of coal mining enterprises are required to ensure the effective implementation of the enterprise operation and management system and promote the effective implementation of the business in the process of business [4]. Therefore, enterprises can adjust each link to reduce errors in the process of business execution and save more time for the development of economic activities. In the traditional operation and management, the expenses and temporary expenses of various departments are too large, which is harmful for the final economic benefits of the enterprise, and the staff work can effectively improve this problem and ensure the actual feasibility of the operation. Due to the extensive content of the enterprise, it also increases the complexity of the enterprise composition, so before carrying out the business staff work, it is necessary to quickly decompose the responsible enterprise composition to provide help for the later stage.

Conclusion

To sum up, the application of big data technology in the operation and management of coal mining enterprises can ensure that the production and operation data and financial data of enterprises are properly managed, and provide help for the decision-making of enterprises. In the context of the application of big data technology, enterprises need to strengthen the integration of business management and technology to ensure that the important value of big data technology is played in the process of business management.

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