

Strengthen the concept of science and technology services and improve the efficiency of science and technology management

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Abstract: With the continuous progress of society, our country has obtained many achievements in the field of biotechnology, achieved rapid development. At the same time of rapid progress in science and technology, the importance of strengthening the science and technology service concept and enhancing the efficiency of science and technology management is also becoming more important. However, in actual work, many enterprises still have many shortcomings in science and technology management, which restricts the rapid and stable development of science and technology. Based on this, this paper takes biotechnology companies as an example to explore the specific strategies to strengthen the concept of science and technology service and improve the efficiency of science and technology management, hoping to provide valuable references for relevant personnel.

Key words: Science and technology service concept; Strengthening measures; Science and technology management efficiency; Promotion strategy

I. Our country enterprise science and technology management status and problem analysis

With the progress of enterprise science and technology, the importance of science and technology management is becoming more and more prominent. In this regard, Chinese enterprises are also making internal adjustments, and strive to achieve a new leap through reform and transformation. However, from the actual situation of science and technology management of Chinese enterprises, there are still many limiting factors that affect the development of science and technology enterprises. Such as the service consciousness in the science and technology management work is not strong, which affects the subsequent management work. Therefore, the content of this section analyzes and summarizes the present status and problems of science and technology management in our country.

1. The present situation of the management of science and technology in enterprises

A science and technology management system has taken shape. In recent years, China has continuously made new achievements in the field of science and technology, prompting enterprises to reform and innovate the traditional management mode. Among them, the leading enterprises in the industry have gradually established a perfect science and technology management system, which has brought greater economic benefits to enterprises. The small and medium-sized enterprises in the industry also see the importance of reforming internal control and attaching importance to science and technology management, and begin to learn the management mode of large enterprises, draw on the successful experience of its reform, and begin to establish a science and technology management system in line with their actual situation.

2. The existing problems of science and technology management in small and medium-sized enterprises

Science and technology management personnel lack of innovation consciousness

Science and technology management has high requirements for management talents, but some enterprises lack professional science and technology management talents, resulting in many defects in the subsequent science and technology management. For example, in a certain science and technology project, in order to successfully complete the project tasks, the enterprise will temporarily set up a science and technology management team, temporarily assign employees from other departments to be responsible for related matters, and then return to the original work after the project is over. As a result, the sense of responsibility and professionalism of the science and technology managers are difficult to meet the requirements of science and technology management. In addition, the unsteadiness of the talent team also causes the fault of science and technology management activities, and it is difficult to find the corresponding person in charge once there is a problem.

II. Strengthen the concept of science and technology service to enhance the efficiency of science and technology management strategies

In the new situation, biotechnology enterprises combined with the development trend of the environment, strengthen the concept of science and technology service, improve the efficiency of science and technology management is the inevitable choice to promote the steady development of enterprises. In actual work, enterprises need to improve and innovate the relevant work and management system with the help of practice, so as to better serve the development of enterprises, customers and society. In order to effectively play the role of science and technology, strengthen the concept of science and technology service and improve the efficiency of science and technology management, we can start from the following aspects.

1. Strengthen training and learning in science and technology services

Under the new economic system, biotechnology enterprises need business philosophy, abandon the problem of management by administrative orders, actively adapt to the new situation of market economy and knowledge economy, dilute the administrative identity of science and technology management workers, pay attention to strengthening their service awareness, and create a good atmosphere for scientific research work and scientific and technological innovation work. In this regard, science and technology management staff need to firmly establish the consciousness of science and technology service, position themselves in the position of service providers, simplify the procedures and work procedures through effective management, and gradually establish an environment conducive to the growth of scientific research workers and the transformation of scientific research results.

In this regard, enterprises can carry out reform from the aspects of strengthening moral modification, strengthening business learning and innovating management mode. In terms of enhancing the moral cultivation of science and technology managers, enterprises can make use of ideological education to let managers realize that science and technology projects are the key link of enterprise survival and an important force to promote social and economic development, so as to strengthen the sense of mission of managers. As a science and technology management workers, their own establish the consciousness of serving the enterprise wholeheartedly, carry forward the professional spirit in the work, gradually improve the professional ethics, put the interests of the enterprise in the first place, and do their due responsibilities and obligations for scientific research work and scientific and technological innovation. In the strengthening of business learning, science and technology service is a constantly updated and progressive field, need to constantly learn and master new knowledge and skills, strengthen the training and learning of science and technology service, can help staff constantly improve their professional level, improve the efficiency of science and technology management. Enterprises can regularly organize staff training and learning, understand the new policy, and constantly improve their basic quality and business level, to ensure that in the actual work to improve efficiency and work quality. In the mode of innovative management, enterprises need to give full play to the subjective initiative of science and technology management personnel, and encourage them to contribute ideas and suggestions for the innovation of science and technology management. For example, with the help of information technology to promote the development of science and technology management information, around the concept of "people-oriented", simplify the relevant process, so that science and technology management work flexible, get twice the result with half the effort. In terms of the measures to motivate science and technology management personnel, enterprises can use performance appraisal, personal evaluation and other systems to incorporate innovative ideas put forward by employees into their personal performance appraisal results, so as to strengthen the service consciousness of science and technology management personnel and gradually standardize the construction and management of scientific research and innovation teams.

2. Establish a science and technology service team

Science and technology services need a professional team to support, this team should be composed of personnel with relevant skills and experience, at the same time, the team members need to have advanced service concepts, can uphold the concept of serving scientific research, science and technology work to carry out science and technology management projects. By establishing a science and technology service team, we can better coordinate and manage science and technology services, and improve the efficiency of science and technology management. First of all, in the process of setting up, enterprises can select science and technology management personnel with a strong sense of responsibility from within the enterprise, and they can also enrich the science and technology management team through talent introduction. Secondly, in actual work, only relying on top managers is far from enough, in order to establish a stable and able to play the management function of the team, the enterprise also needs to constantly improve the management system, with the incentive system, stimulate the potential of science and technology managers, so as to build a stable growth of science and technology management team.

For example, in the management system, according to the actual situation of science and technology management, the management department is led, and the science and technology service departments participate, so as to improve the management system scientifically and step by step. At the same time of the implementation of the new management system, the science and technology management departments should also send the investigation documents to the corresponding departments through questionnaires, and learn the compatibility between the new system and actual needs from the perspective of grassroots science and technology management personnel and science and technology researchers in an anonymous manner, so as to ensure that the science and technology management system is more in line with the needs of science and technology service work. In terms of incentive system, science and technology companies can establish diversified incentive systems, such as job promotion, bonus incentive and other systems, to enhance the enthusiasm of science and technology management personnel. For example, for staff who have made outstanding contributions in science and technology management and science and technology services, they can enhance the sense of honor of managers and provide them with broad space for personal growth through promotion or bonus incentives. For employees who have a strong sense of service and actively participate in training, enterprises can use the incentive of bonuses to set an example in the science and technology management team and encourage all employees to continue to do science and technology management with practical actions.

In the later construction of the management team, the enterprise needs to exercise the comprehensive ability of the management personnel with the help of practice, and at the same time, it constantly enhances its service consciousness with the help of practice. This is the follow-up education link in the team construction, and the process of "charging" and "storing energy" for the management team. For example, the leader of the management team can boldly carry out practice, take the initiative to conduct research and analysis, understand the shortcomings of the current science and technology management system and management work, and with a strong sense of service, constantly sum up experience and lessons, and timely transform the science and technology management theory into specific management strategies. In addition, in the construction of science and technology management team, enterprises can introduce new management concepts according to the needs of team building, such as PDCA management concept, to promote science and technology management work constantly summarize and optimize the plan from the problem, and with the help of actual implementation to find problems and solve problems, and then enter the next management cycle. In short, science and technology enterprises should pay attention to the construction of science and technology service team, and should do a good job in the later stage of the team's education work.

3. Strengthen cooperation and communication in science and technology services

Science and technology services often involve the cooperation of multiple departments and fields, and greater collaboration and communication are needed to ensure seamless work among various departments. By strengthening collaboration and communication, the efficiency of science and technology management can be improved to better meet the needs of customers.

For example, in the information age, biotechnology companies should build a new information-based management system based on

new technologies such as big data technology and Internet of Things technology, adhering to the principle of sharing and openness in science and technology services and management. It is also the ultimate goal of science and technology management to realize knowledge sharing, information sharing and service sharing, strengthen the deep integration of scientific and technological personnel and industry, and promote the recognition, promotion and application of scientific and technological achievements, so as to realize the seamless docking of various departments, science and technology and economy. Relying on big data technology and cloud computing, data centralization and sharing are realized, and scientific research resources are effectively integrated, so as to break through information barriers and make information management cover the whole enterprise, the whole region and even the whole country. When information is interconnected, cross-system and cross-department collaborative management and services can be implemented more efficiently, effectively improving the utilization of scientific research resources and reducing scientific research costs.

Compared with the traditional science and technology services and science and technology management, the introduction of information technology and information management concepts has higher requirements for the comprehensive ability of managers. It can be seen from the actual work that although the innovation and reform of science and technology has been carried out for decades, there are still some scientific research enterprises in our country to retain the traditional science and technology management mode. The main reason is that the service consciousness of managers is backward and the service means are not innovative, which leads to the management work can not keep up with the development of enterprises. Therefore, in the process of information technology and digital transformation, enterprises should strengthen the awareness of information technology management of science and technology management staff, let staff take the initiative to learn new technology and new management mode, improve their information literacy, so as to effectively improve the efficiency of science and technology management.

4. Application of science and technology service tools

Modern science and technology service tools can help the staff to deal with the work related to science and technology service more quickly and efficiently. For example, the use of online project management tools can help coordinate and manage project progress, task allocation, etc.; Using online communication tools can help to communicate and communicate in a timely manner. Through the application of science and technology service tools, the efficiency of science and technology management can be improved.

From the existing science and technology service platform, most enterprises have opened a service hotline, online communication channels, etc. In the process of improving the efficiency of science and technology management, enterprises can make full use of these platforms, introduce more new technical means, and establish a more powerful, unified, linked, covering the internal and external network technology management and service system. The system can include equipment management, operation and maintenance management, project management, etc., can also involve new knowledge, new technology learning and training, fault repair and monitoring alarm and other functions. In terms of the scope of services, science and technology management should be combined with the development needs of biotechnology companies, on the basis of traditional fund management and project research, increase the whole process of scientific research project services, policy information services, scientific research exchange and coordination services, scientific and technological achievements transformation and promotion services, and expand the function of science and technology management with a strong sense of science and technology service. For example, in terms of scientific research exchange and collaboration services, enterprise science and technology management can encourage internal researchers to carry out “interdisciplinary” comprehensive research, “cross-enterprise” communication and collaboration, etc., to promote the sharing of scientific and technological resources, interdisciplinary and complementary advantages. Strengthen the communication and collaboration between basic and applied disciplines, promote the development of disciplines and the expansion of thinking, so as to form a new scientific research direction, build a new scientific research platform, create new scientific research capabilities, and obtain more vertical topics. At the same time, strengthen the cooperation with national institutes and enterprises, obtain more horizontal projects, raise more funds, and make up for the shortage of vertical research funds. In terms of the promotion of scientific and technological achievements, science and technology management departments should take the initiative to provide services for the transformation and promotion of scientific and technological achievements, and actively do a good job in the follow-up work of scientific and technological research, so as to transform them into economic and social values of enterprises.

Epilogue

To sum up, with the rapid progress of society, China’s science and technology level has been greatly improved, in the background of the rapid improvement of science and technology, science and technology managers also need to improve their own management level, and actively adapt to the development of science and technology changes. In order to strengthen the concept of science and technology service and improve the content of science and technology management education, it can be carried out from strengthening the training and learning of science and technology service, establishing science and technology service team, strengthening the cooperation and communication of science and technology service and applying science and technology service tools, from management personnel to management means, keep the same direction with the development of science and technology, and serve the scientific research work and science and technology innovation work of enterprises. Let enterprises achieve sustainable development, in order to promote our country’s economic development.

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