Discussion on Communication and Management of Teaching Building Renovation Project

Xinlei Nie*
Xi'an Shiyou University, Xi'an 710065, China
*Corresponding email: niexl@xsyu.edu.cn

Abstract

Project management communication plays a vital role in building renovation project based on teaching as an example, discusses the present situation of project communication management and the existing problems, and put forward the optimization of project communication management plan. To achieve efficient communication, and smoothly realize the purpose of project operation, and for communication management theory, method of reference.

Keywords

Logistics management, Information system, Office automation, Service oriented architecture

Introduction

In today's information age, the education industry is facing even more severe challenges. In this context, information technology has become the first vitality, and major universities have spared no effort in investing a large amount of manpower and financial resources in the construction of new teaching buildings to build an education and teaching industry with data centralization and electronic informatization. As an important core hardware facility, the construction of teaching buildings has become an important issue [1,2].

From the perspective of rigid requirements, the network renovation project of the teaching building has strong real-time performance, which means that it needs to be completed within a very short construction period. The construction and renovation process must follow the plan and cannot delay the normal teaching order of the school due to delays [3].

Therefore, timely transmission of construction project information, ensuring the research progress and timeline of project implementation, and effective communication have become the key to the entire project implementation.

With the establishment and improvement of project management, the theory of communication management has gradually developed. Since the 1980s, various professional books on management communication in China have gradually been published and printed. Many scholars have put forward their own opinions, provided clearer definitions of communication, clarified the significance of communication in management, and conducted research on management from various aspects.

Some scholars have pointed out that the communication management processes are interdependent, and each process can be completed by an individual or multiple people [4,5]. The entire process is intertwined and project oriented. Widely circulated models include the "Lasswell model", "Schramm model", and "Shannon Weaver model".

Communication management and current situation of renovation projects

Project content and stage construction

Adopting the current data center network office system and automated management mode, the

project is integrated into five functional blocks: open platform area, operation management area, external link area, local user area, and wide area access area.

The project construction is divided into four stages:

(1) Preparation in the early stage of project engineering.

(2) The construction of a new network environment.

(3) Network migration.

(4) Emergency and post support.

Project features

(1) There are many institutions derived from the project, which make communication methods, communication objects, communication information volume, and communication forms between each other complex and diverse. These characteristics determine that in the process of communication management. It is necessary to fully coordinate the connections between various institutions and avoid conflicts of interest and contradictions between them [6].

(2) The timeliness of construction requires efficient completion of teaching building projects in a short period of time to avoid problems that may seriously affect teaching progress after being put into use. Therefore, there are high requirements for the accuracy and security of project execution time, and deviations in information transmission will seriously affect the progress of the project. It is necessary to ensure that project personnel can obtain effective information in a timely and accurate manner.

(3) The project has a high degree of specialization, and throughout the entire construction process, there are various construction technicians who communicate with each other. This enables professionals to have a more accurate understanding of each other, while cross disciplinary communication can create barriers and obstacles. If there are misunderstandings, it can also lead to a series of problems [7,8].

Communication management optimization plan

Develop a comprehensive project communication management plan

Establish a leadership team for the project and develop a comprehensive communication management plan based on project experience, including input, tools, and outputs for the communication plan. Develop specific measures, form a communication management plan based on the analysis results, and establish a new system for communication planning [9,10].

Strict communication execution

The effectiveness of communication lies in the completeness of the information received, with a focus on the recipient's feedback on the information.

Coexistence of multiple communication methods

Formal communication and informal communication can coexist, with formal communication being issued by project members through documents, meetings, written instructions, etc., while informal communication is private communication among project members. However, it is worth noting to avoid information errors and malicious human influence caused by informal communication.

Conclusion

Choosing basic communication methods, developing a comprehensive communication management plan, resolving communication confusion, effectively improving communication timeliness, strengthening project team management and construction are of great significance for the operation of the entire project.

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Conflicts of Interest

The authors declare no conflict of interest.

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