

## APPLICATION OF FINE MANAGEMENT IN CONSTRUCTION PROJECT MANAGEMENT UNDER COGNITIVE IMPAIRMENT

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**Background:** Cognitive function refers to the advanced functions of the brain, including perception, memory, speech and abstract thinking. It can also be simply understood as human activities to understand objective things. Cognitive function includes many cognitive fields, including memory, calculation, space-time orientation, structural ability, executive ability, planning, starting, sequence, operation, feedback, abstraction, decision-making and judgment, language understanding, expression and application. In the process of normal aging, cognitive function will decline, but in the process of abnormal aging, cognitive function will decline excessively in some aspects and gradually develop into pathological cognitive impairment. Cognitive impairment generally refers to the clinical syndrome of cognitive impairment in varying degrees caused by various reasons, such as physiological aging to disturbance of consciousness. Similar names include cognitive decline, cognitive impairment, or cognitive impairment. Cognitive impairment mainly includes memory impairment, which is usually considered as early symptoms, such as memory impairment of recent events, personal experience memory, memory impairment of major life events, orientation impairment, including time, place and character orientation impairment, language impairment, including difficulty in finding words, reading, writing and understanding, impaired visuospatial ability and decreased computing ability. Poor judgment and problem-solving skills. Dysfunctional state refers in particular to similar, progressive memory impairment. Because there is no impairment and functional impairment in other cognitive fields, it is not dementia, but a clinical state between normal aging and mild dementia. The most important clinical significance lies in early detection and early intervention to delay or prevent the occurrence and development of dementia. At the same time, under the background of cognitive impairment, construction project managers will have a series of problems, mainly manifested in inadequate construction project management, inadequate implementation of construction project management system, insufficient attention to construction project management, insufficient preparation in the construction preparation stage, lack of perfectly fine management mechanism and so on.

There are still many loopholes in the field of construction project management. Most enterprises rely too much on government functional departments due to imperfect project management, which leads to poor management effect. In view of the problem that the construction project management system is not in place, although the competent departments at all levels have formulated the supervision and management norms of the construction industry, they still cannot achieve satisfactory results in the specific implementation process. In view of the importance of construction project management, the construction unit advocates the principle of interests first at this stage. There are many deficiencies in the implementation of project management, the project quality cannot be effectively guaranteed, and the construction enterprises cannot develop well. The problem of insufficient construction preparation stage is mainly reflected in the low rationality of prefabrication construction and the low professional technical level and ability of construction enterprises. Finally, the lack of fine management mechanism makes it difficult to quantify the work standards. This paper analyzes the influencing factors affecting the efficiency of construction project management, combined with the fine management under cognitive impairment, in order to strengthen the construction technology management, innovate the management of construction engineering and optimize the construction management process.

**Objective:** In order to analyze the current situation of construction project management, combined with the fine management under cognitive impairment, improve the application value of construction project management, so as to provide new ideas and directions for future construction project management.

**Research objects and methods:** 100 construction related personnel in two regions are selected as the research object for cognitive impairment intervention, and then the fuzzy comprehensive evaluation method is used to evaluate the application status of fine management in construction project management, so as to determine the evaluation indicators: construction preparation, construction technology management, construction innovation management and construction process management. Then, the specific application effect of fine management in construction project management before and after cognitive impairment intervention is compared and analyzed.

**Methods:** Obtain the management effect of construction projects before and after fine management under cognitive impairment through SPSS18.00 data statistical analysis software.

**Results:** Table 1 shows the specific application effect of fine management in construction project management before and after cognitive impairment intervention. It can be seen from Table 1 that after the cognitive impairment intervention, the construction preparation, construction technology management, construction innovation management and construction process management have been significantly

improved, and there is a statistical difference before and after the intervention ( $P < 0.05$ ).

**Table 1.** Specific application effect of fine management in construction project management before and after cognitive impairment intervention

Category	Cognitive impairment before intervention	Cognitive impairment after intervention	$P$
Preparation for construction	50	87	<0.05
Construction technology management	49	85	<0.05
Construction innovation management	55	86	<0.05
Construction process management	52	86	<0.05

**Conclusions:** After the fine management under cognitive impairment, the construction project management has achieved good results. Compared with before the cognitive impairment intervention, after the cognitive impairment intervention, the construction preparation, construction technology management, construction innovation management and construction process management have been significantly improved, which is worth popularizing and applying in the construction project management.

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## UNIPUS AND SPOC PLATFORM INTERACTIVE “SMART” CROSS-CULTURAL COMMUNICATION COURSE FLIPPED CLASSROOM TEACHING MODE

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**Background:** Cognitive impairment is a perceptual disorder caused by mental disorders. In psychiatry, cognitive impairment seriously affects the individual’s judgment of external things. The generation of cognitive impairment is the brain injury caused by the stimulation of the external environment. The brain is the part that controls human activities. The damage of brain cognitive function will make adults unable to accurately judge the external information they receive. In psychiatry, cognitive impairment is a very serious mental disorder. Generally speaking, patients with cognitive impairment cannot accurately recognize external things due to cognitive psychological defects in daily life. Therefore, when individuals suffer from cognitive impairment, the resulting mental disorders are also increasing. Mental disorders lead to patients’ emotional control, and in serious cases, patients will have behaviors that harm themselves and others. The existing psychotherapy of cognitive impairment generally promotes the recovery of cognitive function of patients with cognitive impairment through psychological intervention of psychologists, but the method of psychological intervention can only achieve one-to-one remission at the same time, which is inefficient. Therefore, in the social development, education and teaching programs have been proposed for the cognitive impairment of mental patients, especially in colleges and universities. In college English teaching, students are more likely to have cognitive impairment because the complex environment of English teaching will affect students’ basic cognition.

In college English teaching, with the development of information technology, intelligent flipped classroom is more and more loved by teachers and students. The main reason is that intelligent flipped classroom can bring more novel teaching experience to students, in which cross-cultural communication greatly improves students’ interest in school. In college teaching, students’ cognitive impairment seriously hinders students’ learning. Therefore, colleges and universities continue to try to carry out teaching reform under the background of students’ cognitive impairment. The “smart” flipped classroom interactive between u campus and SPOC platform is the main teaching mode in colleges and universities at present. Therefore, how to reform the teaching mode based on students’ cognitive impairment will determine the teaching level of colleges and universities. Therefore, the research tries to start with the mitigation strategy of cognitive impairment, build a “smart” cross-cultural communication course flipped classroom teaching mode for the interaction between u campus and SPOC platform, in order to improve the teaching level of colleges and universities and alleviate students’ cognitive barriers at the same time.

**Objective:** This paper discusses the impact of cognitive impairment on the teaching quality of colleges and universities, and explores the “smart” cross-cultural communication course interactive between u