

and practical path for the construction of higher vocational college teachers' teaching innovation team.

**Research objects and methods:** Teachers with different degrees of cognitive impairment in two higher vocational colleges in a certain region are selected as the research object. The role of teachers' teaching innovation team construction in higher vocational colleges on teachers' cognitive impairment is analyzed through the algorithm of ordering points to identify the clustering structure (options). The number of teachers selected in each school is 30. Select researchers, including grade directors, teaching directors, secretaries, vice-principals, principals and other personnel, and evaluate the results through the degree of improvement. The evaluation contents include language ability, attention, memory ability and memory ability. The final result is the average score of all participants in the two schools. The improvement level is divided into five levels: obvious improvement, better improvement, improvement, little improvement and no improvement. The corresponding scores of the five levels are 0-20, 21-40, 41-60, 61-80 and 81-100.

**Methods:** This paper uses Excel statistical software to analyze the role of teachers' teaching innovation construction in higher vocational colleges on cognitive impairment from the perspective of the reconstruction of grass-roots teaching organizations under the background of cognitive impairment.

**Results:** Table 1 refers to the role of the innovative construction of teachers' teaching teams in higher vocational colleges on cognitive impairment from the perspective of the reconstruction of grass-roots teaching organizations. It can be seen from Table 1 that the innovative construction scheme of teachers' teaching team in higher vocational colleges has a very high improvement effect on the cognitive impairment of teachers in both schools. The satisfaction of language ability, attention, memory ability and memory ability are 76.67%, 13.30%, 70.00% and 86.67% respectively.

**Table 1.** The effect of innovative construction of teachers' teaching team in higher vocational colleges on cognitive impairment from the perspective of reconstruction of teaching organization

Attribute	Language ability	Attention	Memory ability	Recall ability
Significant improvement	12	13	14	13
Better improvement	6	5	3	6
Improve	5	4	4	7
A little improvement	4	4	3	2
No improvement	3	4	6	2

**Conclusions:** The innovative construction scheme of teachers' teaching team in higher vocational colleges from the perspective of the reconstruction of grass-roots teaching organization has an obvious improvement effect on cognitive impairment. The scheme can be applied to the innovative construction of follow-up teachers' teaching team and improve the level of team innovation construction.

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## DISCUSSION ON THE DEVELOPMENT DIRECTION AND ENERGY SUPPLY MODE OF ELECTRIC VEHICLES UNDER COGNITIVE IMPAIRMENT

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**Background:** Cognitive impairment refers to the abnormal knowledge processing of the human brain in the process of thinking, judgment and learning. The body is usually characterized by memory function and learning dysfunction, and even pathological behaviors such as loss of line, recognition and use. The causes of cognitive impairment can be summarized into three aspects: chronic brain injury, chronic systemic diseases, mental and psychological abnormalities. Cognitive impairment can be divided into thinking disorder, memory disorder and perception disorder. Thinking obstacles are manifested in delusions, thinking logic obstacles, association process obstacles, abstract generalization stage obstacles, etc. Memory impairment can be manifested as memory error, memory fragment loss, memory enhancement and so on. Perceptual disorder can be manifested as perceptual comprehensive disorder, sensory sensitivity, sensory retardation and so on. At present, there are very serious problems in the development direction and energy

supply mode of electric vehicles, which is closely related to cognitive impairment. The development stage of electric vehicle is determined by the characteristics of energy supply, construction scale and technical level. It can be divided into demonstration application stage and promotion maturity stage. At present, the main problems existing in the development of electric vehicles are low performance of power batteries, weak energy supply infrastructure, insufficient perfection of market mechanism and lack of relevant policies for the development of electric vehicles.

When the relevant leaders in the automotive energy industry are in the context of cognitive impairment, it will seriously hinder the development of electric vehicles and restrict the innovation of energy supply mode. At present, the low performance of power batteries in the electric vehicle industry will seriously limit the development of electric vehicles. There are great differences in the performance of battery cells, which will not significantly improve the cycle life of the assembled battery. The construction of energy supply infrastructure is not enough, and the relevant standard system has not been strongly supported by the government. In terms of market development mechanism, the development of designated areas of public service electric vehicles highly depends on government financial support, and there is no corresponding business model, while the development of micro electric vehicles has great difficulties in organization and management. The policy for the development of electric vehicles has not been improved, and only pilot operations have been carried out in several cities. In the context of the bottleneck in the development of the electric vehicle industry, relevant leaders need to strive to improve their level of cognitive impairment, and the energy supply mode of electric vehicles needs to be improved in a large range, as follows. The single cycle life of lithium-ion battery reaches more than 1000 times, but its performance still needs to be further improved. In the mature stage of promotion, the dominant force of the development mode of electric vehicles is the market. The use of electric vehicles has increased significantly, and the corresponding energy supply facilities are gradually improved, mainly to solve the intelligent interaction between power grid and electric vehicles and the combination of power grid and electric vehicle energy storage.

**Objective:** This paper discusses the development direction of electric vehicles and the role of energy supply mode on the cognitive impairment of relevant personnel in the electric vehicle industry, in order to provide new ideas and directions for the future development of electric vehicles and energy supply mode.

**Research objects and methods:** Select the relevant personnel in the electric vehicle industry with different cognitive impairment as the research object, and analyze the effect of the constructed electric vehicle energy supply mode on the population with cognitive impairment through the representative clustering using representative (cure) algorithm. The modes include the energy supply mode of micro electric vehicles and the energy supply mode of public service vehicles, and the number of relevant people is 50. The evaluation content includes four aspects: language ability, attention, memory ability and memory ability. The evaluation results are expressed by improvement degree and membership degree. Any number whose membership degree is [0,1]. The closer the value is to 1, the higher the membership degree is. The degree of improvement is divided into three levels: very improved, improved and non-improved.

**Methods:** This study uses Excel statistical software to analyze the development direction of electric vehicles and the impact of energy supply mode on cognitive impairment.

**Results:** Table 1 refers to the impact of energy supply mode of micro electric vehicles on cognitive impairment. It can be seen from Table 1 that the energy supply mode of micro electric vehicles has high recognition in four aspects: language ability, attention, memory ability and memory ability of relevant personnel in the electric vehicle industry. This shows that the energy supply mode of the micro electric vehicle can maximize the service life of the battery.

**Table 1.** Influence of energy supply mode of micro electric vehicle on cognitive impairment

Attribute	Language ability	Attention	Memory ability	Recall ability
Very improved	18	20	19	22
Improve	21	21	20	19
No improvement	11	9	11	9

**Conclusions:** The energy supply mode of electric vehicle constructed by the research has a good improvement effect on cognitive impairment. In the future, the two energy supply modes can be applied to the reform and optimization of electric vehicle industry.

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## RESEARCH ON THE INNOVATION OF TRAINING PATH SYSTEM OF PRESCHOOL TEACHERS IN COLLEGES AND UNIVERSITIES UNDER THE OBSTACLE OF COMMUNICATION AND ADAPTATION

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**Background:** Communication disorder is a common psychological problem, which can lead to people's mental tension, anxiety and other bad emotions. In the field of psychology, the counselor's financial ability, language expression ability and communication ability can usually be tested through social function. According to different types of communication barriers, communication barriers can be divided into physical barriers, psychological barriers, language barriers, cultural barriers, environmental barriers, status barriers and number barriers. Physical disorder refers to that the information transmitted by the body information expresses the wrong point of view. Most people will have different degrees of physical obstacles, which can pass the thematic apperception test. Psychological disorder is an obstacle in the process of communication caused by poor expression. This kind of communication disorder can be divided into two types: long-term persistent psychological disorder and stress psychological disorder. Language barrier refers to the communication barrier caused by local language, which needs continuous adaptation and learning to overcome. Cultural barriers refer to the customs and cultural differences arising from different regions and countries, which exist and cannot be eliminated. Environmental barriers refer to the fixed habits and behaviors caused by different environments, and then the communication barriers. The influence of professionals is limited by their status. The number barrier refers to the different states produced in different occasions. Efficient communication needs continuous learning and efforts, which is of great significance in the education and training of preschool teachers in colleges and universities.

The teaching level of preschool teachers in colleges and universities is closely related to the current situation of national education development. It is not only the concentrated expression of a country's comprehensive quality, but also the embodiment of international politics and economy. At present, there are the following problems in the team of preschool teachers in colleges and universities. First, there are great differences in the quality level of preschool teachers' team. Teachers have limited cultural knowledge, few professional ethics training courses, weak language expression ability and lack of patience in the teaching process. Second, preschool teachers have no sense of belonging and social identity. At present, the professional training of individualized education, five intelligences, hygiene, pedagogy and psychology is ignored in the training process of preschool teachers. Teachers' posts lack corresponding staffing, they cannot become formal teachers, and their work mobility and instability are very high. Third, the social welfare and status of preschool teachers are low. Compared with primary school teachers, the educational background of preschool teachers is no different from that of primary school teachers, but there are great differences in professional title, social status and salary. In such an environment, how to enrich their inner world and give children a healthy and happy environment is a matter of concern. Fourth, the job burnout of preschool teachers is serious and the pressure of work is large. Preschool teachers face heavy curriculum pressure, and they also need to actively communicate with their parents, facing great psychological pressure.

**Objective:** This paper explores and puts forward a new path system for the cultivation and training of preschool teachers in colleges and universities, and analyzes its impact on the obstacles of communication and adaptation, in order to provide new ideas and directions for the cultivation and training of preschool teachers in colleges and universities.

**Research objects and methods:** The preschool teachers of five universities were selected as the research object. The traditional and new preschool teachers' training path system was evaluated through the Balanced Iterative Reducing and Clustering using Hierarchies (BIRCH). The evaluation content included five aspects: communication fear, language, emotion, information overload and selective intuition. The research evaluated the results through the degree of improvement. The improvement degree is obtained through the calculation formula of consensus improvement degree. Any number whose membership degree is  $[0,1]$ . The closer the value is to 1, the higher the membership degree is. The degree of improvement is divided into three levels: obvious improvement, improvement and no improvement. The average value of the research object is selected as the final result, and the number of evaluators is 60.

**Methods:** This study analyzes the impact of the new college preschool teacher training path system on communication adaptation barriers through Excel data analysis software.

**Results:** Table 1 refers to the impact of the new college preschool teacher training path system on communication adaptation barriers. It can be seen from Table 1 that the training path system of preschool