

# Survey Of College Students' Learning Initiative under Information Environment

Yiqing Lu

School of Information Management, Beijing Information Science and Technology University, Beijing, 100192, China.

luyiqing@126.com

## Abstract

**This paper focuses on the problems of College Students' cognition of learning needs, learning autonomy, learning flexibility, application of learning strategies, and pursuit of learning efficiency under the information environment. The results of the investigation and analysis are helpful to guide students to make full use of the learning resources on the Internet, establish their professional goals and learning goals as soon as possible, and finally fully adjust them.**

## Keywords

**Learning initiative; Information environment; learning strategy.**

## 1. The Necessity Of College Students' Learning Initiative under the Information Environment

At present, the rich information resources in universities include not only basic knowledge, but also professional knowledge, as well as the latest frontier knowledge and technological development of various professions and industries[1] [2]. The depth and breadth of knowledge is much more than that obtained from classroom and textbook. However, classroom teaching is often syllabus-led, teachers only talk about difficult points, doubts, key points in the classroom, the rest of the students themselves to read, understand, master. Therefore, cultivating and improving the students 'learning initiative is an important part of University education, especially in the information environment. Learning initiative refers to students purposefully and voluntarily learning under the control of subject consciousness. Cultivating and improving the learning initiative of university students is an important part of university education. Unlike middle schools, university learning cannot depend entirely on teachers 'plans and arrangements. Students cannot simply accept the teaching content in the classroom [3-5]. They must fully mobilize their subjective initiative to tap their potential in learning. This kind of study way which fully embodies the autonomy should run through the whole process of university study and reflect in all aspects of University life. Therefore, college students' learning initiative plays an important role in higher education [6].

With the wide application of information technology in education and teaching, learning activities are characterized by open space, multiple channels and rich resources[7-9]. Under the information environment, do college students have a clear understanding of learning needs? Can students effectively use information technology to meet their learning needs? In an open, diversified and rich information learning environment, can students master good learning strategies?

Therefore, it is necessary to study the initiative of college students in the information environment, investigate and analyze the students' cognition of learning needs, the use of various information technology tools to assist learning, as well as the mastery of learning strategies, and put forward corresponding countermeasures for the existing problems.

## **2. The Current Situation of College Students' Learning Initiative under the Information Environment**

In this study, 100 students were selected from five majors of information management and information system, electronic commerce, information security, computer audit and Management Science in a university in Beijing. A total of 86 questionnaires were collected and 82 questionnaires were valid, with an effective rate of 95%. The sample consisted of freshmen and sophomores, of whom 62.6% were freshmen and 37.4% were sophomores. The sex ratio was 58.1% for boys and 41.9% for girls.

The questionnaire measures college students' learning initiative in the information technology environment from five dimensions: cognition of learning needs, autonomy, flexibility, application of learning strategies, and pursuit of learning efficiency. The results showed that the average scores of cognition of learning needs, application of learning strategies and pursuit of learning efficiency were 2.85, 2.65 and 2.18 respectively, and the average scores of autonomy and flexibility were 2.32 and 2.53 respectively. It shows that under the information technology environment, college students have clear cognition of learning needs and certain learning strategies, but they are not optimistic about learning efficiency, and they are not good at learning initiative and flexibility. Do the respondents have a good learning strategy in the IT environment? Can you effectively use information technology to meet the needs of learning? Can you effectively manage your time in the IT learning environment? The answer is that, in an open, diverse and rich IT learning environment, 68% of College Students Most students have their own learning strategies, only 7.8% of them think it is difficult to effectively use information technology to meet their learning needs, and 42.6% of college students think that they can not manage their time effectively, and less than 10% of them always manage their time effectively. Thus it can be seen that improving the autonomy, flexibility and learning efficiency of college students is the key to promote their learning initiative in the information environment.

## **3. Suggestions for Improving College Students' Learning Initiative under the Information Environment**

According to the results of the questionnaire analysis, the following suggestions are put forward to improve college students' learning initiative in the information environment.

Students are allowed to choose courses independently. Different students have different hobbies, allowing students to choose their own courses can enhance students' interest in the selected subjects. In setting up the curriculum, the school should not only consider the comprehensiveness of knowledge, but also take into account the different interests of students, leaving students some choice.

Establish the relevance between theory and practice. Establishing the relevance between theory and practice is an important link in cultivating students' interest in learning. Setting up some simulated practice links in the information environment is helpful to arouse students' enthusiasm and initiative in learning and make them love learning consciously.

In a word, the initiative of students is not only in the students themselves, but also in the teaching environment of teachers and schools. First of all, students' interest in the subject itself is very important, and schools can encourage students to develop their interest by allowing them to plan part of the curriculum on their own. Secondly, teachers should arrange the content of information resources scientifically and reasonably, and try to combine theory with practice through various teaching activities, so that students can see the application of theory in real life and help them in their future career. Ultimately help students achieve: decompose the prescribed learning tasks into personal development needs, find a balance between curriculum

learning and personal development needs, make full use of learning resources in an open, diversified and rich information-based learning environment, while completing the course, they also get the best development.

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