



# Construction of Consulting Resource Platform of Ideological and Political Theory Course in Universities Under the Background of Internet Plus

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**Abstract.** In order to build a team of high-quality ideological and political teachers in colleges and universities and promote the development of ideological and political education in colleges and universities, this paper focuses on ideological and political education teaching, and develops a consultation resource platform for ideological and political theory courses in colleges and universities with the help of network information technology, database management technology and computer application technology. This platform adopts B/S architecture, follows MVC design idea, uses C# language and introduces ASP.NET framework to complete the design and deployment of Web Server, and builds a consultation platform for ideological and political teachers in colleges and universities to learn from each other and a service platform for resource sharing, which helps to form standards and improve the effectiveness of ideological and political education in China.

**Keywords:** ideological and political theory course · consultation · resources · ASP.NET · computer application

## 1 Introduction

Ideological and political education is the “lifeline” of all other work and the “central link” of the tasks of the party and the state. It is the solemn mission of higher education to educate people for the party and the country. Ideological and political course is an important guarantee for colleges and universities to train socialist builders and successors. However, there are still many problems in current ideological and political education in colleges and universities, among which the construction of teachers is one of the most important directions in ideological and political education. There is a shortage of full-time teachers in ideological and political education, a lack of communication opportunities among teachers, a lack of growth mechanism for mutual help and learning, and inadequate teacher training. These problems have led to the inadequate construction of teachers, which makes it difficult to meet the needs of ideological and political education [1]. Therefore, the author of this paper believes that a consultation resource platform for ideological and political theory courses in colleges and universities should

be designed, which can provide a set of plans for the improvement of ideological and political teachers' personal ability and the construction of teachers' overall team, and a set of new ideas for the standardization of ideological and political teaching.

## 2 Key Technologies

### 2.1 ASP.NET

.NET is a free and open source application development platform provided by Microsoft, including .NET core (cross-platform), .NET framework (windows) and Xamarin (Android) solutions. It is an application development framework under ASP.NET. NET framework system. The workflow of .NET is shown in Fig. 2. ASP.NET library provides APIs that interoperate with JavaScript when running in browsers or other WebAssembly architectures [2] (Fig. 1)

### 2.2 C#

C# is an open source, cross-platform, object-oriented programming language and the most popular .NET development language. C# is a strongly typed language. Every variable and constant has a type, and so does every evaluated expression. Each method declaration specifies the name, type and kind (value, reference or output) for each input parameter and return value. Interface contains the definition of a set of related functions that non-abstract class or struct must implement. An interface can define a static method, which must have an implementation. # C pattern matching provides a more concise syntax for testing expressions and taking measures when expressions match [3].

### 2.3 Development Environment

According to the introduction of the above related technical contents, the configuration and deployment of the development process of the consultation resource platform for ideological and political theory courses in colleges and universities can be completed. The bottom development tool of this platform is Visual Studio 2022, and the operating system is based on Windows 11.0. In the aspect of web server, IIS version 10.0 is selected,

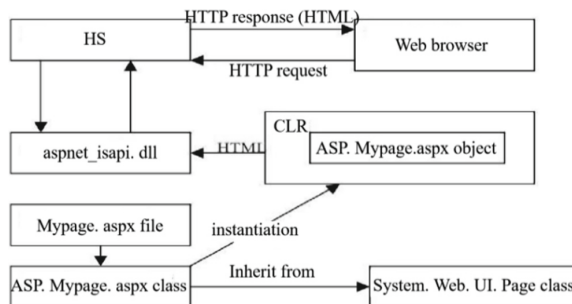


Fig. 1. NET workflow flow chart (original)

SQL server 2022 is selected as the data storage tool, and the full-stack technology tools provided by Microsoft are used to improve the operation capability of the server.

Through the description of the above key technologies, we have roughly planned the overall framework, and made clear the feasibility of establishing the consultation resource platform for ideological and political theory courses in colleges and universities.

### 3 Function Implementation

#### 3.1 Teacher Side

Teachers enter the consultation resource platform of ideological and political theory course in colleges and universities, and click the “Teacher’s Entrance” button to log in. After successful login, teachers will see two paging buttons in the top navigation bar, “Knowledge Reserve” and “Teaching Ability”. The specific functional modules are as follows:

The Knowledge Reserve page is divided into two sub-pages in the sidebar: ideological and political resources sharing and ideological and political elements development. “Ideological and political resources sharing” mainly aims at sorting out and sharing the existing ideological and political resources. Teachers can collect ideological and political education resources, such as open ideological and political education classes, ideological and political education journals [4]. The “Ideological and Political Elements Development” page is equivalent to an open forum, where teachers can freely discuss. Teachers can ask other teachers about problems encountered in the process of ideological and political teaching, consult publicly, or consult a teacher alone [5].

There are three tabs in the sidebar of the Teaching Ability page, which are mainly divided into cooperative lesson preparation, online lectures and two-way course evaluation. Teachers click to enter the page of “cooperative lesson preparation”, and they can see the list of courses that are “preparing lessons” and “completing lessons”. Teachers can join the ideological and political courses that are preparing lessons to prepare lessons in cooperation, in the form of co-production of lesson plans, co-editing of courseware PPT, co-production of teaching videos, etc. [6]. On the “online lectures” page, teachers can upload their own videos of ideological and political courses for other teachers to watch and learn, or watch videos uploaded by other teachers. The code of the video upload part is shown in Fig. 3. On the “two-way course evaluation” page, teachers can grade a specific course, or make experience consultation or suggestions to the course teachers, so as to form an atmosphere of mutual learning and mutual help [7]. The Bayesian statistical algorithm is adopted in the course evaluation, as shown in Formula 1

$$WR = \frac{v}{v+m}R + \frac{m}{v+m}C \quad (1)$$

Among them, WR is weightedRating, R is the average rating of users voting in this course, V is the number of votes in this course, M is the lowest number of votes in the top 100 courses, and C is the average score of all courses [8].

```
//Create a progress bar to display in real time during the file upload process.
uploader.on('uploadProgress', function (file,percentage) {
    var $li = $('#'+ file.id),
        $percent = $li.find(".progress .progress-bar");
    //Avoid duplication
    if (!$percent.length){
        $percent = $('<div class="progress progress-striped active">'+
            '<div class="progress-bar" role="progressbar" style="width: 0%6">'+
            '</div>'+
            '</div>').appendTo($li).find(".progress-bar");
    }
}
```

**Fig. 2.** Code of video uploading function (original)

### 3.2 Administrator Side

There are two main functions of the administrator side: resource audit and system maintenance. The resource audit can be divided into two steps: automatic system audit and manual administrator audit. Administrators need to agree to upload compliant and high-quality resources, and intercept and delete non-compliant resources. System maintenance is to modify some or all of the programs according to the changes of requirements or hardware environment; According to the change of system environment, modify the current code; Make technical guarantee for the safe operation of intranet [9].

## 4 Conclusions

The consultation resource platform of ideological and political theory course in colleges and universities provides communication and consultation for ideological and political course teachers, improves teachers' teaching ability from three aspects: knowledge reserve, teaching ability and training and further study, builds a professional platform for building a high-level ideological and political teacher team, and improves ideological and political education resources from the perspective of teachers, so as to promote colleges and universities to train successors of socialist cause more efficiently. In the future exploration and research, we will continue the research on the consultation resource platform of ideological and political theory courses in colleges and universities, and provide a service platform with richer functions and more stable performance for ideological and political course teachers, thus contributing to the ideological and political education of the party and the country [10].

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