

Research on the Team Management Mechanism of Class Committee in College Students—Analysis Method Based on AHP

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Abstract: Class is the most basic organizational form of daily management in college students, the main front for the implementation of various educational activities, and plays a core role in the construction of a fine study and school style. The research on the team management mechanism of class committee has an important influence on class management, construction of class atmosphere and class culture, class cohesion, and class appeal. Based on the AHP analysis method, this paper adopts qualitative and quantitative methods to quantitatively analyze assessing indexes of class committee. Through the setting of the indicator coefficient of the class committee and the precise management of data, the class committee can better clarify the responsibility of position and the division of task. It is helpful to realize the precise management of student affairs, thereby forming a scientific management mode that promotes excellence by evaluation and learning by excellence.

Keywords: ideological and political education, class management, class committee construction, AHP analysis

The ideological and political education in colleges and universities must focus on students, take care of students and serve them, cultivate excellent school and study style, improve students' ideological level, political consciousness, moral quality and cultural accomplishment, and make students become all-round talents with both integrity and ability and comprehensive development. As the main front of ideological and political education for college students, colleges and universities undertake the great mission of fostering people with morality^[1]. Class is the most basic organizational form of daily management in college students, the main front for the implementation of various educational activities, and plays a core role in the construction of a fine study and school style. Class management plays an important guiding role in the self-education, self-management, self-service, self-supervision and self-improvement of college students. The group of college students are in the stage of life development "jointing booting stage", which is the period that most needs careful guidance and cultivation. The construction of good study style of class, the improvement of management methods, and the promotion of ideological and political education have important guiding meaning for the comprehensive development of college students' sound moral grounding, intellectual ability, physical vigor, aesthetic sensibility and work skills.

At present, there have been preliminary studies on the class management mechanism of college students in academic circles. It mainly analyzes and discusses three aspects: ideological and political education^[2], college student self-management^[3-6], and goal management of class^[7-13]; it makes practice and reflections on improving the effectiveness of class management. However, there is less focus on group of class committee in class management. The construction and management of class committee plays a vital role in class management. Whether the group of class committees can unite and cooperate, and whether they can play a leading and exemplary role has a great impact on the creation and management of the class. If the group of class committee lacks cohesion and charisma, and is indifferent to the class group, it will often lead to a lack of collective ideas, sense of responsibility, happiness and honor among the students in the class. Recently, the enthusiasm of the group of class committee in college students is generally low, and they are often forced to complete the tasks assigned by the instructor or the head teacher, so that the results obtained are often not satisfactory. College students' campaigns for class committee members also show a trend that the higher the grade, the weaker the enthusiasm. The reason lies in the uneven work distribution of class committees, the unclear reward and punishment system, and the lack of reflection of class committee's own value^[14]. Therefore, the construction and management of class committee becomes an urgent problem to be considered and

solved. In this paper, AHP algorithm will be used to give a technical understanding and analysis of class management and class committee construction, so as to achieve a more comprehensive and accurate grasp of construction and management of class committee, build a set of scientific and reasonable class management system, guide the healthy growth of college students into adulthood and talent.

1. The creation of management mechanism in the class committee

The creation of management mechanism in the class committee has an important influence on class management, construction of class atmosphere and culture, class cohesion, and class appeal. A good class committee management system can not only mobilize the enthusiasm of class committee in group work, create a good learning atmosphere in the class, encourage class members to help each other in harmony, but also enhance the teamwork of class students. The class committee is the assistant of the instructor or the head teacher, the bridge of interaction between the teacher group and the student group, the core strength of the student's self-management, self-supervision and self-education, and plays an important role in class management. If the group of class committee cannot upload and release information well, it will lead to information delay, omission and failure to report, which will affect the normal study, life and healthy growth of the class students. Especially during the period of COVID-19, how can instructor or the head teacher better grasps the health status of students in the management of college classes? How are the students' the online courses? What is the situation of the students' mental health? How to carry out the class themed Party Day activities, Communist Youth League Day activities, and class meetings? How to better carry out ideological and political education during the period of COVID-19? In addition to the means of necessary network technology and professional knowledge, the important role played by the class committee group in the development of these tasks must be evident. Combined with my own work experience and practice process, the author has formulated a set of scientific and reasonable class committee management system, defined the responsibilities and assessment standards of each class committee, and defined the division of work among class committee members. The specific situation is shown in Figure 1 and Table 1:

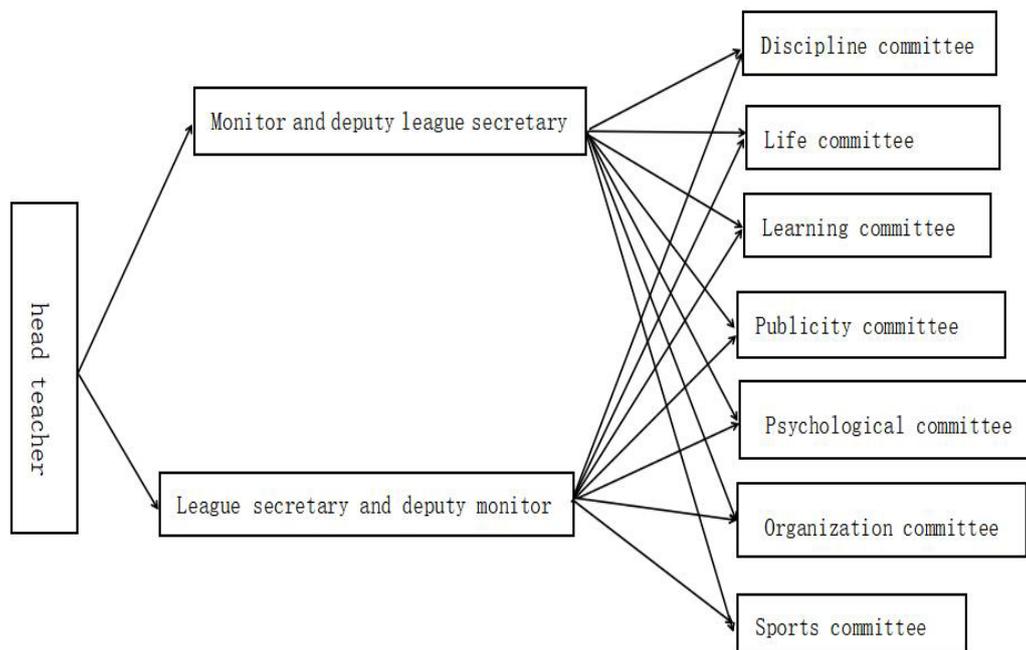


Figure 1: Classification Table of Management Structure in the Class Committee

The Monitor and deputy league secretary and the League secretary and deputy monitor are important parts of the class committee. The solid line represents the primary management, while the dotted line represents the secondary management. The Monitor and deputy league secretary and the League secretary and deputy monitor complement and cooperate with each other to improve the management system of class committee.

1.1 Monitor and deputy league secretary

The monitor and deputy league secretary is in primary charge of discipline committee, life committee, learning committee, and in secondary charge of publicity committee, psychology committee, organization committee, sports committee. The main task is to coordinate class work, playing an exemplary role.

1.2 League secretary and deputy monitor

The league secretary and deputy monitor is in primary charge of publicity committee, psychology committee, organization committee, sports committee, and in secondary charge of discipline committee, life committee, learning committee. The main task is the league branch construction, ideological and political education and publicity work.

1.3 Discipline committee

Main tasks: to check class attendance, remind students who are absent, late or leave early, and timely report to the instructor.

1.4 Life committee

Main tasks: to manage the expenditure of funds of the class, collect and pay fees for League members and Party members of the class; to handle dormitory culture construction, dormitory conflict and other related matters.

1.5 Learning committee

Main tasks: to communicate with the teacher; to supervise, remind, and help the students with poor grades in the class, and create a good study style in the class.

1.6 Publicity committee

Main tasks: to do a good job in the publicity work of the class such as the class Party Day activities, league day activities, themed class meetings, dormitory cultural construction and other contents; to create a good class spirit of the class.

1.7 Psychology committee

Main tasks: to understand the study, life and psychology status of classmates, and to help, enlighten and communicate with students with psychological problems in time; to conduct lectures on psychological knowledge and class meetings on psychological topics.

1.8 Organization committee

Main tasks: to organize and carry out class collective activities; to formulate the class meeting system; to assist the league branch secretary to carry out League Day activities, integrity tests and class safety meetings.

1.9 Sports Committee

Main tasks: to carry out class sports related activities; to organize students to participate in school sports meeting; to improve the physical quality and sports ability of the class.

Table 1: Performance Assessment Indicators of Class Committee

Assessment goal	Monitor and deputy league secretary	Discipline committee	1. Hand in the weekly attendance sheet 2. Excellence degree of the class attendance rate 3. Organization of related activities
		Life committee	1. Summarize the monthly financial expenditure report of the class 2. Pay the league fee of class on time 3. Dormitory conflict 4. Organization of related activities
		Learning committee	1. The number of assignments send and receive according to the compulsory courses 2. Whether to complete the work of assignments sent and received on time 3. Organization of related activities
	League secretary and deputy monitor	Duty work of the Monitor	1. Win the prize of the outstanding class 2. The rate of passing the CET-4(%) 3. Organization of related activities
		Publicity committee	1. Times of class activity publicity and report 2. Conscription and enlistment 3. Organization of related activities
		Psychology committee	1. Check and report the number of students of psychological problems 2. The number of interviews with students with psychological problems 3. Organization of related activities
		Organization committee	1. Cheating in the exam 2. Illegal appliances 3. Organization of related activities
		Sports Committee	1. The number of students who are organized to participate in the school sports meeting every year 2. Inspection of dormitory hygiene 3. Organization of related activities
		Duty work of the league secretary	1. Obtain awards in the class debate 2. The rate of hanging branch 3. Party or League work 4. Organization of related activities

2. AHP model setting of evaluation mechanism in the class committee

2.1 AHP algorithm

Table 2: The Meaning of Scale from 1 to 9 Levels

Scale a_{ij}	Meaning
1	Indicates that compared to two elements, they are equally important.
3	Indicates that compared to two elements, one element is slightly more important than the other.
5	Indicates that compared to two elements, one element is obviously more important than the other
7	Indicates that compared to two elements, one element is more important than the other.
9	Indicates that compared to two elements, one element is extremely important than the other.
Note: $a_{ij} = 2,4,6,8$ -- is a fuzzy mathematical value without obvious definition, which should be considered as appropriate.	

AHP (Analytic Hierarchy Process) is a method proposed by American operations researcher Professor Saaty in the 1970s to solve multi-factor, multi-level, and complex problems^[15]. The basic idea is to decompose complex issues into various components, determine their relative importance through pairwise comparison, and finally get the more important one. AHP adopts the 1-9 level scale method to quantify the data, and ensure the logic of the judgment through the consistency test. The meaning of scale is shown in Table 2:

Suppose there are n factors ($a_1, a_2, a_3, \dots, a_n$) which have an impact on the target, and the expert scores the judgment matrix A , as shown in formula (1).

$$A = \begin{bmatrix} a_{11} & a_{12} & \cdots & a_{1n} \\ a_{21} & a_{22} & \cdots & a_{2n} \\ \cdots & \cdots & \cdots & \cdots \\ a_{n1} & a_{n2} & \cdots & a_{nn} \end{bmatrix} \quad (1)$$

where $a_{ij} (i, j \in n)$ belongs to the scale value, and $a_{ij} > 0, a_{ij} = \frac{1}{a_{ji}}, a_{ii} = 1$, n is the order of the judgment matrix. In this paper, the maximum eigenvalue and eigenvector of the matrix are obtained by the sum method. The calculation method is as follows:

Normalize each column vector of judgment matrix A to obtain matrix

$$B = \begin{bmatrix} b_{11} & b_{12} & \cdots & b_{1n} \\ b_{21} & b_{22} & \cdots & b_{2n} \\ \cdots & \cdots & \cdots & \cdots \\ b_{n1} & b_{n2} & \cdots & b_{nn} \end{bmatrix}, \text{ where } i, j \in n, \quad b_{ij} = \frac{a_{ij}}{\sum_{i=1}^n a_{ij}}$$

Sum matrix B by row to get $C = (c_1, c_2, \dots, c_n)^T$, where $c_i = \sum_{j=1}^n b_{ij}, i = 1, 2, 3, \dots, n$.

Normalize C to $W = (w_1, w_2, \dots, w_n)^T$, where $w_i = \frac{c_i}{\sum_{i=1}^n c_i}, i = 1, 2, 3, \dots, n$, w_i That is the approximate feature vector.

Calculate $\lambda = \frac{1}{n} \sum_{i=1}^n \frac{(AW)_i}{W_i}$ as the approximate value of the maximum eigenvalue.

After the maximum eigenvalue and the corresponding eigenvector are obtained, the consistency of the judgment matrix A is verified. And introduce the random consistency index $R.I$ to solve the consistency index $C.I$ and the consistency ratio $C.R$ of matrix A .

(5) Conduct consistency test. The steps of consistency check are as follows:

- (a) Consistency index $C.I$ is calculated, where n is the order of the judgment matrix.
- (b) Calculate the average random consistency index $R.I$.

$R.I$ is obtained by taking the arithmetic mean after repeatedly calculating the eigenvalues of the random judgment matrix. The following table shows the average random consistency index of $1 \sim 15$ dimensional matrix of repeated calculation for 1000 times, as shown in Table 3:

Table 3: The Average Random Consistency Index of 1~15 Dimension Matrix Repeated Calculation 1000 Times

Dimension	1	2	3	4	5	6	7	8	9	10	11	12
$R.I$	0	0	0.52	0.89	1.12	1.26	1.36	1.41	1.46	1.47	1.52	1.54

(c) Calculate consistency ratio $C.R : C.R = C.I/R.I$

When $C.R < 0.1$, it is generally considered that the consistency of the judgment matrix is acceptable.

2.2 The AHP hierarchy model is established

Table 4: AHP Algorithm Hierarchical Structure Model of Performance Evaluation Indicators Class

Committee

Goal layer A	Criterion layer B	Sub-criteria layer C	Scheme layer D
Assessment goal (A)	Monitor and deputy league secretary (B ₁)	Discipline committee (C ₁)	1. Hand in the weekly attendance sheet (D ₁) 2. Excellence degree of the class attendance rate (D ₂) 3. Organization of related activities(D ₃)
		Life committee(C ₂)	1. Summarize the monthly financial expenditure report of the class (D ₄) 2. Pay the league fee of class on time(D ₅) 3. Dormitory conflict (D ₆) 4.Organization of related activities(D ₇)
	League secretary and deputy monitor (B ₂)	Learning committee(C ₃)	1. The number of assignments sent and received shall be subject to the compulsory courses (D ₈) 2. Whether to complete the work of assignments sent and received on time (D ₉) 3. Organization of related activities(D ₁₀)
		Duty work of the Monitor(C ₄)	1. Win the prize of the outstanding class (D ₁₁) 2. The rate of passing the CET-4(%) (D ₁₂) 3. Organization of related activities(D ₁₃)
		Publicity committee(C ₅)	1. Times of class activity publicity and report (D ₁₄) 2. Conscription and enlistment (D ₁₅) 3. Organization of related activities(D ₁₆)
		Psychology committee(C ₆)	1. Check and report the number of students of psychological problems (D ₁₇) 2. The number of interviews with students with psychological problems (D ₁₈) 3. Organization of related activities(D ₁₉)
		Organization committee(C ₇)	1. Cheating in the exam (D ₂₀) 2. Illegal appliances (D ₂₁) 3. Organization of related activities(D ₂₂)
		Sports Committee(C ₈)	1. The number of students who are organized to participate in the school sports meeting every year (D ₂₃) 2. Inspection of dormitory hygiene(D ₂₄) 3. Organization of related activities(D ₂₅)
		Duty work of the league secretary(C ₉)	1. Obtain awards in the class debate (D ₂₆) 2. The rate of hanging branch (D ₂₇) 3. Party or League work (D ₂₈) 4. Organization of related activities(D ₂₉)

It can be seen from Table 1 that the author combined his own work experience and practical process to formulate a scientific and reasonable class committee management system, clarified the responsibilities and assessment standards of each class committee, and also clarified the division of work among class committee members. Among them, the Monitor and deputy league secretary and the League secretary and deputy monitor not only have the responsibility of managing other class committees, but also their own work, while other class committees only need to do their own work. Combined with AHP algorithm, the hierarchical structure model of AHP algorithm is as follows, as shown in Table 4.

2.3 Construct a judgment matrix

According to Table 4, the AHP algorithm hierarchy structure model of performance assessment indicator in the class committee can be seen, so judgment matrix of each level can be constructed. According to the scoring principle in Table 2 and after discussion and scoring by several industry experts in the university, all the judgment matrices needed in this paper are obtained, among which the judgment matrix of the target layer is shown in Table 5.

Table 5: Judgment Matrix of Target Layer

A-class assessment goal	Monitor and deputy league secretary	League secretary and deputy monitor
Monitor and deputy league secretary	1	1
League secretary and deputy monitor	1	1

The maximum eigenvalue of matrix A is $\lambda_A = 2$; the eigenvector corresponding to its maximum eigenvalue is $\lambda_A = 2$. Similarly, the maximum eigenvalues of matrix B1 and matrix B2 and the eigenvectors corresponding to their maximum eigenvalues can be obtained, as shown in Table 6 and 7.

Table 6: Judgment Matrix of the Monitor and Deputy League Secretary

B ₁ -C	C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	C ₇	C ₈
C ₁	6/6	6/3	6/5	6/7	6/4	6/5	6/4	6/3
C ₂	3/6	3/3	3/5	3/7	3/4	3/5	3/4	3/3
C ₃	5/6	5/3	5/5	5/7	5/4	5/5	5/4	5/3
C ₄	7/6	7/3	7/5	7/7	7/4	7/5	7/4	7/3
C ₅	4/6	4/3	4/5	4/7	4/4	4/5	4/4	4/3
C ₆	5/6	5/3	5/5	5/7	5/4	5/5	5/4	5/3
C ₇	4/6	4/3	4/5	4/7	4/4	4/5	4/4	4/3
C ₈	3/6	3/3	3/5	3/7	3/4	3/5	3/4	3/3
$w_{B1} = (0.16, 0.081, 0.14, 0.19, 0.11, 0.14, 0.11, 0.081)$; $\lambda_{max} \approx 8$ $C.R < 0.1$;								

Table 7: Judgment Matrix of the League Secretary and Deputy Monitor

B ₂ -C	C ₁	C ₂	C ₃	C ₅	C ₆	C ₇	C ₈	C ₉
C ₁	6/6	6/3	6/5	6/4	6/5	6/4	6/3	6/7
C ₂	3/6	3/3	3/5	3/4	3/5	3/4	3/3	3/7
C ₃	5/6	5/3	5/5	5/4	5/5	5/4	5/3	5/7
C ₅	4/6	4/3	4/5	4/4	4/5	4/4	4/3	4/7
C ₆	5/6	5/3	5/5	5/4	5/5	5/4	5/3	5/7
C ₇	4/6	4/3	4/5	4/4	4/5	4/4	4/3	4/7
C ₈	3/6	3/3	3/5	3/4	3/5	3/4	3/3	3/7
C ₉	7/6	7/3	7/5	7/4	7/5	7/4	7/3	7/7
$w_{B12} = (0.16, 0.081, 0.14, 0.11, 0.14, 0.11, 0.081, 0.19)$; $\lambda_{max} \approx 8$ $C.R < 0.1$;								

Table 8: Judgment Matrix of Discipline Committee

C1-D	D1	D2	D3
d2	5/5	5/7	5/4
d3	7/5	7/7	7/4
d4	4/5	4/7	4/4
$W = (0.31, 0.44, 0.25)$; $\lambda_{max} = 3$ $C.R < 0.1$			

Similarly, in the same way, this article also got discipline committee, life committee, learning committee, duty work of the monitor and other related judgment matrix eigenvalues and corresponding eigenvectors, and the end of each class committee and every detail of each class committee work in specific weight coefficient, the details are shown in table 8-17 below.

Table 9: Judgment Matrix of Life Committee

C2-D	D4	D5	D6	D7
D4	2/2	2/3	2/5	2/4
D5	3/2	3/3	3/5	3/4
D6	5/2	5/3	5/5	5/4
D7	4/2	4/3	4/5	4/4
$W = (0.14, 0.21, 0.36, 0.29);$ $\lambda_{\max} = 4; \text{ C.R.} < 0.1$				

Table 10: Judgment Matrix of Learning Committee

C3-D	D8	D9	D10
D8	2/2	2/5	2/4
D9	5/2	5/5	5/4
D10	4/2	4/5	4/4
$W = (0.18, 0.45, 0.36);$ $\lambda_{\max} = 3$ $\text{C.R.} < 0.1$			

Table 11: Judgment Matrix of Duty Work of the Monitor

C4-D	D11	D12	D13
D11	8/8	8/7	8/4
D12	7/8	7/7	7/4
D13	4/8	4/7	4/4
$W = (0.42, 0.37, 0.21);$ $\lambda_{\max} = 3$ $\text{C.R.} < 0.1$			

Table 12: Judgment Matrix of Publicity Committee

C5-D	D14	D15	D16
D14	2/2	2/7	2/4
D15	7/2	7/7	7/4
D16	4/2	4/7	4/4
$W = (0.15, 0.54, 0.31);$ $\lambda_{\max} = 3$ $\text{C.R.} < 0.1$			

Table 13: Judgment Matrix of Psychology Committee

C6-D	D17	D18	D19
D17	6/6	6/2	6/4
D18	2/6	2/2	2/4
D19	4/6	4/2	4/4
$W = (0.5, 0.17, 0.33);$ $\lambda_{\max} = 3$ $\text{C.R.} < 0.1$			

Table 14: Judgment Matrix of Organization Committee

C7-D	D20	D21	D22
D20	7/7	7/5	7/4
D21	5/7	5/5	5/4
D22	4/7	4/5	4/4
$W = (0.44, 0.31, 0.25);$ $\lambda_{\max} = 3$ $\text{C.R.} < 0.1$			

Table 15: Judgment Matrix of Sports Committee

C8-D	D23	D24	D25
D23	5/5	5/7	5/3
D24	7/5	7/7	7/3
D25	4/5	4/7	4/3
$W = (0.31, 0.44, 0.25);$ $\lambda_{\max} = 3$ C.R. < 0.1			

Table 16: Judgment Matrix of Duty Work of the League Secretary

C9-D	D26	D27	D28	D29
D26	7/7	7/5	7/4	7/4
D27	5/7	5/5	5/4	5/4
D28	4/7	4/5	4/4	4/4
D29	4/7	4/5	4/4	4/4
$W = (0.35, 0.25, 0.2, 0.2);$ $\lambda_{\max} = 4$ C.R. = 0				

Table 17: Final Importance Division Table

Scheme Scheme Scheme Weight Importance Criter Weight Criterion	D	B ₁	B ₂	Total Weight		
		0.5	0.5			
C ₁	D ₁	0.31	0.16	0.16	0.32	0.099
	D ₂	0.44				0.14
	D ₃	0.25				0.08
C ₂	D ₄	0.14	0.081	0.081	0.16	0.022
	D ₅	0.21				0.034
	D ₆	0.36				0.058
	D ₇	0.29				0.046
C ₃	D ₈	0.18	0.14	0.14	0.28	0.050
	D ₉	0.45				0.13
	D ₁₀	0.36				0.10
C ₄	D ₁₁	0.42	0.19	0	0.19	0.080
	D ₁₂	0.37				0.070
	D ₁₃	0.21				0.040
C ₅	D ₁₄	0.15	0.11	0.11	0.22	0.033
	D ₁₅	0.54				0.1188
	D ₁₆	0.31				0.068
C ₆	D ₁₇	0.5	0.14	0.14	0.28	0.14
	D ₁₈	0.17				0.048
	D ₁₉	0.33				0.092
C ₇	D ₂₀	0.44	0.11	0.11	0.22	0.097
	D ₂₁	0.31				0.068
	D ₂₂	0.25				0.055
C ₈	D ₂₃	0.31	0.081	0.081	0.16	0.050
	D ₂₄	0.44				0.070
	D ₂₅	0.25				0.04
C ₉	D ₂₆	0.35	0	0.19	0.19	0.067
	D ₂₇	0.25				0.048
	D ₂₈	0.2				0.038
	D ₂₉	0.2				0.038

3. The model result of management mechanism in class committee

Table 18: Classification of Excellent, Medium, and Poor

Excellent	Medium	Poor
8-10points	6-7points	1-5points

Table 19: Class Committee Assessment Score Sheet

Head teacher	Monitor and deputy league secretary	Discipline committee	1. Hand in the weekly attendance sheet 2. Excellence degree of the class attendance rate	1. Hand in on time for a week plus 1 point, otherwise no points will be added; 2. (1) Over 95%, 8-10 points; (2) Over 90%, 7-8 points; (3) 85% or less, 1-5 points;
		Life committee	1. Summarize the monthly financial expenditure report of the class 2. Pay the league fee of class on time 3. Dormitory conflict	1. Summarize on time and add 1 point once, otherwise no points will be added; 2. 1 point for pay once on time, otherwise no points will be added; 3. Add 5 points for solving a dormitory conflict, up to 25 points;
		Learning committee	1. The number of assignments sent and received shall be subject to the compulsory courses 2. Whether to complete the work of assignments sent and received on time	1. One compulsory course or distributional electives, 1 point; 2. (1) Excellent, 8-10 points; (2) Medium, add 6-7 points; (3) Poor, add 1-5 points;
		Duty work of the Monitor	1. Win the prize of the outstanding class 2. The rate of passing the CET-4(%)	1. (1) 10 points for the first prize; (2) 8 points for the second prize; (3) 6 points for the third prize; 2. (1) Increase by more than 10%, 8-10 points; (2) Increase by 10%-5%, 6-7 points; (3) Increase by 5%-3%, 1-5 points;
	League secretary and deputy monitor	Publicity committee	1. Times of class activity publicity and report	1. (1) Class official account once, 5 points; (2) School net once, 6-7 points; (3) Social media, newspaper once, 8-10 points;
		Psychology committee	1. Check and report the number of students of psychological problems 2. The number of interviews with students with psychological problems	1. Find one person, 10 points; 2. One interview, 1 point;
		Organization committee	1. Cheating in the exam 2. Illegal appliances 3. Organization of related activities	1. (1) 20 points for cheating in the exam; (2) 0 point for cheating in the exam; 2. (1) 30 points for non-illegal electrical appliances; (2) 10 points for less than 2 persons; (3) 0 point for others;
		Sports Committee	1. The number of students who are organized to participate in the school sports meeting every year 2. Inspection of dormitory hygiene	1. The school sports (1) 1 participant, 1 point; (2) First prize, 10 points; (2) Second prize, 8 points; (3) Third prize, 6 points; 2. Awards for this academic year's Dormitory competition: (1) First prize, 10 points; (2) Second prize, 8 points; (3) Third prize, 5 points;
		Duty work of the league secretary	1. Obtain awards in the class debate 2. The rate of hanging branch 3. Party or League work	1. (1) First prize, 10 points; (2) Second prize, 8 points; (3) Third prize, 6 points; 2. (1) Less than 5% in this academic year, 8-10 points; (2) 5%-10%, 6-7 points; (3) About 10%, 1-5 points 3. (1) Excellent, 10 points; (2) Medium, 7-8 points; (3) Poor, 1-5 points;

Through the above theoretical analysis, this paper not only obtains the specific work and details of each class committee in class management, but also uses AHP algorithm to quantify it. Through the coefficient of specific assessment items of class committee group, each class committee can understand more clearly the work that each class committee undertakes in the class management.

According to the actual situation of a university, the specific work details of each class committee member within a certain period of time can be qualitatively judged in three aspects: excellent, medium, and poor. Among them, 8-10 points are excellent, 6-7 points are medium, and 1-5 points are poor (see Table 18). Finally, a detailed scoring schedule for each class committee is developed, as shown in Table 19.

4. Conclusion

Through the development of class committee assessment score sheet and specific quantitative analysis, the management mechanism of class committee is improved, and the work plan of class committee is optimized. The specific situations are as follows:

Firstly, the paper adopts qualitative and quantitative methods to conduct quantitative analysis of class committee group assessment indicators, which is more comprehensive in content, scientific in method, and accurate and objective in evaluation results. It achieves the combined effect of qualitative and quantitative, work evaluation and effect evaluation, supply side evaluation and demand side evaluation. This method helps the class committee's work performance to be open and transparent, increases the recognition and trust of the class committee group among the classmates, and is conducive to the class counselor or head teacher's selection of typical class committee groups and improve the class committee mechanism selection, management and training system^[16].

Secondly, the class committee group can better clarify the responsibility and division of tasks in their own positions, which increases the professionalism and enthusiasm of the class committees to a certain extent, and also promotes the self-learning, self-management, and self-service spirit and ability of class members and students. In addition, the class committee evaluation system can reflect the characteristics of the class committee's own work, which is conducive to giving full play to the class committee's own advantages and exploring the strengths and shining points of class members, promoting the overall development of the class, and being helpful for the class to form a scientific management model that promotes excellence by evaluation and learning by excellence.

Thirdly, through the setting of the index coefficients of the class committees and the refined management of data, the precise management of student affairs in the class can be realized. Take the life committee and psychology committee as examples, the collection of class student data includes not only the name, age, experience, home address, parent contact information, hobbies and other regular information of the class student, but also life track, consumption data, value preference, etc. daily online behavior data. Integrate and analyze various aspects of data, "through data analysis to find out the internal connections, provide differentiated services according to different needs, maximize the use of resources, and achieve precision management and services.", we will better provide more thoughtful services for students' ideological value guidance, mental health education, innovation and entrepreneurship and employment and other related matters^[17].

In the process of fostering virtue, higher education should do well in ideological and political work, party construction and student work. This requires colleges and universities to continuously innovate new models of student management. In colleges and universities, mainly composed of the Party and government cadres, Communist Youth League cadres, and counselors in charge of student affairs play a vital role here. The class committee is an important gripper for college counselors to implement student management. They have explored the new system and new platform of the class committee group, gathered the class strength, and promoted the class committee group to be more professional. Improving, selecting, and cultivating outstanding class committee teams is conducive to taking roots in the work of establishing morality in universities, and it is a long-term mechanism for maintaining the stability of universities.

References

[1] CCTV. *Speech at the National Conference on Ideological and Political Work of Colleges and Universities*[R].(2016-12-08)[2020-05-26].

- [2] Yan Xu. *Research on the Ideological and Political Education Strategies of College Students in the New Era*[J]. *Education and Occupation*, 2015, (7): 65-67.
- [3] Min Zhou, Jie Du. *Research on Class Collective Management Based on Individual Differences of College Students*[J]. *School Party Building and Ideological Education*, 2018, (24):55-56.
- [4] Zhen Zhang, Yimin Chen, Lin Liu. *Investigation and Analysis of Differences in Self-management Level of College Students* [J]. *Higher Education Management*, 2014, 9(11):111-114.
- [5] Binxia Wang. *Cultivation of College Students' Subject Consciousness and Class Management Efficiency* [J]. *Journal of Henan Normal University (Philosophy and Social Sciences Edition)*, 2010, 37(4): 258-259.
- [6] Gan Xu. *Discussion on the Status and Role of College Students in Class Routine Management* [J]. *Journal of Southwest Minzu University (philosophy and social sciences edition)*, 2002, 23(S2):246-247.
- [7] Leifen Shi. *Application of Z Theory in Class Management of Farmer College Students*[J]. *China Adult Education*, 2012, (3): 25-26.
- [8] Xiaohui Yao. *On the Problems and Countermeasures of College Students' Class Management in the Internet Era* [J]. *China Newspaper Industry*, 2011, (20):135-136.
- [9] Xianyong Ma. *The Embodiment of the "People-oriented" Concept in Class Management*[J]. *Teaching and Management*, 2011, (27): 52-53.
- [10] Yongkui Deng, Shanying Zhang. *An Analysis of the Ways and Methods for College Students to Achieve Class Goal Management* [J]. *Hubei Social Sciences*, 2009, (11): 172-174.
- [11] Lin Lu, Hongtao Wang, Wenbin Suo, Jiao Ni. *Practice and Thinking of "Virtual Class" Management Model* [J]. *Jiangsu Higher Education*, 2008, (4):105-106.
- [12] Zhixiang Liu, Xiaohong Xiong. *On the Democratic Management Mode of the Class in Colleges and Universities* [J]. *Heilongjiang Higher Education Research*, 2004, (12): 31-32.
- [13] Jiayun Wang. *On Class Creation Management in Universities* [J]. *China Higher Education Research*, 2004, (12):58-59.
- [14] Nana Shao, Hongxia Zhang. *Innovation of College Class Management from the Perspective of Ecology* [J]. *School Party Building and Ideological Education*, 2020, (2): 58-62.
- [15] S T. L. Saaty. *Decision Making with the Analytic Hierarchy Process* [J]. *International Journal of Services Sciences*, 2008 (1): 83-98.
- [16] Ling Xie, Zhifang Guo, Xin Wang. *Exploration of the All-round Education Mechanism for All the Staff and the Whole Process in Colleges and Universities in the New Era* [J]. *College Counselor*, 2018, (6):59-62.
- [17] Hongsheng Cai, En Li. *Innovation of College Student Affairs Management under the Background of Mobile Internet* [J]. *School Party Building and Ideological Education*, 2018, (34):52-52.