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The Role of Student Party Branches in Promoting Scientific Research Innovation: A Case Study of the Fifth Party Branch at the School of Automotive Engineering, Shandong Jiaotong University

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Abstract

"The strength of a country is due to its people, and the success of talents comes from learning." As an important educational platform, universities shoulder the fundamental task of cultivating morality and talents, and also have important responsibilities for talent cultivation and scientific research. Currently, cultivating the scientific research and innovation ability of college students is a national requirement of China and an inevitable requirement for the sustainable development of society in the future. University student Party branches are the main battlefield for theoretical innovation and practice of grassroots Party building. They seek new fulcrums in Party building work, combine Party building work with student academic technology, make Party building achievements "visible and tangible" in students' learning and life, implement scientific research and education, and strive to "revitalize" the research and innovation capabilities of student Party branches in order to assist in talent cultivation in schools.

Keywords: university student Party branch, Party building, student academic technology

1. Introduction

The 20th National Congress of the Communist Party of China put forward the strategic deployment of deepening the new great project of New Era Party building, and put forward new requirements for Party building. As the basis of all the work and combat effectiveness of the Party in colleges and universities, the student Party branch should keep close to the "last mile" of student Party members and contact them. It should follow the spirit of the 20th CPC National Congress, integrate the adherence to the correct political direction into the whole process of teaching, scientific research, management and talent cultivation, actively implement the general requirements of the New Era Party building, grasp the focus of work, and combine the characteristics of the school, based on the actual development of student Party branches, forge stronger and more powerful battle fortresses.

2. Analysis of the Current Situation of Party Building Leading Scientific Research Innovation in Student Party Branches

Student academic technology competitions are not only an important means to cultivate students' innovation and entrepreneurship abilities, but also an important way to test the effectiveness of talent cultivation in universities. As the "vanguard" in ideological and action, student Party members should play a leading and exemplary role in various student academic technology competitions. However, in the actual development and construction of student Party branches, the attention and support of Party building in guiding students' academic and technological innovation are not high, and the leadership is not strong. This is mainly reflected in the urgent need to improve the "revitalization" of student Party members, such as insufficient understanding of scientific research events, weak participation awareness, lack of scientific and technological innovation experience, weak overall cohesion, and unclear demonstration and leading role.

3. Measures to Enhance the Party Building Leading Students' Scientific Research and Innovation Ability

University student Party branches should firmly adhere to the main line of "cultivating what people, how to cultivate people, and for whom to cultivate people", firmly adhere to the principle of "one branch is a fortress, and one Party member is a banner", based on the actual situation of the branch, conduct in-depth research on the difficulties and pain points faced by Party branch members in student academic technology, and compare the annual rectification list and annual plan, according to the idea of "research leading the Party, high leading low, and Party members driving active members to join the Party", promote scientific research through Party building, and strengthen Party building through scientific research.

3.1 Help Branch Members Clarify What Academic Technology Competitions for Students Are? Why Actively Participate in Various Competitions?

Make full use of the monthly themed Party Day activities, branch meetings, and special learning opportunities to mobilize extensively, strengthen organizational construction, strengthen the leading role of Party building, and study various guidance materials on innovation and entrepreneurship for college students at all levels. Motivate students in their thinking, and use typical research cases from previous years to explain in detail why they need to participate in scientific research competitions, guiding students to set great aspirations based on their own development Mingda De, Chengda Cai, and shouldering great responsibilities. Maintain close contact with the school youth league committee, fully leverage the role of the school youth league committee in guiding confusion and direction, invite relevant responsible teachers to provide popularization lectures and key explanations, so that everyone can have a clearer understanding of the overall classification, specific requirements, importance, event arrangement, award awards, etc. of scientific research competitions, and do a good job of preheating and laying the groundwork. First, guide from the perspective of ideology, and then guide in action.

3.2 Fully Understand What Student Party Members Want to Learn, What They Need to Do, and What They Still Lack

On the basis of overall mobilization, the student branch secretary should be more proactive in grasping the current situation of students. The student branch secretary should have targeted conversations with Party members, Party member development targets, and Party joining activists who are extremely interested in student science and technology innovation, in order to gain a deeper understanding of everyone's more specific interests, research directions, preliminary plans, and various difficulties they face. Based on research feedback, the actual needs of Party members such as "what they want to learn", "what they need to do", and "what they still lack" were sorted out. Paired contacts were made with relevant professional teachers to develop one-on-one and one-on-one multi-professional guidance plans and design ideas for "graduate students leading undergraduate students, senior students leading junior students, and Party members leading active members into the Party".

3.3 Build a Communication and Learning Platform Based on the Actual Situation to Solve Students' Difficulties

In the process of developing and constructing student Party branches, we should maximize our efforts to help students break through the skill barrier, continuously expand the reservoir of student research teams, and actively create platforms for exchanging scientific and technological innovation experiences. On the one hand, we should organize and carry out

activities such as promoting academic science and technology competitions for students to enter the branch, and establish vanguard teams such as the "Science and Technology Pioneers" to take the lead in testing the water and opening up new paths; On the other hand, actively invite teachers in charge of academic science and technology competitions and professional course teachers from various departments to provide technical guidance, so that teachers who understand the competitions and majors can gather together in the branch, provide specific guidance through "one competition, one discussion", solve the problem of "what is lacking", guide everyone to find suitable ideas and methods, and proficiently master the determination of technical solutions, material organization, and physical experiment production in various science and technology competitions. The process of defense skills and work polishing.

3.4 Guided by Ideology, Solidify Scientific Research Achievements, and Form a Normalized Development and Demonstration Leading Role of the Branch's "Party Building + Scientific Research"

As some Party members, Party member development targets, and active members of the Party gradually participate in various student academic and technological competitions, it is necessary to continue to strengthen the ideological construction of the branch, organize and hold branch themed symposiums in a timely manner. On the one hand, we have understood the current participation situation and ideological attitude of everyone, continue to strengthen and guide from the ideological level, and integrate scientific research and innovative ideas into the daily work of Party building; On the other hand, the demonstration and promotion plan of "graduate students leading undergraduate students, senior students leading lower grades, and Party members driving active members to join the Party" has been deeply implemented, and the basic idea of joint participation between graduate students and undergraduate students, senior Party members leading active members to join the Party in lower grades, and cross professional and cross grade cooperation has been determined. The vanguard team of "scientific and technological innovation explorers" has played a leading role, using C and D competitions as the stepping stones, mainly anchoring A the goal of B-class events is to develop in a gradual and normal manner, raise a flag, and consolidate the foundation of the entire fortress in scientific research and innovation capabilities.

4. Reflection and Development on the Party Building of Student Party Branches Leading Scientific Research and Innovation Ability

1) It is an effective way to give full play to the progressiveness nature of the Party and improve the combat effectiveness of the Party organization to do a good job of leading by Party members. A Party member is a banner, and we should fully leverage the role model of Party members to extend the good atmosphere of participating in scientific and technological innovation from student Party members to ordinary students, strengthen the role of Party members in radiating scientific research and innovation, and prevent the advantageous resources of student Party branches from being sidelined and the potential innovation power of student Party members from being ignored.

2) Innovate the Party branch's "Party building + scientific research" work carrier, increase publicity efforts, carry out a series of special lectures on science and innovation, and address students' pain points and difficulties in scientific research competitions in a targeted manner; Build a multi-dimensional communication platform, invite outstanding Party members who have achieved outstanding results in scientific research competitions to give extensive lectures, and provide hands-on experience to help more students understand various competition rules, scientific and technological innovation skills, and enhance their scientific research and innovation abilities.

3) To further deepen the cooperation and exploration between student Party branches and professional teachers, between student Party branches and teaching and working Party branches, and within student Party branches, whether it is theoretical research of the Party or scientific research innovation in professional fields, we cannot create a closed door or bind ourselves. We should break the inherent thinking patterns and action limitations, stimulate the vitality of student Party branches, enrich the life of Party organizations, and enhance the cohesion of Party organizations.

4) Deeply explore the path of "Party building + scientific research" improvement, build "branches on disciplines", promote scientific research through Party building, and strengthen

Party building through scientific research. Fully leverage the effectiveness of Party building guidance and scientific research education, improve the scientific research literacy of Party branch secretaries, improve the Party member cultivation system, improve the student Party member examination system, further strengthen the scientific research atmosphere of student Party branches, and assist in talent cultivation in universities.

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