

Discussing the Iron Army Spirit and the Cultivation of Remote Sensing Technology Talents in Universities

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Abstract

At present, China's remote sensing career is still facing serious problems such as the US technology embargo and insufficient application of satellite data, which makes the demand for remote sensing technology talents increasingly urgent. How to scientifically cultivate high-quality remote sensing technical talents in universities has also become the focus of many scholars' research. Promoting the spirit of the Iron Army can help cultivate remote sensing talents with many good spirits such as unity and enterprise, pioneering and innovation, courage and boldness, which is a powerful grip for cultivating remote sensing talents. This paper explores the connotation and role of the Iron Army Spirit, integrates the Iron Army Spirit into the practice of cultivating remote sensing technical talents in universities, and cultivates a large number of high-quality technical talents for the remote sensing field.

Keywords

Remote sensing; Education; University; Iron Army Spirit.

1. The Connotation of the Iron Army Spirit

The New Fourth Army of the National Revolutionary Army (New Fourth Army for short) existed for nine years and four months, from its founding in October 1937 to its change in official designation in January 1947. Under the leadership of the Communist Party of China, it made a significant historical contribution to the survival of the Chinese nation and forged a great revolutionary spirit, namely the spirit of the Iron Army. The connotation of the spirit of the Iron Army mainly includes the following aspects.

1.1. Listen to the Party Command and Frim Faith

The New Fourth Army was able to forge ahead and overcome all the difficulties and dangers without a firm ideal and belief. Guided by Marxism-Leninism and Mao Zedong Thought, the New Fourth Army grew rapidly, increasing its strength from 10,000 to over 310,000 in ten years and establishing anti-Japanese bases across seven provinces, with numerous achievements. The firm communist ideology, noble patriotism, mission and responsibility to save the country and the people inspired the soldiers of the Iron Army to fight for the independence of the Chinese nation and for the happiness of millions of people, which is the core of the spirit of the Iron Army.

1.2. Perseverance and Struggle Hardly

The tenacity, bravery and courage of the Iron Army soldiers contributed to the glorious war success of the New Fourth Army. During the eight-year war of resistance, the New Fourth Army played the key role of a mainstay in the post-enemy war in Central China, fighting against 160,000 Japanese troops, accounting for 22% of the total number of Japanese troops invading China, and 230,000 pseudo-army troops, accounting for 23% of the total number of pseudo-army troops. 8 years, the New Fourth Army fought more than 24,600 battles, killing, wounding and capturing more than 470,000 Japanese and pseudo-army troops. In the midst of the

disparity between the military forces of the enemy and us, and in a hostile environment, the soldiers of the Iron Army were able to create base areas, fight bravely and achieve the ultimate victory, thanks to their perseverance and indomitable spirit of hard struggle.

1.3. Strict Disciplines

The strict disciplines is an important guarantee of the army's combat power, and is also one of the connotations of the New Fourth Army's Iron Army spirit. After the Southern Anhui Incident, the New Fourth Army entered a new period of development by strengthening the learning and education of party spirit, attaching importance to the construction of a formalised army and absolutely obeying the leadership of the Communist Party. The strengthening of political education and organize discipline strictly laid a solid foundation for the restoration and development of the New Fourth Army thereafter. In addition, the discipline of the masses, who did not take a single needle or thread from the masses, also made the New Fourth Army known as "the most civilised army in the world" by the people in the base areas.

1.4. Unity Inside and Outside and Take the Overall Situation Into Consideration

Unity is a magic weapon to defeat the enemy and a source of strength to strengthen ourselves. The New Fourth Army was made up of workers, peasants, intellectuals, repatriated Chinese and other people of different classes and identities, and the senior generals of the time came from all directions, with complex and diverse backgrounds. With the same goal of fighting against Japan and saving the country, the whole army was united in the interests of the overall situation. During the critical period of the war, the various departments of the New Fourth Army became more closely linked, cooperated with each other and fought side by side, making a great contribution to the eventual victory of the war against Japan. In their relations with the KMT, the New Fourth Army made concessions and compromises on many important issues for the sake of the national cause. The sense of unity and the sense of the bigger picture, which put aside former grudges, made the New Fourth Army an ace unit.

2. The Role of the Spirit of the Iron Army for the Cultivation of Remote Sensing Technology Talents in Universities

2.1. The Iron Army Spirit Helps Cultivate the Spirit of Unity and Struggle Among Remote Sensing Technology Talents

Unity and struggle is the inevitable way for the Chinese people to create a great work in history, and it is also an important connotation of the Iron Army spirit. All the achievements made by the Party and the people are the result of unity and struggle. Engels once pointed out, "As long as millions of working people are united as one and follow the best of their class, victory is guaranteed."

This is a profound explanation of the importance of unity and struggle. With the spirit of unity and struggle, we can correct the professional attitude of remote sensing talents, strengthen their professional ethics and motivate them to unite under the leadership of the Communist Party of China, dare to fight and be good at fighting!

2.2. The Spirit of the Iron Army Helps Cultivate the Pioneering and Innovative Qualities of Remote Sensing Technology Talents

The New Fourth Army was founded at a time of national survival, and its history of development is also an epic of continuous pioneering and innovation. History proves that the greater the cause, the more difficult and dangerous it is, the more the spirit of pioneering and innovation is needed. At present, China's remote sensing industry is facing serious problems such as the US technology embargo and inadequate application of satellite data. In such a difficult environment, Chinese remote sensing personnel need to have the iron army spirit of pioneering and

innovation. Under the leadership of the Iron Army spirit, remote sensing talents can cultivate the quality of seeking up and down and striving for development, so that no hardship or danger can stop remote sensing personnel from moving forward.

2.3. The Spirit of the Iron Army Helps to Cultivate the Efficient Execution of Remote Sensing Technology Talents

Good intentions and well-thought-out plans need to be ultimately implemented into action. Execution is the core of team spirit, and is the key to transforming team strategies and plans into results and benefits. There are still many difficult problems in the field of remote sensing technology that we need to overcome, and efficient execution can help the team to bring out the maximum combat power to solve and overcome various technical difficulties. Therefore, in the training process, we should cultivate the big picture concept of remote talents with the help of the Iron Army spirit, strengthen the discipline consciousness of remote sensing talents, and enhance the execution of remote sensing talents.

2.4. The Iron Army Spirit Helps Cultivate A Sense of Mission and Commitment In Remote Sensing Technical Personnel

The spirit of patriotism is the main theme of today's times, and is one of the important connotations of the Iron Army spirit. During the Anti-Japanese War it was the spirit of great patriotism that brought together fighters and generals from all directions to establish the New Fourth Army and achieve a series of great achievements. On the journey of social progress, we can also clearly see the powerful spiritual force that patriotism bursts forth, which can awaken the people's consciousness and strengthen the backbone of the nation. Therefore, cultivating the national spirit of patriotism as the core of university students through the spirit of the Iron Army will help cultivate their sense of mission and commitment, thus stimulating their powerful creativity.

3. The Practice of Integrating the Spirit of the Iron Army Into the Cultivation System of Remote Sensing Technology Talents in Universities

3.1. Set Up Successful Models and Play Their Leading and Exemplary Roles

In the process of cultivating talents in remote sensing technology, colleges and universities should set up successful models who have made significant achievements in academic performance, scientific research competitions and employment examinations with the spirit of iron army as early as possible, calling on students to learn from and look up to the models, giving full play to the role of demonstration and leading, and gradually creating an excellent learning style. In addition, in order to avoid advanced ideas becoming empty lectures, colleges and universities should actively seize the new position of network ideological leadership, through the network of new media to promote and report on successful models in all aspects, so that students can actually feel the powerful driving force of transforming the Iron Army spirit into concrete practice.

3.2. Build A Practical Platform to Carry Forward the Iron Army Spirit

Using practical training classes as a carrier to build a practical platform for the Iron Army can better pass on and promote the Iron Army spirit, and more effectively improve the quality of talent training. Universities need to rely on practical training classes to regularly promote the Iron Army spirit, guide students to integrate the Iron Army spirit into the aerospace spirit, enhance students' professional abilities through a project-driven approach, and inspire students to adore science and dare to innovate through discipline competitions. In addition, universities should set up a team of instructors with a scientific structure, so that they can

systematically carry out the work of the practical training classes and cultivate highly qualified engineering and application-oriented technical talents who are "thoughtful, skilled, capable and educated".

3.3. Innovative Talent Training Model Led By the Spirit of the Iron Army

Universities should attach great importance to the training of talents, benchmark national first-class professional construction, and focus on the combination of higher education development trends and the actual situation of the college school. In the process of cultivating talents in remote sensing technology, we should take the Iron Army practical training class as a grasp, and innovate and develop in various aspects such as personnel selection, training plan formulation, daily management and capability certification, so as to find new models and open up new ideas for carrying forward the Iron Army spirit and cultivating high-quality talents in remote sensing technology.

4. End Notes

The "Iron Army Spirit" is a valuable spiritual wealth left to us by our Party. Integrating the Iron Army Spirit into the cultivation of remote sensing talents in universities is a new practice to inherit and carry forward the Iron Army Spirit. We should continue to innovate the cultivation system of universities under the leadership of the Iron Army Spirit, cultivate more high-quality technical talents in the field of remote sensing, promote the development of remote sensing industry and help the aerospace strengthen nation construction.

Subject

General topics of the "14th Five-Year Plan" of Hebei Higher Education Association in 2021 "The iron army-type talent training model led by the project-driven university of applied technology" (GJXH2021-143).

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