

current subsystem are shown in the right side of the page. Except the current and voltage value, the sequential waveform and the status parameters of the selected device are shown in the middle of the page.

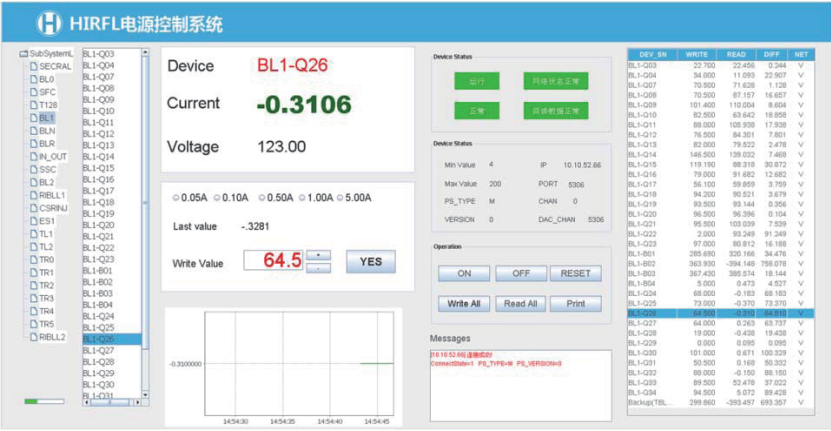


Fig. 2 (color online) User interface of power supply control program.

The layout of the user interface has been modified several times according to the feedback of operators in central control room. Up to now, all functions and modules of the power supply control program have been running steadily and reliably.

References

[1] Koranne, Sandeep. "Boost C++ Libraries." (2011).
[2] Chiu, Lawrence Y, et al. "Management of server cache storage space." (2016).

6 - 42 Design and Implementation of EMAIL and IP Management System

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As the number of students and staff in our institute has expanded year by year, it will bring great pressure to the daily management. The traditional office mode has low working efficiency and is unable to meet the needs of the management at present. In order to improve its working efficiency and simplify the management flow-sheet, it is necessary to use the existing resources to develop EMAIL and IP management system based on network conditions.

We select ThinkPHP framework based on B/S to develop the management system. The LAMP technology is used to complete the function in the project The MVC design pattern is widely used in the design of system which can simplify developing process^[1], quicken developing speed and improve quality and maintainability of the software. The PHP is selected as the main design language combined with JavaScript language and CSS+DIV technology in order to accomplish the website foreground and management background^[2]. The user groups of this system are primarily staff and students in our institute.

Fig. 1 shows the general view of the user interface. The platform's features include: user registration, users log on, users modify data, upload pictures, email and IP application, reset the password and cancellation The administrator interface is shown in Fig. 2. System administrator can proceed user management, authority setup, information release, parameter setup, and database maintain, etc.

The system has been put into use for one year. With the change of customer demands and running environment, the system function has been continuously improved and perfected, it can work stably and the expected goal is achieved.



Fig. 1 (color online) The foreground user interface.

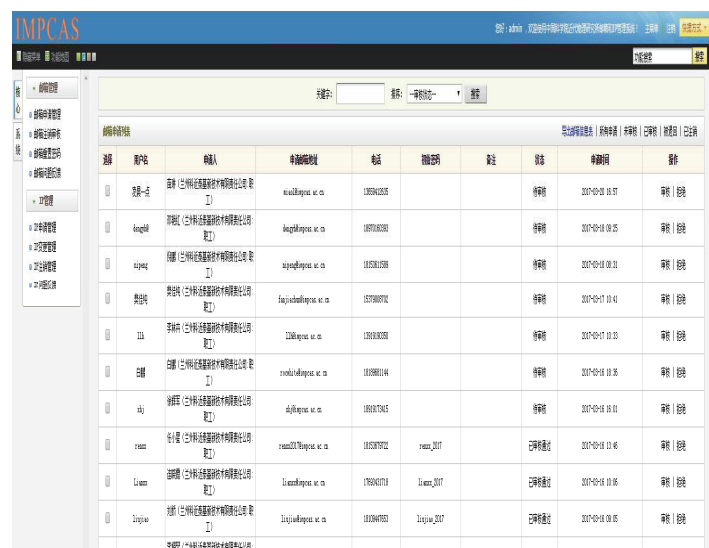


Fig. 2 (color online) The administrator interface.

References

- [1] Manisha Jailia, Ashok Kumar, Manisha Agarwal, Behavior of MVC (Model View Controller) based Web Application developed in PHP and .NET framework[C] 2016 International Conference on ICT in Business Industry & Government (ICTBIG), (2016)1.
- [2] Luke Welling, Laura Thomson, PHP and MYSQL Web Development [M]. China Machine Press, (2009).