







## Result Analysis

The China Jiliang University began the Computer Excellent Engineers Training Program experiment in 2010. The continuous assessment of students, the surveys carried out as well as the results obtained let us analyze the experience. We were able to check the usefulness of the implementation of our program to meet demand of Excellent Engineers Training Program. Some of the aspects valuated were: 1) Engineering experience development, 2) Development of the generic/specific competences in computer engineering field, 3) Assessment of the teaching method.

As regards abilities and skills developed by the students, the results obtained coming from the last experience showed that the abilities and skills more developed were: self learning, knowledge integration, oral and written communication, critical capacity, team work and initiative. The results obtained let us confirm the usefulness of program on computer engineering abilities.

Concerning the usefulness of the experience from the point of view of the program, students express the need of a greater effort (97%), compared to traditional methods. However, they have also recognized that they have learned more (77%). They also valued its usefulness as an approximation to the real world (90%). In 60% of cases the students recommended this method of learning. They also underlined some difficulties founded. Above all, they claimed lack of time, a greater help from lecturer and increasing load of work.

In addition, with the great improvement of awareness of student's innovation abilities and engineering skills, our graduates were warmly welcomed by the employers. In 2011, the employment rate of our graduates raises the 10 percentage points and student employability confidence also has increased greatly. A manager of one software development company made the evaluation on our graduates. "A lot of work of my company is project-based, where every staff is required to work with four to 10 different people staffed on a project. It is critical that one can handle amount of engineering work as well as be able to interact with all members of the team. The CST education prepared their graduates engineering experience and gave them teamwork skill for how to deal with group dynamics".

## Conclusion

The paper has presented our Computer Excellent Engineers Training Program, analyzed the effect of the program implementation in computer engineering education of the department of Computer Science and Technology at China Jiliang University. In the educational process of this new program, on the one hand, the importance of the teacher should be confirmed since the new times demand a new role for teachers. The successful implementation of the methodologies involves changes to a significant portion of the teaching process, from instructional design and organization to development of learning materials, and even teacher activity inside the classroom. Another success factors is enterprise, which can provide our students industrial experience, up-to-date industrial best practices and tools.

## References

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