

## Supervisor's Standpoint on the Doctoral Thesis

**Doctoral student:** Vo Van Hai  
**Doctoral theses title:** Optimisation of Software Effort Estimation by Improving Functional Points Analysis  
**Supervisor:** Assoc Prof. Ing. Zdenka Prokopová, CSc.

Vo Van Hai entered the full-time form of doctoral studies at the FAI TBU in Zlín in February 2018. He graduated from the master's study program Master of Computer Science in the Information Technology Faculty, Hue University of Science, Vietnam, in 2014.

Vo Van Hai has more than ten years of experience developing and maintaining applications using many languages in many aspects of software development. Besides that, he has nearly twenty years of experience in teaching. He worked 17 years as a Lecturer at the Faculty of Software Engineering, University of Industrial, Ho Chi Minh City, Vietnam.

Vo Van Hai chose an exciting and currently very actual area of software engineering as the topic of his doctoral theses, specifically estimates of software project development efforts.

By its nature, the submitted doctoral thesis belongs to works with a program and application output. The author has demonstrated theoretical knowledge and programming skills. The formal level of the work is high, the division of theses, correctness, and comprehensibility has no significant shortcomings. The doctoral thesis is written in English, has a total length of 121 pages, and is divided into 11 chapters, of which chapters 5-10 can be considered the contribution of the work.

He prepared 17 professional publications as an author or coauthor during his doctoral studies. Those publications contributed to the development of the solved issue. These are exclusively publications in English, where the doctoral student has demonstrated the ability to communicate with the world scientific community. The doctoral student worked responsibly and with initiative. The contact with the supervisor was constructive and purposeful.

I note that the level of the submitted doctoral thesis is very good, with a sufficient contribution to science and practice. The doctoral student demonstrated excellent knowledge in the field, and the set objectives of the work were fully met.

In accordance with Act No. 111/Coll. **I recommend** the doctoral thesis of Vo Van Hai for the defense.

Zlín, Date... 29. 10. 2022

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Assoc Prof. Ing. Zdenka Prokopová, CSc.