

# **SKILLS IN SOFTWARE ENGINEERING ESSAY**

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Topic: Discussion about skills in software engineering

**2020**

## Discussion about skills in software engineering

This essay discuss that SWEBOK helps to figure out what should be known, and how to perform activities or tasks of the knowledge areas. Knowledge of Computer science and Software Engineering have been expanding since IEEE and ACM revision[1]. As this acceleration goes up, usage of knowledge and jobs opportunities also expanding. Software Engineering lectures are common lectures in many universities and countries. So, it is fact that skills and knowledges for this industry should be similar commonly [2]. Moreover, universities need better understanding and comprehensive knowledge in order to complete this kind of aims.

It is know that lectures must take benefits large knowledge areas of SWEBOK in curricular[3]. In these directions, SWEBOK is the one of well prepared information source and it provides educational and industriel needy. It has been identified fifteen KAs(Knowledge Areas) with seven related disciplines. It shows that SWEBOK helps to figure out what should be known and how to perform activities or tasks of the knowledge areas [4]. Because, it provides large range of features, including needs, methods, activities, tasks within well organised and segmented each related own topics.

Additionally, students must be equipped closely informations needed by the industry in order to catch the industrial developments. According to a survey based study, project leaders and conducted a feedback that employees who got trained with SWEBOK have better performance than who got trained with traditional ways [5]. Furthermore, it is clear that SWEBOK is convenient for not only educational knowledge but also industrial knowledge.

On the other hand, amount of information in SWEBOK may cause some problems. For example, lecturers may want to finish all instructions in one curriculum, considering the amount of information in it, it can be able to do it with faster than usuall but it may cause misunderstanding and unclear knowledges. This may cause gap in their educational life.

To summarize all, SWEBOK helps to understant many different topics in educational and industrial life. It provides how to perform activities or tasks of knowledge areas with great amount of information. Hovewer, it should not be the only information source in curriculum. Sometimes, even good sources can have some lack of information. In order to prevent deficiency students should have thought informed more than one information source.

**Açıklamalı [HİU1]:** Here, the author provides a ground of Toulmin argumentative style for his claim. He is making a ground opening with pointing out that these kind of fields have been expanding. Also, he provides a fact for his claim.

**Açıklamalı [HİU2]:** Here, the claim is a statement of opinion that author wants for everybody to accept as true. He points out expanding fields and what are the requirements for covering these expanding.

**Açıklamalı [HİU3]:** Here, the author uses a warrant. He tries to link claims and grounds. Also, he wants to understand from us to universities should catch the developments.

**Açıklamalı [HİU4]:** Here, the author presents a claim which readers should accept that as a true.

**Açıklamalı [HİU5]:** Here, the writer makes a backing statement for his claim. He backs his claims with different perspective.

**Açıklamalı [HİU6]:** Here, the writer presents a fact. It provides ground for his claim. The grounds informs about internal structures of SWEBOK.

**Açıklamalı [HİU7]:** Here, the author wants to from us that accept this statement is true.

**Açıklamalı [HİU8R7]:**

**Açıklamalı [HİU9]:** Here, the writer provides a ground for his claim with based on a survey research. Also, he mentions that result of research which is SWEBOK is better than other sources.

**Açıklamalı [HİU10]:** Lastly, he links his claims and grounds and he serves for reader to accept this consequence. This is a warrant of Toulmin arguments.

**Açıklamalı [HİU11]:** Here, the author makes rebutted arguments. Clearly, he gives opposite view with an example.

**Açıklamalı [HİU12]:** Here, the author use different argument style and he use Aristotelian argument or classical argument. He provides his conclusion his claims. Also, He blends his positive and negative claims and make a conclusion from his claims. He finalize with a suggestion.

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