Task: Write a coursework on the indicated topic

Topic: Applied Problem Solving in a Engineering Workplace

Type: Coursework

Length: 20 pages

Formatting: APA

Requirements:

Write a coursework following the provided guidelines.

Applied Problem Solving in an Engineering Workplace

Name

Institution

Applied Problem Solving in an Engineering Workplace

Introduction

In the contemporary world, a number of complications exist in every aspect of life and field. The degrees to which these problems exist dictate the manner in which their solutions can be undertaken. With such complexities in mind, engineering field takes its own dimension to accord solutions to the same problems in engineering. These solutions employ defining the solutions in a viewpoint taken for systems. This takes into account glimpsing beyond the physical limits that are present in the processes of engineering seen. The implication in this perspective also means that the widely accepted contemporary approaches are taken to solve the same problem.

MostAwfulEssays 8/1/14 1:41 PM
Comment [1]: Stating the obvious, huh?

MostAwfulEssays 8/1/14 1:40 PM
Comment [2]: That's a super-perplexed, passive sentence, y'know.

MostAwfulEssays 8/1/14 1:42 PM
Comment [3]: Do you understand that your sentence lacks understanding?

MostAwfulEssays 8/1/14 1:43 PM
Comment [4]: That's what people usually call "abracadabra."

MostAwfulEssays 8/1/14 1:43 PM
Comment [5]: I don't know what made me more confused: "processes of engineering" or this off-course "seen?"

MostAwfulEssays 8/1/14 1:44 PM
Comment [6]: I got it, you're just doing your best to sound smart, right?

Identification of complex problems

Systems are interconnected solutions to real life problems that are either concrete or abstract. Concrete ones are more physical yet the abstract ones are characterized by seeing their effects. Human beings are normally busy with information, and computing is never their passion. In a similar way, a system is developed so that humans solve their problems. Whatever is contained internally will never be their bother. They prefer seeing the final picture rather than the initial plans and stages involved in the process.

MostAwfulEssays 8/1/14 1:45 PM
Comment [7]: That's quite a scientific definition... in a way.

MostAwfulEssays 8/1/14 1:47 PM
Comment [8]: Oh yeah, and all kinds of coders and programmers have become extinct, and new software just appears as a result of uncontrolled digital evolution.

MostAwfulEssays 8/1/14 1:47 PM
Comment [9]: In a way similar to what?

The following are identified complex problems:

MostAwfulEssays 8/1/14 1:48 PM
Comment [10]: Problems of what? Identified by whom? You know, just throwing words into space is not quite academic.

1. Software system problems
2. Advanced engineering manufacturing and design

3. Reliable communication and telecommunication problems

4. Data analysis and integrity

Taking about these systems, complexity of a problem solution is based on a wide view of the procedures followed to solve the stated 'complexity'. This raises the big question; how can a problem be a complex item yet it is finally solved? In this regard, Mitsubishi Electric Company has devised explanatory methodologies aimed at showing the needed for the use of this term. Solutions as per the systems are either closed or open. In open perspective, there solution is expected to work out without employing the system's verification. For closed ones, the system verifies the output before releasing the outcome, which is the output itself. It should be noted that best systems are closed ones because the feedback aspect is needed for any real life solution. An example the manner in which the human body functions as per the requirements of the homeostasis.

Another important aspect to consider in system design, analysis and implementation is the element of technology. As will be shown in this paper, technology is that highest level of knowhow that makes things work efficiently. In this case, systems are not left behind. The development of the system goes in tandem with the existing technical manifestations. In most organizations, technology based of engineering perspective as per its analysis in the best way to go. Solving problems in the world based on this perspective in standardized, and this is an aspect of life that will be considered in the analysis of system. This allows easy evaluation and proper ethical conduct in the end.

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MostAwfulEssays 8/1/14 1:49 PM
Comment [11]: Systems or problems?

MostAwfulEssays 8/1/14 1:49 PM
Comment [12]: I bet this question is even more important than the one about the meaning of life, but you've formulated it in a totally incomprehensible way.

MostAwfulEssays 8/1/14 1:53 PM
Comment [13]: I am not sure it's in English.

MostAwfulEssays 8/1/14 1:53 PM
Comment [14]: Where?

MostAwfulEssays 8/1/14 1:54 PM
Comment [15]: Sounds Zen.

MostAwfulEssays 8/1/14 1:54 PM
Comment [16]: You write like an alien.

MostAwfulEssays 8/1/14 1:56 PM
Comment [17]: The Supreme Magnificent Omni-System of Everything? This is how "the" article works, you know.

MostAwfulEssays 8/1/14 2:05 PM
Comment [18]: What the *&^% are you talking about?

References

Aggarwal, K. Yogesh S (2007). *Software Engineering*. 3rd edition. New Age International Publishers

Allen, B. (2012). *Applied problem solving in an engineering workplace.* Hull, UK: University of Lincoln.

Bauer, F.L, Baumann R.M (1964).*Introduction to Algol*. 1st Edition. Prentice Hall. ISBN 0-13-477828-6.

Malthus, T.R (1826). *An Essay on the Principles of Population*. 6th Edition. Murray Publishers. London

Schach, S.R (2007). *Object Oriented and Classical Software Engineering*. 7th Edition. McGraw-Hill

Standish Group International (2005). *Standish Group Chaos Report*. Retrieved from www.tassc-solutions.com/pages/factfile.html

Overall impression:

Seems like the author got confused by what he or she wrote. The paper is full of poor explanations, vague statements, confusing terms, and so on. I really can't see how this paper could be useful for anybody.