SEARCHING FOR A UNIVERSALLY ACCEPTABLE ENGINEERING TECHNOLOGY LANGUAGE

ANANDARUPA CHATTERJEE & DIPAKA CHATTERJEE

HR Executive & Principal, Institute of Engineering & Management, Kolkata, India

ABSTRACT

Engineers in countries where English is not the native language have long sought an answer to the issue of how best to teach them English. There are studies being conducted in each of these nations to determine the best English grammar and syntax for each of these regions, and surprisingly, the views have not yet converged. This research makes an effort to identify the gaps in these methods and proposes a unified strategy for a workable solution that can overcome long-standing obstacles.

KEYWORDS: Techno-Complete, Vocabulary

INTRODUCTION

For over a century, academics and professionals in countries where English is not the native language have been looking for a way to communicate effectively in the field of engineering. Although a rather consistent position has been attained, the production thus far has been underwhelming. Currently utilized varieties of English often fail to provide the intended impact, suggesting that the sought-after variety is not yet technically complete. The current widely used technical language has been shown to be lacking in a number of ways in the articles [1], and some reasonable modifications have been made, but the end product is far from ideal. We've done some preliminary research on the needs and made some suggestions about what should be prioritized and put into action in this document.

Why English?

- Due to globalization the importance of English has grown enormously. It is by an international treaty the official language for aeronautical and maritime communication. It is also one of the official languages of the United Nation and many other international organizations such as WHO, UNICEF including International Olympic committee. Any scientific or commercial projects taken by any multinational organization involves persons from different countries, the only common language for communication being English.

- English is studied most often in the European Union. Among the Europeans 67% are in favour of English, 17% in favour of German and 16 % in favour of French. .Among the non-English speaking EU countries, the

- following percentages of the adult population claim to be able to converse in English in 2012

It is noteworthy that 38% of the Europeans consider that they can speak English. [3]

- Of all books, journals and magazines published all over the globe, almost 90% are written in English.Indeed English is the most commonly used language in Science and Technology.

- Most of the advanced technologies and scientific advancements are the work of Europeans; English is the most desired language for communication.

- English is language with a very rich vocabulary which provides the power to express any idea precisely effectively.

Meaning of Techno-Completeness

A language is said to be *techno-complete* if the language has such a rich vocabulary that one is able to communicate and write any scientific report easily and comfortably. This requires

- A collection of scientific terms

- Simple grammar

- A collection of words that help express ideas most effectively, e.g., phrases, idioms, correlatives, antonyms.[1]

- The words useful for effective communication.

Thus a techno-complete language is one which facilitates an engineer to express ideas precisely and concisely andwrite reports in an effective way.

Method of Achieving this

It is to be noted that the techno-complete language is needed for two purposes, namely (a) Report writing and

(b) Verbal Communication.

For report writing

- One has to take care in the usage of words. Particularly, the language must be as simple as possible. Not complicated, bomb bursting/ magnanimous, ambiguous words should be used. Only simple sentences should be used to the extent possible.

• Powerpoint may be utilized to effectively express the important ideas of a presentation.

For talking on the phone,

• Use a minimal amount of complicated words and straightforward language that is yet convincing.[6]

It's important to utilize technical phrases correctly.

• Attempts at improving self-assurance in this area should be done seriously via psychotherapy.

Our Suggestions

- The Government of India's Higher Education Department should form a Task Force to develop a common engineering vocabulary. For clear communication of ideas, this language should also exclude cliches and overused expressions.

- A strategy be devised to place as much emphasis on verbal communication in the first to final years of undergraduate courses as is placed on technical topics.

- In the last year of school, students should get instruction on how to create engineering projects and give presentations using Power Point. This may be accomplished by showing students successful case studies authored by specialists in various technical fields. Report writing exercises might also be imposed on them.

- These courses need to be associated with university test, with the caveat that grades won't be used for advancement but will be included in a mark sheet that will influence recruitment decisions.

- There are currently many different kinds of software available to help pupils improve their communication skills. The pupils need to

We have to deal with the effects of using this program.

CONCLUSIONS

It is anticipated that within a few years, the situation will have changed dramatically, and the engineering world will become an easily communicative environment racing up towards desired success if the preceding procedures are followed and the ideas adopted.

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