

[IECBES 2012] Your paper #1569644035 ('Comparing Speech Recognition and Text Writing in Recording Patient Health Records')

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Sent: 16 August 2012 07:31

To: PROFESOR MADYA DR MOHD KHANAPI BIN ABD GHANI

Cc: Yu Zheng Chong [chongyz@utar.edu.my]

Dear Dr. Mohd Khanapi Abd Ghani:

Congratulations - your paper #1569644035 ('Comparing Speech Recognition and Text Writing in Recording Patient Health Records') for IECBES 2012 has been accepted.

The reviews are below or can be found at <http://edas.info/showPaper.php?m=1569644035>.

===== Review 1 =====

> *** Detailed comments: What are the major issues addressed in the paper? Do you consider them important? Comment on the degree of novelty, creativity and technical depth in the paper. Please provide detailed comments that will be helpful to the TPC for assessing the paper, as well as feedback to the authors.

The authors conducted a study and compared speech recognition software (which used SNOMED-CT) and text writing for capturing health records. The study results suggested that while using the speech recognition software took shorter time, it was more inaccurate mainly for human factors such as accent and tone.

The research problem is interesting and important. I also liked the idea of integrating SNOMED-CT terminologies into a speech recognition software to better capture patient records.

The article is very poorly written, there are lots of grammatical mistakes, which must be corrected before the article can be accepted for any publication. I am showing here some examples just from the 'Abstract':

In the 2nd Sentence, '...could be deliver ...'

In the 4th Sentence, '...typical way to captured medical data...'

In the 5th Sentence, '...The aims of this research is to ...'

In the 6th Sentence, '...The research also compare ...'

etc...

The proposed method produced more inaccurate results, and thus, needs to be improved before it can be used. I suggest identifying the root cause(s) of such inaccuracy, and then designing a better method. Also, it would be worth identifying the root causes where the speech recognition software took longer time, e.g., does the time taken depends on the length of the text? is the integration with SNOMED-CT making things slower?? does a training help speeding up???

> *** Originality of the submission: New or Novel contribution
Weak Accept (6)

> *** Significance of Topic: Relating to knowledge contribution
Borderline (5)

> *** Paper Presentation: Clarity and Organisation of Content
Reject (2)

> *** Recommendation and Review: Overall view and recommendation
Weak Reject (5)

===== Review 2 =====

> *** Detailed comments: What are the major issues addressed in the paper? Do you consider them important? Comment on the degree of novelty, creativity and

technical depth in the paper. Please provide detailed comments that will be helpful to the TPC for assessing the paper, as well as feedback to the authors.

The paper aims to develop speech recognition for capturing clinical findings, which is good. However, I could not clearly see any significant contributions, except the report of a testing.

The author mentioned that human factors such as accent and tone in speaking affect the translation of speech recognition. I would love to see how they tackle this problem, and develop a solution, and prove their solution through a testing.

The first 2-3 sentences in the abstract section are not necessary.

There are so many spelling, grammar and typo errors. Please recheck before submitting the camera ready version. Wrong spelling: 'recogniton' 'healtcare', 'decoder', 'log_pronounce', 'coleeted,' 'acent', 'accuratenees'

> *** Originality of the submission: New or Novel contribution
Borderline (5)

> *** Significance of Topic: Relating to knowledge contribution
Accept (8)

> *** Paper Presentation: Clarity and Organisation of Content
Strong Reject (0)

> *** Recommendation and Review: Overall view and recommendation
Weak Accept (7)

===== Review 3 =====

> *** Detailed comments: What are the major issues addressed in the paper? Do you consider them important? Comment on the degree of novelty, creativity and technical depth in the paper. Please provide detailed comments that will be helpful to the TPC for assessing the paper, as well as feedback to the authors.

The authors describe in this paper a comparision between the use of speech recognition and the use of text writing to insert new information in a patient health record.

The paper is well written. A good introduction with a presentation of some working model of a speech recognition system is described before presenting the workflow designed by the authors.

The results about the tests on execution time are good. The speech recognition time is faster than text writing, but, on the other hand, the percentage of the accuracy rate generated from speech recognition is very low.

The paper is interesting, but the argument needs research efforts to improve the accuracy rate of the speech recognition.

> *** Originality of the submission: New or Novel contribution
Weak Accept (6)

> *** Significance of Topic: Relating to knowledge contribution
Weak Accept (6)

> *** Paper Presentation: Clarity and Organisation of Content
Weak Accept (6)

> *** Recommendation and Review: Overall view and recommendation
Weak Accept (7)

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Note: Failure to adhere to any of the above may result in delay in publication.

Should there be any queries, do not hesitate to contact us at iecbes@gmail.com.

Thank you, and see you soon in Langkawi.

Regards,
IECBES 2012 Organising Committee