



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2015_BJAST_17352
Title of the Manuscript:	Development of an Error Correction Technique for Audio Signals Recorded on Optical Compact Disk
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	1. Introduction is too short 2. Must show the new approach in comparison to existing techniques mathematically. 3. Conclusion is too short. 4. The author contribution should be made clear.	The authors will like to appreciate the comment of the reviewer and state that corrections have been effected Existing techniques such as arithmetic weighted check sums, CIRC, Reed Solomon codes and CIRC with feedback are well documented and can be found in the references listed below (same references used in the paper) i. Satish, S. (2012). <i>Multiple Layered Reed Solomon Code in Audio Disks with a Feedback System</i> (M.Sc thesis). University of Illinois at Urbana-Champaign. ii. Bardis, N., Markovskiy, O., and Doukas, N. (2011). Efficient Burst Error Correction Method for Application in Low Frequency Channels and Data Storage Units. <i>IEEE Digital Signal Processing Conference</i>, pp. 1-6. iii. Saleh, A., and Atef, O. (2012). Burst Error Correction Method Based on Arithmetic Weighted Checksums. <i>Journal of Scientific</i>



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		Research. Published online November 2012. Available online
<u>Minor</u> REVISION comments	Audio CDs out of fashion nowadays, it sounds a bit strange that the author decided to look at this area of recording/playback.	at http://www.SciRP.org/journal/eng . iv Zhou, W., Lin, S., and Abdel-Ghaffar, K. A. (2014). Burst or random error correction based on fire and BCH codes. In <i>Information Theory and Applications Workshop (ITA)</i> , pp. 1-5. Repeating the mathematical expressions of these techniques will be cumbersome and repetitive. In section 4 of the paper the results from other techniques are compared with the developed technique. Although Audio CDs are gradually going out of fashion, the developed technique is relevant because it can correct errors in digital audio signals irrespective of the recording platform. Audio CD was used in this work for comparison purpose and the work will be extended to cover digital audio signals recorded on other optical storage platforms like DVD's and multilayer optical disks.
<u>Optional/General</u> comments		