



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2015_BJMCS_17456
Title of the Manuscript:	Decision Making in Information Systems Using Decision Diagrams
Type of the Article	Review 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.

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(<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 <i>(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)</i>
<u>Compulsory</u> REVISION comments	The authors must highlight the added/corrected parts in the revised paper. This paper is well written. But the literature review is not adequate regarding in problem in hand. The review part needs improvement. As it has been seen that last year reference cited in the text is up to 2005, related to fuzzy, decision making, etc. As there is a vast amount of work done in this area from 2005 to since date. The authors have completely missed that in the manuscript. Try to add the objective and contribution of the present work in the introduction section. It is advisable to the authors that please delete some old and used year references and add latest references related to year 2013-2015 papers in the manuscript for completing the paper for better readability and impact of the paper. For your convenience, it is preferred to cite the relevant papers to show the capability of application of fuzzy and decision making in different disciplines which have been employed in this paper in different applications. For instance: • An approach for analyzing the reliability of industrial system using fuzzy Kolmogorov's differential equations, The Arabian Journal for Science and Engineering, 40(3), 975 – 987, 2015, Springer • Analyzing the behavior of an industrial system using fuzzy confidence interval based methodology, National Academy	1- I have been organized the hole paper carefully, such many paragraphs are deleted and others with recent references have been added. 2- I really highlighted the main contribution of the paper. 3- Also, I improved the section of literature review with more recent works. 4- The future work part had been added in the conclusion section.



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	Science Letters, 37(4), 359 – 370, 2014, Springer • A novel approach for analyzing the behavior of industrial systems using weakest t-norm and intuitionistic fuzzy set theory, ISA Transaction, 53, 1199 – 1208, 2014, Elsevier • Reliability, availability and maintainability analysis of industrial systems using PSO and fuzzy approach, MAPAN – Journal of Metrology Society of India, 29(2), 115 – 129, 2014, Springer • Preventive maintenance scheduling of pulping unit in a paper mill, Japan Journal of Industrial and Applied Mathematics, 30(2), 397 – 414, 2013, Springer • Performance analysis of complex repairable industrial systems using PSO and fuzzy confidence interval based lambda-tau methodology, ISA Transactions, 52(2), 171 – 183, 2013, Elsevier • Performance and behavior analysis of repairable industrial systems using Vague Lambda-Tau methodology, Applied Soft Computing, 22, 323 – 338, 2014, Elsevier Add the future work in the conclusion section. After the authors well address these issues, the paper may be considered for further review.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		