



SDI Review Form 1.6

PART 1:

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2013_BJMCS_3465
Title of the Manuscript:	A GENERAL INEQUALITY RELATED TO VARIATIONAL INEQUALITIES AND ITS CONSEQUENCES

General guideline for Peer Review process is available in this link:

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

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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PART 2: 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 study an inequality associated with variational problems in Hausdorff topological vector spaces. With regard to this topic a previous study had been made by one of the Authors (Panda) in the framework of Banach spaces. In the present paper various theorems of existence of solutions of such inequality mainly provided under various assumptions about the data. This theory is then applied to the study of the existence of solutions of a problem which is a generalization of a quasi-variational inequality. The Authors argue that the existence Theorem 3.1 is the main result of this paper. Also they claim that this result is a generalization of Takahashi Theorem 2.7 (see [25] in References) and they say that the proof is the same. It would be advisable, also for reader's convenience, that the authors had developed the proof of Theorem 3.1.	The works done in this paper are original. The reviewer has mentioned that he has not gone through the contents of [5-18-25-28] in the References. The reviewer has also mentioned that the proof of Theorem 5.1 is not complete. But I don't think so.



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	Various existence results are then shown by using Theorem 3.1 these results are given by Theorems 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8. Sadly I can't judge if these results are original as I don't know the contents of [5-18-25-28] in References. Such papers are indeed the state of art of the inequality problem studied in this paper. I also want to note that in the references there is not reported any results on this topic obtained after the year 2000. Finally, as a consequence of the results in Section 3, the authors give in Section 5 an existence result for a quasi-variational inequality. The proof of this result (Theorem 5.1) is done ad absurdum, but it is not complete. In view of the above facts, in my opinion the paper cannot be recommended to be published in this form on British Journal of Mathematics & Computer Science.	
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<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		