

Review Form 1.6

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_78407
Title of the Manuscript:	Surface Roughness Characterization for Stress Concentration Factor Predictions: A Bayesian Learning Approach
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:

(<https://www.journaljerr.com/index.php/JERR/editorial-policy>)

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)
Compulsory REVISION comments	<ol style="list-style-type: none"> 1. Title needs to delete the word "machine learning". Replace with "Bayesian learning. 2. I have done some English edit in red 3. Figs 1 and 3 are not properly labelled and explained. What is x/L? 4. References are too old. 80% of the references are older than 5 years. This is not acceptable for a paper to be published in 2021 or 2022. Please review and use papers from 2017 till date 5. Bayeisan Learning is a method of statistical inference and not machine learning. No machine learning was discussed or used in this paper. 6. In all, Bayeisan should replace machine learning and authors should include more current papers to make the paper qualify for publication. 7. https://ermongroup.github.io/cs228-notes/learning/bayesian/ 	
Minor REVISION comments		
Optional/General comments	<ol style="list-style-type: none"> 1. Title needs to change. I do not agree with the use of "Machine Learning". The paper used "Bayesian Learning. 2. https://medium.datadriveninvestor.com/bayesian-learning-for-ml-13d30485267e 3. https://www.sciencedirect.com/science/article/pii/B9780128165140000072 4. https://www.sciencedirect.com/science/article/pii/B9780128188033000234 5. https://wso2.com/blog/research/part-one-introduction-to-bayesian-learning/ 	

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PART 2:

	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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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