

Review Form 1.7

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_112009
Title of the Manuscript:	Artificial Neural Network Model for the Prediction of the Products of a Crude Distillation Column
Type of the Article	Original Research Article

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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Artificial Neural Network Model for the Prediction of the Products of a Crude Distillation Column</p> <ol style="list-style-type: none"> The model was developed using the Bayesian Regularization Back Propagation (BRBP) algorithm. The model was trained, validated, and tested using plant data. The model accurately predicted the product flow rates and temperatures for the testing data set, with average percentage deviations between 0.08 and 0.49 for flow rates and between 0.04 and 0.09 for temperatures. The model showed a lack of capacity for extrapolation, with average percentage deviations between 2.67 and 19.95 for flow rates and between 0.67 and 1.98 for temperatures for the extrapolation data. 	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>		

PART 2:

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

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