SDI Review Form 1.6

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	**Ms_JERR_46138**
Title of the Manuscript:	**EFFICIENCY IMPROVEMENT FOR ORDINARY LEAST SQUARE AND OTHOGONAL REGRESSION IN CHEMICAL ENGINEERING**
Type of the Article	**Original Research 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)

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	**As the paper is a short one (5 pages including references) based on only one theorem, the following calculations can be given** **1. How V(P)≤V(X)?** **2. How r(PQ)≥r(XY)** **3. In the calculation of V(P), the second term should n/2m {E[X]}^{2} instead of n/2m {E[X]}. Please check**	**Special case** If $X_i = Y_i = k$ (any constant value) E(P) = E(Q) = k V(P) = (n/2m)V(X) V(Q) = (n/2m)V(X) COV(P,Q) = (n/2m) Cov (X,Y) The factor (n/2m) is always less than one Hence V(P) ≤ V(X), V(Q) ≤ V(Y) **n/2m {E[X]}^{2} (Corrected)**
Minor REVISION comments	**Will the value of m=n-1 always Whatever may be n? Or any other possibility?**	**value of m=n-1 always**
Optional/General comments	**The title of the paper may be apt if it is worded as follows** **EFFICIENCY IMPROVEMENT FOR ORDINARY LEAST SQUARE AND OTHOGONAL REGRESSION - AN APPLICATION IN CHEMICAL ENGINEERING** **Or** **EFFICIENCY IMPROVEMENT FOR ORDINARY LEAST SQUARE AND OTHOGONAL REGRESSION APPLIED IN CHEMICAL ENGINEERING** **Since the efficiency model can be applied in any other field also. The model is a common one; you have appllied it to your Chemical Engineering.**	

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