



SDI Review Form 1.6

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_60484
Title of the Manuscript:	REGRESSION MODELS FOR PREDICTING QUANTITIES AND ESTIMATES OF STEEL REINFORCEMENTS IN CONCRETE BEAMS OF FRAME BUILDINGS
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/journal/10/editorial-policy>)



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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) Please include, how could you test the accuracy of the developed models 2) In section 2.2 , please check the unit of the quantity of steel reinforcement [kg/m³] 3) Can you give the percentage of prediction error of the regression model. 4) Explain the statistical significance of the model generated. 5) What is the statistical significance level of the model. 	Corrected
Minor REVISION comments	<ol style="list-style-type: none"> 1) What is the significant level of Pearson Correlation Pearson 2) What is the size of the Pearson correlation adopted and what is the interpretation of the correlation. 3) What is the 'p'value indicating the significance of the single tailed Pearson correlation. 	Done
Optional/General comments	<ol style="list-style-type: none"> 1) I suggest the author to include the graphical representation (regression plot) for the relation between the actual volume of concrete (theoretical calculation) to the predicted volume of concrete used for beams. 2) I suggest the author to include the graphical representation (regression plot) for the relation between the actual data obtained and the predicted data showing the ideal fit and the linear fit used for beams. 	

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