

## Review Form 1.6

Journal Name:	<a href="#">Asian Journal of Research in Computer Science</a>
Manuscript Number:	Ms_AJRCOS_77267
Title of the Manuscript:	<b>Polytechnic Student's Academic Performance Prediction Based on Deep Neural Network</b>
Type of the Article	<b>Original Research Article</b>

### **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:

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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Compulsory</b> REVISION comments	<p>Abstract should be reviewed            Line 107-109 be recapped.            Line 125-128 too poor and should be corrected.            Chapter one and two should be corrected</p>	
<b>Minor</b> REVISION comments	<p>Line 19-20 recap by using the proposed model, this will effectively improve technical student achievement, success and benefit the technical institutions in Bangladesh</p> <p>Line 52-54 The aim of this work is in our work, aims to fill the mentioned different academic gaps, by giving a full guideline, providing easier access to the machine learning model, and qualifying all the actual of their application to the field of technical education in Bangladesh [5].</p> <p>Editorial errors should be corrected e.g., <del>technic</del> as technique(s)</p> <p>Line 104-108 recap            Master degree student in Computer Science. In this study, two machine learning classification models namely decision tree and fuzzy genetic algorithm were used. Here are the parameters that have been used to predict student performance namely internal marks, sessional marks, final score. In their work, they included an internal, sessional, and final score of 120 and 48 students from the Bachelor and Master degree program respectively</p> <p>Line 119-127 recap  <del>were not stated but they didn't explain the number of data were used and achieved the accuracy levels here. This is the limitation of their research work.</del></p> <p>Sultana et al. [16] proposed an Educational Data Mining (EDM) system to predict the academic performance of the student. In their research work, they used an educational dataset that was collected from an educational institute of the Saudi University. Here, they used two techniques <del>technics</del> so that deep learning techniques like deep neural networks and data mining techniques like the random forest, support vector machine, decision tree, and Naive Bayes. Among these algorithms, deep neural networks and decision trees displayed the best predicting student performance compared to other techniques.</p>	
<b>Optional/General</b> comments	<ol style="list-style-type: none"> <li>1. Chapters 3 4 and 5 well stated but there were some minor corrections for better understanding of the research being developed.</li> <li>2. The purpose of the article was stated</li> <li>3. Significant of published methods and new methods were described in detail, but editorial errors should be corrected.</li> </ol>	

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**PART 2:**

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

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