

ReviewForm3

Journal Name:	JournalofEngineeringResearchandReports
ManuscriptNumber:	Ms_JERR_122674
TitleoftheManuscript:	A Dijkstra based Algorithm for Optimal Splitter Location in Passive Optical Local Area Network (POLAN)
TypeoftheArticle	

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	<ol style="list-style-type: none"> 1. Optimization of Dijkstra's Algorithm in various scientific fields, especially local area networks 2. This paper presents an algorithmic approach using Dijkstra's algorithm and the Google Maps API to optimize splitter locations in a POLAN 3. The Dijkstra algorithm can identify potential splitter locations that minimize total network costs 4. The results demonstrate that this approach can effectively determine the optimal splitter locations, with the shortest path from the OLT to each ONT guiding the placement decision 	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, "Optimization of Dijkstra's Algorithm to determine Splitter Location in Passive Optical Local Area Network (POLAN)"	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	yes, enough comprehensive	
Are subsections and structure of the manuscript appropriate?	yes	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	<ol style="list-style-type: none"> 1. The references used are sufficient. 2. The research method employed is suitable. 3. The simulation results demonstrate the proposed approach. 4. The research data indicates the success of the conducted research. 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	yes, <ol style="list-style-type: none"> 1. Comparative Analysis of Route Planning Algorithms on Road Networks 2. Research on Optimal Path based on Dijkstra Algorithms 3. Network optimization with dijkstra algorithm 4. Application of Graph Theory in Computer Network Optimization 	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	yes	
Optional/General comments	References can be included to enhance the support for previous research	

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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>	

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