

Review Form 1.7

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_119712
Title of the Manuscript:	A Simple and Basic Study on Evolution of Optical Fiber Communication
Type of the 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:

(<https://www.journalcjast.com/index.php/CJAST/editorial-policy>)

PART 1: Review Comments

<ol style="list-style-type: none"> 1. Extensive referencing of existing literature and historical sources supports claims and provides a comprehensive overview of optical fiber communication development, ensuring accurate and consistent citation throughout the manuscript. 2. Integration of recent advancements in optical fiber technology beyond discussed stages (PDH, SDH, etc.) to enhance the novelty and contribution of the paper, including sections or updates on coherent optical communication, quantum communication, or advancements in fiber materials and manufacturing techniques. 3. Provision of critical analysis or comparative discussion on how recent innovations have addressed limitations of older technologies like PDH and SDH, highlighting areas where modern optical fiber systems excel and challenges that remain. 4. Inclusion of a section discussing future trends and potential directions in optical fiber communication, covering emerging technologies such as AI-driven network management, software-defined networking (SDN) applications in optical networks, or integration of optical networks with IoT and cloud computing. 5. Integration of recent innovations in optical fiber technology, such as coherent optical communication or advancements in fiber materials, to enhance relevance and capture the latest developments. 6. Provision of a comparative analysis between older technologies (e.g., PDH, SDH) and newer advancements, highlighting how modern technologies address shortcomings and discussing implications for future developments. 7. Discussion of the broader impact of optical fiber communication on telecommunications infrastructure and society, including economic implications, environmental considerations, or societal benefits enabled by high-speed communication technologies. 8. Ensure consistency in formatting and adherence to academic writing standards. 	<p>Reviewer's comment</p>	<p>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>
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<p>9. Emphasis on the original contributions and novelty of the paper, clearly articulating how it adds value to existing knowledge in optical fiber communication.</p> <p>10. Consideration of the target audience when discussing technical details, balancing the level of depth to cater to specialists and readers new to optical fiber communication.</p> <p>11. More recent references could be included to provide an up-to-date context.</p> <p>https://dx.doi.org/10.1007/s12596-024-01908-9 https://doi.org/10.1016/j.optcom.2024.130558 https://doi.org/10.1007/s11082-022-03717-5 https://doi.org/10.1016/j.optcom.2020.126219</p> <p>12. The title should be modified. The title may be updated to be more unique and attractive.</p> <p>13. The abstract is very weak. It needs to include more investigation, results, and discussion.</p>		
<p><u>Compulsory</u> 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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Partly.</p> <p>Can be improved.</p> <p>No.</p> <p>Yes.</p> <p>Yes.</p> <p>Could be improved and updated.</p>	
<p><u>Minor</u> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Needs revision and improvement</p>	
<p><u>Optional/General</u> comments</p>		

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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>	

Reviewer Details:

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