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| **IIUM ENGINEEERING JOURNAL**  **Guidelines for Authors to respond to Editor's and reviewers’ comments.** | | |
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| **Manuscript title** | **Repurposing a Sampling-Based Planner for a Six-Degree-of-Freedom Manipulator to Avoid Unpredictable Obstacles** | |
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| **Manuscript #** | **2642** | |
| The authors express their gratitude to the editors and reviewers for their time and patience to review the manuscript. We hope the modifications listed below, will result in a manuscript suitable for publication in the IIUM Engineering Journal. We look forward to your response. | | |
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| **Editor Comments** | | **Author's Response** |
| Revision has been requested | | Revision has been done |
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| **Comments of reviewer # 1** | | **Author's Response** |
| Please refer to the attachment | | Correction has been done accroding to comments and suggestion added in the manuscipt. However, the equations are still maintain at this stage of the correction because I would require MathType for my mathematical expression which I do not subscribed. However, I be more than happy to parse my equations using Latex and latex parser available in Libreoffice Writer (odt files) |
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| **Comments of reviewer #2** | | **Author's Response** |
| The introduction provide sufficient background information for readers also, understand the problem/hypotheses.   1. I see the motivations for this study need to be made clearer. 2. The study objectives clearly defined. 3. The results are clearly explained. 4. The findings are properly described in the context of the published literature. | | (1). The motivation at the first paragraph has been explained. The first sentence of the last paragraph in the introduction section reiterate the motivation |
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| The manuscript needs a comprehensive English language proofreading, there are many linguistic mistakes. | | Proof reading has been done. I also received proof reading from Reviewer 1 in his attachment. |
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| **Comments of reviewer #3** | | **Author's Response** |
| If possible, please put a light background for fig. 1(b), fig. 2 etc. | | Changes has been made based on this suggestion |
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| In fig. 2 the dashed circle is not clear to see and will become even more obscure in print version. | | Figures has been changed based on the comments |
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| A nomenclature for symbols will improve the readability a lot. | | All symbols in the paper has been addressed and described according to improved readability |
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| If possible, please put a light background for fig. 1(b), fig. 2 etc. | | The background for both figures 1 and 2 are light colored now |
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| Figures of the real robot are very dirk it’ll be better if the pictures are taken putting lights behind the camera. | | Since at the moment, the setup of used on this paper has been changed, I can only color corrected the picture of the figures for the hardware so that the robot looks more visible |
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| We thank you again for your time and efforts to help us improve the manuscript. | | |