CPSA Manuscript Revision Required | BMS-CPSA-2023-HT1-4852-1
4 messages

Cyber Physical Systems - Advances and Applications <admin@bentham.manuscriptpoint.com>   Mon, Jun 26, 2023 at 11:02 AM

Reply-To: Cyber Physical Systems - Advances and Applications <meg@benthamscience.net>
To: kak.it@psgtech.ac.in
Cc: noorulain@benthamscience.net

Reference#: BMS-CPSA-2023-HT1-4852-1

Submission Title: Cyber Physical Systems - Advances and Applications

Dear Dr. K. Kumari,

Thank you for submitting manuscript titled "Cyber Physical Systems - Advances and Applications". Your manuscript has been reviewed, and it needs revision (see comments below). You may download the correct manuscript version by Clicking here . You are encouraged to carefully revise the manuscript, highlighting the exact changes made.

Comment 1:

Chapter 1:Poor citation In the Solution section, the author proposes ML, but inside the solution, there is no ML in the solution. The continuity of the paragraph is not proper. Should elaborate on testing and validation for the experiment. How this research contributes to CPS book needs to be stressed out further.

Chapter 5: Citation issue The title is the integration of game theory and CPS, but unfortunately, the current explanation seems do not have integration. Seems stand-alone topic Chapter 6 Typo error Challenges with respect to CPS need to be elaborate in detail.
Chapter 11: Not suitable. Not related to CPS. This chapter is more focused on security especially digital forensic Suggested security book not CPS

Chapter 2: Suggested adding more literature review to make it more comprehensive, especially at VARIOUS SECURITY ISSUES IN IOT LAYERS Where are the issues? The issues are not discussed The paragraph is not having proper citation.
Chapter 3: Content is accepted.
Chapter 4: Repeatable explanation at section security and privacy.
Chapter 7: Content is accepted.
Chapter 8: Lack of citation The formatting needs to be focused since confusing in understanding the explanation.
Chapter 9: Content is accepted.
Chapter 10: Content is accepted.

Chapter 12: More in IDS. The explanation focuses on feature selection and algo but lacks integration on the industrial Critical Infrastructure perspective the title of the paper.

Comment 2:

Chapter 1 • The manuscript needs multiple revisions to improve vocabulary and heavy grammatical errors. • Background on multiple sections seems redundant. For example, What is USB ? (It's an established standard and common knowledge) • What are the existing solutions, if any for external assaults discussed in this chapter, and how is proposed solution extends or improves state-of-the-art should be discussed • The proposed AI / ML algorithms outlined to safeguard against USB Rubber Ducky and USB Killer attack does not reflect intelligence in detecting these attacks, instead implies a simple software algorithm. • The first detection step is multi-factor authentication step, where malicious entity is verified with voice, eyes followed by password. MFA is a commonly used authentication approach, not unique to solving this problem. • The slow down process of multiple files of USB Rubber Ducky will affect performance of other concurrent process executing on the system. Essentially, how will the targeted processes slowed down without affecting performance of parallel process executing on a multi-core processor? • To safeguard against USBKiller attack, the proposed algorithm switches all the applications and folder to counteract electric surge. This again has repercussions as it devoid resources and induce contention to timing critical concurrent process executing on multi-core system. The effectiveness of this approach depends on time required to discharge the USB drive. • The details of training and inference methodology of AI and ML models should be highlighted in algorithm details • The algorithms should be supported with experimental data to evaluate its effectiveness.

Chapter 2 • The paper well presented the several threats at IoT layer abstraction and existing IDS and ML techniques to detect these threats • Include comparative analysis between IDS, ML and blockchain • The background of IoT Section 2 can be made concise and include more details in Section 3, since it is the primary focus of this Chapter • Cited works in Table 2 (column description) do not match with actual reference. For instance, there is no mention about side-channel in reference 10. Similarly, there is no mention about AWID dataset in reference 11. The explanation of the information presented in Table 2 and its relation to Table 1 should be described. The citations included in Table 2 should be verified against the references.

Chapter 3 • Include References

Chapter 4 • Introduction section has significant verbosity. The content in Sec 1.6 can be concise down in just Table 1.1. The detail description of sensor operations, smart sensor operations etc.. does not contribute added knowledge in understanding CPS • Section 2.2.2 already described in Network Layer for IoT in Chapter 2.

Chapter 7 • Formatting edits in Reference 5, 7.

Chapter 8 • Sections, subsections are not highlighted. Organization of the paper requires critical changes • Include citations corresponding to references in the text. For instance, data presented in Table 2 is result of experiments conducted by authors or referenced text.

Chapter 12 • Organizing Section 1.2,1.3, and 1.4,1.5,1.6 based on Fig 2 convenient for readers to follow • The machine learning based detection with feature selection exploration techniques, and different classification models is generic to solving any malware detection problem or likewise any classification problem. The authors should establish its connection to ICS otherwise these descriptions are just common knowledge.

Language editing:

Upon checking your submitted manuscript(s) for possible English language errors, we have discovered that the following chapters require minor language editing and your manuscript cannot be accepted and sent for peer-review or qualify for other editorial steps until these errors / typos are rectified: Chapter 1 Chapter 2 Chapter 3 Chapter 5 Chapter 8 Chapter 9 Chapter 10 Chapter 11 Chapter 12 Please find attached the language editing report for the above-mentioned manuscript(s). The attached report is an auto-generated sample report created through software that identifies and advises on only some of the errors. You are requested to carefully check the rest of the manuscript(s) and ensure that such errors are not repeated elsewhere. In case you do not consider yourself up to this task, you may contact our copyediting team for assistance at the following e-mail address: https://benthamscience.com/language-editing.php. Editing your manuscript for language and grammar will involve a cost and you will be notified with a quote depending on the extent of work needed. You may even approach a professional English language editing organization of your choice for the necessary language revisions but do note please that we will require a certificate from the organization certifying that the manuscript has been editied for language and grammar and is free of English language errors. One such organization is 'TopEdit', you may contact them at https://en.topeditsci.com/. Please resubmit the manuscript again once the English language and grammar have been corrected.

Additional Comments:

Chapter 1:

In-text citation of all references missing.

In-text citation of all figures missing.

Chapter 2:

In-text citation of reference 2 is provided after reference no. 3.

Keywords are missing.

There are total 15 references in the references section, however a reference [20] is cited in the text.

Chapter 3:

In-text citation of references is not provided in the numerical order.

Citation of figure 5 was given as figure 4. Correction made.

Citation of figure 8 was missing. Added.

Chapter 4:

In-text citation of references is not provided in the numerical order.

Table 2 is provided in image format.

Figure numbers should be revised as figure 1,2,3,4,5,….. etc. and so their citations.

Numbering of Table should be revised from Table 2.1 to Table 2.

In-text citation of Table 1 is missing.

Chapter 5:

In-text citation of all references missing.

Only very few references are provided in the references section, also they are not provided out of

format.

Figure no. 4 is not provided.

In-text citation of all figures missing.

Chapter 6:

In-text citation of reference no. 16 and 17 missing.

In-text citation of all figures missing.

Chapter 7:

In-text citation of figure 7 and 9 is missing.

Chapter 8:

In-text citation of all references missing.

In-text citation of all figures missing.

In-text citation of the Table missing.

Chapter 9:

In-text citation of reference 17-19 and 35-38 missing.

In-text citation of all figures missing except figure 1 and 2.

Chapter 10:

In-text citation of references is not provided in the numerical order.

Chapter 11:

In-text citation of references is provided with authors names. It should be provided in numerical order.

In-text citation of figure no. 6 is missing.

Figure 9 was given as figure no. 8. Correction made.

Chapter 12:

In-text citation of reference 12 missing.

Table 1 citation added.

Figure 5 citation added.

Our publication policy requires the return of your revised manuscript within **one week** from the date of receipt of this message.

When submitting a revised manuscript for further consideration, please ensure that all the suggested changes are incorporated in the manuscript. Also, highlight or mark up the changes made throughout the manuscript for ease of reference.

The final decision will be taken after the nature of your response letter and revision.

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Noor ul ain Khan
Manager
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Dr Anitha Kumari K - PSGCT <kak.it@psgtech.ac.in>   Mon, Jun 26, 2023 at 11:04 AM
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Dear Dr. Kumari,
I hope this email finds you well. Kindly acknowledge the safe receipt of the email below and provide revised files at your earliest.

📄 **UPDATED BMS-CPSA-2023-HT1-4852-1.rar**

Best Regards,
Noor Ul Ain Khan
Asst. Manager Publications

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Dr Anitha Kumari K - PSGCT <kak.it@psgtech.ac.in>   Mon, Jun 26, 2023 at 11:36 AM
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Acknowledged with thanks Professor

We will work on it and revert you soon professor
[Quoted text hidden]
[Quoted text hidden]