ICSDP Submission 28 Reviewer Suggestions and Corrections

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| Question | Comments | Corrections |
| Does the paper have relevance towards contribution for an international security and data privacy conference? | Score: 4 | Nil |
| Is the abstract thoroughly written? Does it represent the main text of the article? | Score: 4 | Nil |
| Does the paper contain direction for future research and recommendations? | Score: 0 | Testing the efficacy of the proposed algorithm using mathematical modeling, for future work, has been included in the conclusion section. |
| Are the sections and paragraphs well and clearly written? Which sections and which paragraphs of this paper need extensions and clarifications? | The sections and the paragraphs are well written. The paper considers an ECG file with 1300000 sampled values and it would be good if the results of the algorithm function blocks are demonstrated in the section “Result and Analysis”. | A tabular column with the implementation of each function, and the output using ten seconds of the ECG waveform is tabulated. |
| Which mathematical equations in the article need clarification? Which theorems need clarification and extensions? Are the mathematical theorems accompanied by the proper numerical examples? Please specify | The mathematical equations used in the paper do not require clarification. | Nil |
| For Experimental Work. Do you believe that these experiments were really held ? With what Equipment? Where? Are they accompanied with Photos, Tables and other Documentation? | The experiment has been done with a 10 seconds of sample data from MIT-BIH Arrhythmia Database that contains ambulatory ECG recordings. The encryption and decryption time before and after the matrix size reduction is presented in a table. Histogram of distribution for the original and encrypted waveform is provided along with a linear plot mean squared error of encrypted against the decrypted waveform. | Nil |
| For Articles in Biomedical, Financial and Social Sciences we demand strong and well- documented Statistics. Have the authors carried out and included the right Statistical tests like: t-text, Chi Square etc? Please, check | This is not applicable for this paper. | Nil |
| What Simulation / Statistics / Experiments / Experimental Analysis in the paper need extension and more clarifications? In which paragraphs? | It would be good if the results of the algorithm function blocks are demonstrated in the section “Result and Analysis” when it was applied on the sample data. | A tabular column with the implementation of each function, and the output using ten seconds of the ECG waveform is tabulated. |
| Do the authors use abbreviations without the necessary explanations? If the authors use the abbreviation GOT, what GOT stands for? | Did not come across such an instance while reviewing the paper. | Nil |
| Overall evaluation  for paper and suggestion for improvement | The paper has presented an execution time improvement in matrices based symmetric encryption by optimize the size of the matrix. The improvement has been demonstrated on a 10 seconds of sample data from MIT-BIH Arrhythmia Database that contains ambulatory ECG recordings and presented as a comparison table showing the time taken before and after matrix optimization. It would be good if the results of the algorithm function blocks are presented in the section “Result and Analysis” when it was applied on the sample data. | A tabular column with the implementation of each function, and the output using ten seconds of the ECG waveform is tabulated. |