

## ABSTRACT

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*The communication system has developed quite rapidly with the many emerging telecommunication technologies. Global Systems for Mobile Communications (GSM) is one of the most used communication technologies worldwide. The increasing number of users make the secured information for the exchanged is one of the important aspects to note.*

*Information on GSM networks can be analyzed using GPU Processing System. In addition, GPU Processing System can be used to assist the computing process that will be done.*

*GPU Processing System has a function to perform a job that requires a lot of calculations in a short time.*

*Based on the implementation, GPU Processing System in the final process is able to reduce the slow computing more faster than the old version.*

*Keywords: GSM, GPU Processing System*