

Project Title: Information hiding: A New Approach On Manipulation Of Whitespaces In Text Steganography Using Dynamic Text Generator
Project No.: RG012-09ICT
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Project Duration: 1 April 2009 – 31 October 2011
Amount Granted: RM 108, 400.00

Abstract:

WhiteSteg is a standalone security software application that enables users to communicate via a public communication channel (internet) through embedding a secret message or a file into an innocent looking cover-text (cover-medium). The concept of WhiteSteg is to implement a steganographic system with a hybrid method by hiding the secret message or secret data within the spaces between words and paragraph. WhiteSteg provides data encoding and decoding for end-users and it is programmed in Java. Due to its flexibility, WhiteSteg can be run on any device equipped with a Java virtual machine (JVM) such as Linux, Mac OS, Windows OS and etc. WhiteSteg can embed any type of secret data including documents files, images, archives, video, audio, and even database file (e.g. .mdb, .doc, .rar, .avi, .pdf, .png and etc). WhiteSteg provides excellent usability, feasibility and convenience for end-users as a security application where WhiteSteg do not have file types constraints for a secret data during the embedding process.