



Figure 7: Screen for De-embedding

9. Conclusion

In this paper, we have developed a new steganography technique that allows the sender to embed the secret data in the cover image through a password, which is known only to the sender and receiver. The receiver provides the password and gets the secret data intended to him. Here, we have developed a proposed system in java using the said algorithm. Here we have also used a compression algorithm that will increase the storage capacity. Thus the Steganography technique proposed is more robust and very efficient for hiding text .

10. Future Scope

The Steganography techniques will continue to increase in popularity over the cryptography. There are various future scopes in hiding the secret data in audio and video formats. There is also a scope in developing a system which is a combination of the merits of both techniques.

References

- [1] Johnson, Neil F., "Steganography", 2000, URL: <http://www.jjtc.com/stegdoc/index2.html>
- [2] B. Dunbar. A detailed look at Steganographic Techniques and their use in an Open-Systems Environment, Sans Institute, 1(2002).
- [3] Latika and Yogita Gulati," A Comparative Study and Literature Review of Image Steganography Techniques" IJSTE - International Journal of Science Technology & Engineering | Volume 1 | Issue 10 | April 2015.
- [4] Gowtham Dhanarasi and Dr.A. Mallikarjuna Prasad "Image Steganography using Block Complexity Analysis" International Journal of Engineering Science and Technology (IJEST) Vol. 4 No.07 July 2012
- [5] Rahul Jain and Naresh Kumar "Efficient data hiding scheme using lossless data compression and image steganography" International Journal of Engineering Science and Technology (IJEST) Vol. 4 No.08 August 2012.
- [6] Siddharth Singh and Tanveer J. Siddiqui "A Security Enhanced Robust Steganography Algorithm for Data Hiding" IJCSI International Journal of Computer Science Issues, Vol. 9, Issue 3, No 1, May 2012.
- [7] Hemalatha S1, U Dinesh Acharya, Renuka A, Priya R. Kamath "A secure and high capacity image steganography technique "An International Journal (SIPIJ) Vol.4, No.1, February 2013
- [8] Vipul Sharma and Sunny Kumar "A New Approach to Hide Text in Images Using Steganography" International Journal of Advanced Research in Computer Science and Software Engineering Volume 3, Issue 4, April 2013.
- [9] Dipesh Agrawal and Samidha Diwedi Sharma "Analysis of Random Bit Image Steganography Techniques "International Journal of Computer Applications (0975 – 8887) International Conference on Recent Trends in engineering & Technology - 2013(ICRTET'2013)."
- [10] Kumar, R. And Chand, S." A new image steganography technique based on similarity in secret message" Confluence 2013: The Next Generation Information Technology Summit (4th International Conference) IET.
- [11] Ashima Wadhwa "A Survey on Audio Steganography Techniques for Digital Data Security "International Journal of Advanced Research in Computer Science and Software Engineering Volume 4, Issue 4, April 2014.
- [12] Dagar, S. "Highly randomized image steganography using secret keys "Recent Advances and Innovations in Engineering (ICRAIE), 9-11 May 2014
- [13] Islam, M.R. Siddiqua, A. ; Uddin, M.P. ; Mandal, A.K. ; Hossain, M.D. "An efficient filtering based approach improving LSB image steganography using status bit along with AES cryptography" Informatics, Electronics & Vision (ICIEV), 2014 International Conference 23-24 May 2014.

Author Profile



Latika is currently in M-Tech Final year in Computer Science and Engineering from PIET College, Haryana. She has published four Research Papers in international journals. Her research areas include steganography, cryptography, and network security.

