**AUTHENTICATION BY ENCRYPTED NEGATIVE PASSWORD**

A password protection scheme called Encrypted Negative Password (ENP), which based on the Negative Database, cryptographic hash function and symmetric key encryption. Main theme of the project is password authentication framework. In this framework, first the received plain password from a client is hashed through a cryptographic hash function (SHA 256), then, the hashed password is converted into a negative password. Finally, the negative password is encrypted into an Encrypted Negative Password (ENP) using a symmetric-key algorithm (AES), and multi-iteration encryption could be used to further enhance passwords. The cryptographic hash function and symmetric encryption make it difﬁcult to crack passwords from ENPs. There are lots of corresponding ENPs for a given plain password, which makes pre-computation attacks (lookup table attack and rainbow table attack) infeasible. The proposed framework includes two phases: the registration phase and authentication phase. The proposed work aims to find the different types of crime and provide some preventive measures to protect themselves from those who would steal, deny access to, or destroy valuable information.

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