

SYNOPSIS OF THE PROJECT

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| Shared folder/git repository details | https://github.com/himaudit211/Mainproject |
| Project Title | Biometric Authentication Framework Based on Genetic Encryption Algorithm |
| <p>Description of Project :Different cancelable biometric techniques have been proposed to maintain user data security. In this project , a cancelable biometric framework is introduced to satisfy user data security and keeping the original biometric template safe away from intruders. Thus, our main contribution is presenting a novel authentication framework based on the evolutionary Genetic Algorithm (GA)-based encryption technique. The suggested framework produces an entirely unrecognized biometric template by hiding the whole discriminative features of biometric templates; this is with exploiting the outstanding characteristics of the employed Genetic operations of the utilized encryption technique. Firstly, the GA initiates its search from a population of templates, not a single template. Secondly, some statistical operators are used to exploit the resulting initial population to generate successive populations. Finally, the crossover and mutation operations are performed to produce the ultimate cancelable biometric templates. Biometric databases of the face templates are tested and analyzed.</p> | |
| Front end and Backend Tools | PYTHON and HTML,CSS. |

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