Abstract of research 1

Topic: PupyRat(kali linux)

Network security has become more important to personal computer users and organizations. With the advent of the internet, security became a major concern so several algorithms and techniques like hashing, encryption were developed. In this paper we focus on obtaining the windows hashed password through PupyRat and then performing a reverse hash with the help of findmyhash. Solutions to avoid reverse hashing are also proposed in this paper.

Abstract of research 2

Topic: misplaced item finder using template matching

The modern world is enclosed with gigantic masses of digital visual information. Increase in the images has urged for the development of robust and efficient object recognition techniques. A single object can be easily detected in an image. Multiple objects in an image can be detected by using different object detectors simultaneously

People are more tend to forget or misplace their belongings. In this paper we propose a model that can find misplaced items. This proposed model captures images of item once they are picked and placed which are then stored in the cloud with timestamp. An user interface is provided to search for the lost or misplaced item. An image similar to the item searched is fetched from the internet and is compared with the help of an object recognition technique known as template matching.