**1.A Study on SQL Injection Techniques .**

**Rubidha Devi.D, R. Venkatesan, Raghuraman.K**

<https://www.researchgate.net/publication/316886377_A_study_on_SQL_injection_techniques>

In the proposed system, SQLSUS is an SQL injection method that is used to retrieve database structure without user’s knowledge. Attack is classified based on attacker’s intention, vulnerabilities and asserts.

**2. An Approach for Preventing SQL Injection Attack on Web Application.**

**Archana Gupta, Dr. Surendra Kumar Yadav**

<https://www.ijcsmc.com/docs/papers/June2016/V5I6201601.pdf>

SQL injection abuses security vulnerabilities at the database layer where the information entered by clients is sent to the SQL mediator as a part of a SQL question. In the proposed system, data entered by the user is accessed and displayed to the attacker.

**3. SQL Injection Prevention System.**

**Voitovych O.P, Yuvkovetskyi O.S, Kupershtein L.M.**

<https://www.researchgate.net/publication/310454603_SQL_injection_prevention_system>

The proposed system is a Blind Time Based SQLi which uses time delay which is specific for different responses of database. Depending on the time it takes to get the server response, it is possible to deduct some information. The server load and the network speed may have a huge impact on the response time.

**4. a)Presenting New Dangers: A Deep Learning Approach to Password Cracking.**

**Annie Chen**

<http://www.cs.tufts.edu/comp/116/archive/fall2018/achen.pdf>

**b)PassGAN: A Deep Learning Approach for Password Guessing.**

**Briland Hitaj, Paolo Gasti, Giuseppe Ateniese, Fernando Perez**

<https://arxiv.org/pdf/1709.00440.pdf>

The goal was to have as many correct password guesses as possible in smallest number of tries. This system supported in turning the passwords into hashes and checking them against the unknown passwords. Then the hashes are converted to human understandable format.

**5. Reasoning Analytically About Password-Cracking Software.**

**Enze Liu, Amanda Nakanishi, Maximilian Golla, David Cash, Blase Ur**

<https://www.blaseur.com/papers/sp19-pwcracking.pdf>

Humans use predictable patterns in passwords. Data driven methods are used for modern password cracking.

**6. Survey Paper on Different Type of Hashing Algorithm.**

**Mahesh A. Kale, Prof. Shrikant Dhamdhere**

<http://ijasret.com/VolumeArticles/FullTextPDF/189_4.Survey_Paper_on_Different_Type_of_Hashing_Algorithm.pdf>

**A Comparative Study of Hash Algorithms in Cryptography.**

**Prashant P. Pittalia**

<https://ijcsmc.com/docs/papers/June2019/V8I6201928.pdf>

Cryptographic hashing algorithms can be made non cryptographic by making reasonable changes in the hashing plans.In the proposed system, the possible hash formats is identified using Hash-Identifier.

**7a) MPI Enhancements in John the Ripper.**

**Edward R. Sykes, Michael Lin, Wesley Skoczen**

<https://www.researchgate.net/publication/231084612_MPI_Enhancements_in_John_the_Ripper>

**b)Distributed Password Cracking with John the Ripper.**

**Tyler Lubeck**

<https://pdfs.semanticscholar.org/1cff/54069db1a77b8799795fd61b903b612622ec.pdf>

JtR is free and Open Source, and is largely distributed in compilable source code form. The proposed system uses single mode attack. The Single mode attacks compute hashes for supplied password lists and check those hashes against the hashes in the password files.

**8a)Hacking Attacks, Methods, Techniques and Their Protection Measures.**

**Dr. Sunil Kumar, Dilip Agarwal**

<https://www.researchgate.net/publication/324860675_Hacking_Attacks_Methods_Techniques_And_Their_Protection_Measures>

**b)Towards the Impact Of Hacking On Cyber Security .**

**Deepansh Kumar , Yugansh Khera, Sujay, Nidhi Garg, Prateek Jain**

<https://www.researchgate.net/publication/326812925_TOWARDS_THE_IMPACT_OF_HACKING_ON_CYBER_SECURITY>

In the proposed system the encrypted password is hacked from the database using John the Ripper tool. Hacking alters the software and hardware that is done outside of the inventor's objective.