

## Social Media Security based on OTP and Biometric System

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### Abstract

One-time passwords are a method for validating yourself to a framework using a solitary utilize mystery that is particular to you and may have a restricted day and age of legitimacy. At the end of the day, you have two passwords. One that you know. One that is produced for you or sent to you. You need to have the two passwords to login. Digital assaults are continually advancing, so security masters must remain occupied in the lab coming up with new plans to keep them under control. Master onlookers are cheerful that another strategy called Honey Encryption will stop programmers by serving up counterfeit information for each wrong figure of the key code. This special approach backs assailants off, as well as possibly covers the right key in a sheaf of false expectations. At that point there are developing strategies like quantum key circulation, which shares keys inserted in photons over fiber optic, that may have reasonability now and numerous years into the future too. Making an OTP in an any Social media Application have turned out to be normal yet Authenticating the Application with OTP when you login each time in any online networking site. OTP code will get when you login your record in some other gadget, it request portable number and we have enter the substantial number with the goal that we will get a check code. This is one method for securing the Social media Website from Unauthorized clients.

**Keywords:** OTP, AES Social Media, Security, Honey Encryption

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### 1. Introduction

One-time secret key frameworks give a component to signing on to a system or administration utilizing an interesting watchword which must be utilized once, as the name proposes. This keeps a few types of data fraud by ensuring that a caught client name/secret key combine can't be utilized a moment time. Normally the clients logon name remains the same, and the one-time secret word changes with each logon. One-time passwords are a type of alleged solid confirmation, giving much better security to on-line financial balances, corporate systems and different frameworks containing delicate information.

Today most venture systems, web based business locales and online groups require just a client name and static secret key for logon and access to individual and touchy information. In spite of the fact that this confirmation technique is helpful, it isn't secure in light of the fact that online wholesale fraud – utilizing phishing, console logging, man-in-the-middle assaults and different strategies – is expanding all through the world.

Solid confirmation frameworks address the confinements of static passwords by joining an extra security accreditation, for instance, a transitory one time secret word (OTP), to ensure arrange access and end-clients' advanced characters. This includes an additional level of insurance and makes it

greatly hard to get to unapproved data, systems or online records. One-time passwords can be produced in a few ways and everyone has exchange offs in term of security, comfort, cost and precision. Basic techniques, for example, exchange numbers records and lattice cards can give an arrangement of one-time passwords. These techniques offer low venture costs yet are moderate, hard to keep up, simple to repeat and share, and require the clients to monitor where they are in the rundown of passwords.

A more advantageous route for clients is to utilize an OTP token which is an equipment gadget equipped for creating one-time passwords. Some of these gadgets are PIN-ensured, offering an extra level of security. The client enters the one-time secret key with other character accreditations (ordinarily client name and watchword) and a verification server approves the logon ask. Despite the fact that this is a demonstrated answer for big business applications, the sending expense can make the arrangement costly for buyer applications. Since the token must utilize an indistinguishable strategy from the server, a different token is required for every server logon, so clients require a different token for each Web webpage or system they utilize.

Further developed equipment tokens utilize chip based shrewd cards to compute one-time passwords. Keen cards have a few favorable circumstances for solid confirmation including information stockpiling limit, preparing force,

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convey ability, and usability. They are inalienably more secure than other OTP tokens since they produce a one of a kind, non-reusable secret key for every verification occasion, store individual information, and they don't transmit individual or private information over the system.

Savvy cards can likewise incorporate extra solid validation abilities, for example, PKI, or Public Key Infrastructure declarations. At the point when utilized for PKI applications, the brilliant card gadget can give center PKI administrations, including encryption, advanced signature and private key age and capacity.

Gemalto keeps cards bolster OTP solid validation in both Java™ and Microsoft .NET conditions. Various shape elements and availability alternatives are accessible so end-clients have the most fitting gadget for their individual system get to necessities. All Gemalto OTP gadgets work with the same Strong Authentication Server and are bolstered with a typical arrangement of authoritative instruments.

Nectar Encryption is a security instrument that makes it troublesome for an aggressor who is completing a beast drive assault to know whether he has effectively speculated a watchword or encryption key. Regularly, an assailant will know he's speculated wrong on the grounds that the decoded results will be muddled.

On the off chance that Honey Encryption has been utilized, notwithstanding, the wrong figure will create imposter comes about that have all the earmarks of being bona fide. Since each off base figure creates a conceivable outcome, it will be troublesome for the assailant to know when he has speculated accurately.

Nectar Encryption was made by Ari Juels, previous boss researcher of the RSA, and Thomas Ristenpart from the University of Wisconsin. At the season of this composition, Honey Encryption is most appropriate for developments in which scrambled information is gotten from passwords Nectar encryption (HE). Motivated by such distraction frameworks, we set out to fabricate HE plots that give security past the savage power hindrance. These plans yield applicant messages amid beast constrain assaults that are indistinct from legitimate ones.

## 2. LITERATURE SURVEY ON OTP SECURITY

### 2.1. OTP-Based Two-Factor Authentication Using Mobile Phones

Two-factor confirmation (2FA) gives enhanced assurance, since clients are provoked to give something they know and something they have. This procedure passes on a more hoisted measure of affirmation certification, which is essential for web dealing with a record security. Many keeping cash structures have satisfied the 2FA essentials by sending a One Time Secret key (OTP), something had, through a SMS to the customer's phone device. Unfortunately, worldwide meandering and SMS expenses

and concedes put impediments on this structure unflinching quality.

This paper demonstrates a novel two-factor check contrive whereby a customer's device produces items OTPs from a hidden seed using the proposed age plot. The fundamental seed is made by the exchanges accessories' novel parameters. Applying the various from one ability to a particular seed ousts the need of sending SMS-based OTPs to customers, and reductions the imprisonments caused by the SMS system.

Web based keeping cash requires strong customer approval. Customer approval is as often as possible achieved by utilizing a two-figure check technique light of something the customer knows, i.e., a static mystery key, and something the customer has, i.e., an OTP. The critical ideal position of including a wireless is that most customers starting at now have PDAs, and in this way no extra hardware token ought to be bought, sent, or reinforced.

The regular system works by sending an OTP over a SMS to a customer who needs to make an online trade. In any case, this two-factor approval structure encounters the going with insufficiencies:

a. **SMS Cost** During each login demand or exchange process, it is important to send a SMS- OTP from the bank to the client. This, thusly, will be exorbitant to the keep money with the thought of measurements of bank's exchanges.

b. **SMS Lateness** The SMS transmission delay speaks to one of the significant impediments of the conventional framework.

c. **Worldwide Roaming** Traveling abroad makes confinements on the SMS administrations. Killing the meandering administration will keep the bank from sending the SMS-OTP, which thusly, prevents the client from continuing any further procedures.

d. **SMS Security** It can be said that while planning the GSM framework, it had all safety efforts as a top priority, yet as time passed and calculations were broken by the programmers, SMS-OTP based frameworks were not kept secure.

As requirements be, new responses for flexible correspondence endorsers have been proposed. One of these utilizations in turn around hash chains to create an OTP for confirmation purposes. This plan, regardless, generally requires raised figuring by the client's contraption, which conventionally has compelled computational resources.

To overcome the imprisonments inspected over, this paper will discuss OTP creation the forward way. This creation will thoroughly get rid of the said imperatives. Our thinking is to convey different OTPs from a hidden seed in a parallel system with the expert association itself, e.g., an online bank, by utilizing two particular sorts of hash limits, which go with a settled chain. The resulting chain gives inconvenience and relentlessness. A definite security examination was likewise played out that secured a large number of the regular sorts of assaults. The two factor validation property has been accomplished without limitations.

## 2.2. OTP Encryption Techniques in Mobiles for Authentication and Transaction Security.

The change and headway in innovation influences the present day to advanced cells and PDAs more sophisticated. It has definitely changed the route in which we play out our m-keeping money exchanges. At the point when a customer starts a bank exchange, he is given an OTP which is sent to his registered mobile number by means of SMS. The customer sends back the OTP inside a brief period to finish the exchange. The OTP SMS is produced by the bank server and is given over to the customer's versatile administrator. To maintain a strategic distance from any conceivable assaults like phishing, man-in-the middle attack, malware Trojans, the OTP must be secured. Keeping in mind the end goal to give a solid and secure method of online exchanges with no bargain to comfort, a dependable m-saving money validation plot that consolidates the mystery PIN with encryption of the one-time secret key (OTP) has been produced in this paper.

The mystery PIN known just between the customer and the bank is utilized for scrambling the OTP. After the scrambled OTP SMS achieves the customer's versatile, the PIN is utilized again utilized for decoding. The plain OTP content ought to be sent back to the bank will checked at the server to finish the exchange started. The mix of PIN with OTP gives validation and security. The proposed plot gives security regardless of the possibility that any question emerge due any conceivable assaults like web hacking or versatile robberies.

Electronic trade (EC) is a term used to play out any sort of business or business exchanges with the assistance of web. It gave administrations like on- line shopping, E-exchanging, E-saving money, on- line administrations like travel tickets booking, etickets and so on. An online exchange framework is an installment technique that approves exchange of assets over an Electronic Fund Transfer (EFT).

Indeed, even in creating nations individuals incline toward online installments in light of the comfort and expenses. In online exchanges, the electronic installments are made through charge cards/charges cards or direct net managing an account exchanges. E-installments are the most favored mode for any exchanges in light of the wellbeing and security highlights it have. E-installments have turned into a key mode and are progressively utilized wherever from little traders to enormous, to lead business. Online installments improve our lives to a great extent.

Electronic saving money (e-managing an account) is a standout amongst the best organizations of online business. The client is free direct business with no spatial and worldly confinements. Banks utilizes e- keeping money since this fulfill the client needs as well as have more financial preferred standpoint by supplanting the generously compensated bank agents with focal web server which costs considerably less. With the headway and change in innovation, more advanced cell phones and PDAs have turned out to be more famous. Since individuals consider

that wireless is an individual tried and true device and it is turning into the fundamental thing of their lives. This has rolled out an extreme improvement by they way we play out our bank operations. All the gadgets are fit for utilizing internet,cellular telephones was the resulting move in the improvement of electronic managing an account.

## 2.3. Threats to OTP

### Wireless Interception

The GSM innovation is unreliable because of a few vulnerabilities, for example, an absence of common validation and powerless encryption calculations. Additionally inquire about demonstrates that the correspondence between cell phones and base stations can be listened in and decoded utilizing convention shortcomings. Recently, it has been demonstrated that femtocells (little 3G base stations that are conveyed in client homes) can be mishandled to capture 3G correspondence, including SMS messages.

### Mobile Phones Trojans

Mobile telephone malware, and particularly Trojans, that are intended to block SMS messages containing OTPs, are a rising risk. This sort of malware is made by hoodlums straightforwardly with the end goal of profiting. In the accompanying, we give a diagram of the various types of SMS OTP taking Trojans. The ZITMO (Zeus In TheMOBILE) Trojan for Symbian OS is the main known bit of malware that was particularly made for blocking mTANs. ZITMO can likewise erase SMS messages.

This capacity can be utilized to totally conceal the way that a SMS message containing a mTAN at any point landed at the tainted telephone. Further, the ZITMO Trojan can be remotely reconfigured through SMS. Through this the aggressor can, for instance, change the goal number for sent SMS messages. This Trojan purchases things from online stores and catches the SMS messages containing a confirmation code that is expected to finish the installment procedure. Furthermore, encourage versatile malware, additionally takes validation certifications, and assaults cell phone proprietors

Another business cell phone Trojan mSpy is a portable application that can be introduced on the telephone to be hacked. Once introduced, general remote access can be picked up to the observed versatile and ready to peruse their writings whenever as and when required. With mSpy introduced, every one of the calls to that versatile can be checked, instant messages can be followed, messages synchronized to the mobiles can be perused, GPS area can be followed, Calendars and address books can be gotten to and texts can be perused. It moves hacked information in little parcels so it isn't clear and can never be detected.

### Phishing

Phishing is a type of electronic wholesale fraud in which a mix of social designing and site are utilized to trap a client into uncovering secret data with financial esteem. In a normal assault, the aggressor sends countless messages to

arbitrary web clients that give off an impression of being originating from an authentic business association, for example, a bank. The email asks the beneficiary (i.e., the potential casualty) to refresh his own data utilizing joins in the email, if the beneficiary does not do as such it will bring about the suspending of his web based managing an account. Such un-grounded dangers are basic in social building assaults and are a powerful procedure in influencing clients.

At the point when the clueless casualty takes after the phishing join gave in the email, he is coordinated to a site that is under the control of the assailant. The site is set up in a way with the end goal that it looks well-known to the casualty by emulating the visual corporate character of the objective association by utilizing same symbols, logos and printed data.

In this paper, Feistel Network strategy for encryption is proposed for figuring OTP. The fundamental preferred standpoint of this strategy is that the measure of the information can be effortlessly changed. The sub-keys are created in each round and this produces falling cycles. It winds up plainly hard to split if more adjusts are utilized for encryption.

## 2.4. Graphical Password as an OTP

The most widely recognized PC validation technique is to utilize alphanumeric usernames and passwords. This strategy has been appeared to have noteworthy disadvantages. For instance, clients tend to pick passwords that can be effectively speculated. Then again, if a watchword is difficult to figure, at that point it is regularly difficult to recollect. To address this issue, a few specialists have created verification strategies that utilization pictures as passwords known as graphical secret word. This paper gives extra layer of security to ordinary printed secret word by utilizing graphical watchword for confirming the client.

As graphical passwords are powerless against bear surfing assault henceforth one-time produced secret word is sent to clients portable. Utilizing the texting administration accessible in web, client will get the One Time Password (OTP). The OTP will be the data of the things display in the picture to be clicked by the client. The clients will validate themselves by tapping on different things in the picture in view of the data sent to them. Also, it gives openness to outwardly weakened individuals.

## 2.5. QR Code based secure OTP distribution scheme for Authentication in Net-Banking

Validation is the way toward checking the character of a client. One time passwords (OTP) assume an indispensable part for confirmation in net-managing an account to influence it more to secure. OTP are utilized to give higher layer of security over static passwords that are inclined to replay assaults. Conveyance of OTPs to concerned client is a noteworthy issue. Short message benefit that is accessible

for cell phones is the most well-known procedure for OTP circulation. Speedy Response code (QR code) is really two dimensional standardized identifications and can store data in both length and breath. QR codes are broadly being utilized to pass on short data, for example, site address, portable numbers and so forth. In this paper we are showing another confirmation conspire for secure OTP circulation in net saving money through QR codes and email.

Framework comprises of a web benefit that will create alpha-numerical OTPs utilizing pseudo- arbitrary numbers and current timestamp. Utilization of timestamp additionally guarantees security and uniqueness of OTP. The alpha-numerical secret key string is then scrambled utilizing Advanced Encryption Standard(AES).

The key for the calculation will be ATM stick of the client since it is one of a kind for each client and can be gotten by Bank Server in each login session through record number. The AES calculation is utilized here since it gives higher security as well as it enhances execution in such basic frameworks. The scrambled string is then changed over to QR picture by the Bank Server. It is then sent to the concerned client utilizing email as transmission medium by means of SMTP. Client at that point downloads the QR code picture and transfers it in standard application that is made accessible to him by net banking supplier. The application gives space to QR picture to be transferred and client at that point enters his ATM stick which is utilized to decode the string read from QR code.

The approval of the stick is done by sending solicitation to the bank server. On the off chance that the ATM stick is entered accurately, application shows the OTP that was produced for the session. Client at that point enters the OTP for net-managing an account and finishes confirmation. At that point any sort of exchange can be completed online on the specialist co-op site.

In this paper we have proposed a novel verification conspire for net-saving money through QR code based OTPs. As of late there has been a lofty increment in the quantity of net-keeping money clients. Henceforth the proposed framework fulfills the high security prerequisites of the online clients and ensures them against different security assaults. Likewise the framework does not require any specialized pre-imperative and this makes it exceptionally easy to understand. Subsequently QR code turns out to be adaptable in the meantime valuable for both the clients as far as security and merchants as far as expanding their proficiency. Consequently it is most broadly used to promote and showcase the items by generally organizations

## 2.6. Secure Login Using Encrypted One Time Password (Otp) and Mobile Based Login Methodology

In Online based applications a large portion of them utilized static passwords. In that they take after numerous methods to secure their accreditations. For illustrations: Multi level secret key validations, hard codes, Session Passwords, bi-matric methods, and One Time Password. Each strategy has

a few points of interest and hindrances. Our proposed thought is to upgrade the security level of One Time Password by Encrypting it and logging the client by sending the encoded OTP with Password to the framework. It expands the security level of the framework.

The many weaknesses of single static passwords incorporate that they are so natural to interpret. Frequently, they are short and in view of subjects near the client—birthday events, accomplice names, youngsters' names—and they are regularly just letters. Single static passwords are likewise defenseless against social designing, i.e., individuals requesting passwords or speculating them effectively. Some reviews did at railroad stations have indicated that it is so natural to inspire individuals to uncover their passwords. They can likewise be gotten by spyware. It is having many opportunity to others can getting to their own records, else we have to change the secret key over and over. To conquer these downsides new technique is imagined that is called "One Time Password (OTP)".

Pick a secret word that is substantial for just a single login session or exchange. This OPT enable the client to get login into the framework by entering their secret word with OTP. In our proposed approach is, after client entering the username and secret word web server creates the Encrypted OTP utilizing AES calculation and send it to the clients versatile. OTP is a scrambled arrangement, so clients can't read it. Rather than that, client needs to forward that OTP with framework logging secret word to the framework. At the framework end encoded OTP is unscrambled and check the OTP, Password and versatile number for a specific username. In this approach client's data are confirmed in many levels. It maintains a strategic distance from the unapproved logging

AES calculation: AES is an iterative and a symmetric key piece figure that utilizes three keys qualities of 128, 192 and 256 bits. The AES encryption and AES unscrambling happens in squares of 128 bits. The greatest square size can be 256 bits however the key size has no hypothetical most extreme. Not at all like the general population key figures the AES cryptography utilizes a similar key to scramble and unscramble information. The client basically need to choose AES scramble or AES unscramble and the encryptor will do the rest.

It is one of the ideal cryptography calculations to ensure individual information. The scramble AES device changes over the information plain content to figure message in various reiterations in view of the encryption key. The AES unscramble strategy utilizes a similar procedure to change the figure message back to the first plain content utilizing a similar encryption key. AES has additionally been called Rijndael on its designers Joan Daemen and Vincent Rijmen. In this paper, we have proposed another plan to upgrading the execution of the One Time Password to give Authentication to System. OTP is scrambled and send to client and client can login just utilizing portable based innovation. This approach gives the abnormal state validation to the framework by checking the client's Password, OTP and portable number. In this technique fairly framework stack is expanded by encoding and decoding of

OTP for various clients. Later on, we intend to ponder how to decrease the framework load and increment framework execution while utilizing this approach.

## 2.7. Design of a Time and Location Based One-Time Password Authentication Scheme

As the portable systems are jumping up, cell phones turn into an unquestionable requirement contraption in our day by day life. Individuals can without much of a stretch access Internet application administrations whenever and anyplace by means of the hand-conveyed cell phones. The vast majority of current cell phones are furnished with a GPS module, which can help get the realtime area of the cell phone. In this paper, we propose a novel verification plot which abuses unpredictable passwords – One-Time Passwords (OTPs) in light of the time and area data of the cell phone to straightforwardly and safely verify clients while getting to Internet administrations, for example, web based managing an account administrations and online business exchanges. Contrasted with a perpetual secret word base plan, an OTP based one can keep clients from being listened in.

Notwithstanding a memoryless component, the plan confines the validness of the OTP secret key in a specific day and age as well as in a tolerant geometric locale to expand the security insurance. Be that as it may, if a real client isn't in the foreseen tolerant locale, the client may neglect to be validated. Consequently, a Short Message Service (SMS) based shared validation system is likewise proposed in the article to supplement the surprising misjudgement. The proposed technique with an unstable time/area based secret key highlights more secure and more helpful for client verification.

On account of the advancement of the portable innovations, individuals can get to Internet benefits pervasively by the hand-conveyed cell phones. Right now, the greater part of current cell phones are outfitted with a GPS module giving continuous area data. The area expectation procedure has gained ground with the help of the develop GPS innovation. An exact area predication can encourage the geo- encryption or geoauthentication to improve the security assurance.

These preferences have been effectively connected to the security control in a specially appointed system condition. Then again, the One Time Password (OTP) plot has been connected to some vital administrations, for example, internet saving money administrations and web based business exchanges. Such an instrument of an unstable watchword can reduce the danger of secret key being stolen by some pernicious clients. In this paper, we propose an answer that uses a period and area subordinate OTP which can keep changeless passwords from being sniffed for confirmation while getting to the Internet application benefits in a portable domain.

The proposed arrangement enhances the client comfort and confirmation security enormously. This plan can straightforwardly verify clients in a tolerant geometric area

too with the goal that clients don't have to physically sort in their passwords.

## 2.8. Password Typos Resilience in Honey Encryption

Honey encryption (HE) is a novel watchword based encryption conspire which is secure against beast compel assault regardless of the possibility that clients' passwords have min-entropy. Be that as it may, in light of the fact that decoding under a wrong key produces counterfeit however substantial looking messages to everybody, errors in secret key may confound even real clients in HE. This has been a standout amongst the most difficult issues in HE. In this paper, we propose two sorts of conventions that empower genuine clients to identify the mistakes in a watchword. We think about and break down the execution and security of each plan. The examination comes about demonstrate that the proposed plans can successfully take care of the grammatical mistakes issue in HE while giving message recuperation security.

## 3. FRAMEWORK DESCRIPTION AND SECURITY GOALS

The framework depiction and danger demonstrate are change by the plans. Consequently we clarify the points of interest of them in the area of each plan.

**System Description** We assume a framework design made out of the accompanying three substances: client, server, and database director.

**User.** The objective of a client is to safely store his information in the server or database. For that reason, clients pick their own particular passwords, which will be utilized mystery keys for information encryption.

**Server.** The server is in charge of encryption of the clients' information utilizing HE plot. We accept that the server is completely trusted.

**Database supervisor.** The database supervisor is in charge of putting away information which is scrambled under HE plot. It is semi-trusted which implies that despite the fact that it legitimately stores the information however it is additionally inquisitive about the information. Each plan comprises of three stage: enlistment, recovery, and check.

**Enrollment stage.** A client sends his plaintext messages to the server with his picked secret word. At that point the server continues information encryption and stores or sends it to the database trough.

**Retrieval stage.** After client verification, a client demands for recovery of the information from the server or database director relying upon the framework models. **Verification stage.** The client demonstrates that the information is the first message which implies that there are no grammatical errors in the secret key.

**Nectar encryption** is a novel encryption conspire that gives security past the beast constrain bound. Be that as it may, it has an errors issue that the mistakes in secret key may

befuddle a true blue client, since unscrambling under a wrong key produces counterfeit however legitimate looking messages. Hence, grammatical errors issue in HE is more basic than in other secret key based plans. Late investigations demonstrated that grammatical mistakes in secret word happen much of the time, along these lines the arrangements that arrangement with the errors issue ought to be proposed. In this paper, we presented two unique plans: A-Type and B-Type They have distinctive framework models, risk models and developments. We broke down the grammatical mistakes distinguishing precision and security for each plan. We demonstrated that our plans give MR security as in HE plot. The proposed plans can be connected adaptably to the differing applications.

## 4. PROPOSED WORK

A one-time secret key (OTP) is a consequently created numeric or alphanumeric series of characters that validates the client for a solitary exchange or session.

This is utilized by numerous online stages to approve client exchanges and character. User Authentication while making exchange is the most critical factor for any business.

Phonon gives a standout amongst the most secure validation strategy by making a token or irregular code and sends OTP by means of. SMS, Email and Voice Calls to the clients. When client gets the token or haphazardly produced code, at that point client can enter those subtle elements and approve himself/herself.

During OTP conveyance to the client, Phonon keeps up strict TRAI and NDNC consistence while sending messages and making calls to the enrolled telephone numbers.

For email conveyance, Phonon utilizes Amazon SES Integration with SPF and DMARC/DKIM validation to guarantee that the mail is conveyed to the Primary inbox of the client. OTP (One Time Password) security is kept up through a restricted hash in light of the HMAC SHA calculation and Honey Encryption Algorithm

This framework expects to give expansion layer of security to the typical validation framework by utilizing graphical secret key plan with Strong Encryption Algorithm. Moreover, it gives availability to outwardly impeded clients. This framework tries to stay away from bear surfing assault, word reference assault, beast constrain assault, speculating assault by producing one time secret word. This one time secret word is sent to user's portable number by an instant message from a database. The client must tap on the sent things on the picture gave keeping in mind the end goal to be validated. It requires huge number of pictures keeping in mind the end goal to be secure and this will in reality back off the client verification process.

## 5. Conclusion

Creating an OTP in an any Social media Application have become common but Authenticating the Application with OTP when you login each time in any social media website.OTP code will receive when you login your account in any other device,it ask for mobile number and we have enter the valid number so that we will receive a

verification code. This is one way of securing the Social media Website from Unauthorised users.

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