

PROFORMA FOR PROGRESS REPORT

(To be filled by the Research Scholar)

Name of the research scholar: **NEHA JAIN** Name of supervisor: **DR KAPIL KHATTER**

Topic of research: **"AN ANALYTICAL STUDY ON STOCK MARKET RETURNS IN INDIA : MEASURING IMPACT OF CORPORATE EARNINGS AND FINANCIAL LEVERAGE"**

Faculty of **MANAGEMENT** Registration no. **JNU/RS/2016-17/MG-004**

Six monthly progress report of the research scholar for the period from **April 19** to **Oct 19** Resume of the work done [on a separate sheet]:

Neha Jain
(Signature of the research Scholar)

(To be filled by the supervisor)

(a) Progress report being forward by the supervisor: -First/second/third/fifth/sixth/seventh/eight

(b) In my opinion the candidate has/has not made progress in the following report on the basis of which I am/am not satisfied with the work done during the last during the last six months since the I/II/III/IV/V/VI/VII/VIII progress report was submitted on.....

(c) Whether the resume of work duly signed by you is attached by the candidate.....

(d) Whether progress report submitted in time and no progress report is due.....

(e) Other remarks, if any.....



Kapil Khatter
(Name & Signature of the supervisor)

Remark , if any of Joint supervisor

Not Applicable

JK
DEAN
RESEARCH
JAGANNATH UNIVERSITY, JAIPUR

Certified True Copy

(Name & Signature of the Joint supervisor, if any)

Date: *[Signature]*
Registrar
Jagan Nath University, Jaipur

Resume of the PhD work

Date:-

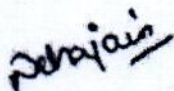
Chapter -5 work on review of data analysis and interpretation for stipulated companies of the study is still going on .

The study focuses on examining the corporate earnings and financial leverage for the decided companies for the period of 2010 to 2019 . An attempt is being made to find the impact of independent variables ~~and~~ on dependent variable i.e. stock market price and stock market return .

A research paper on " A comparative study of financial performance of SBI and HDFC Bank using financial ratios and Anova " has been published .

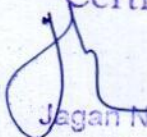


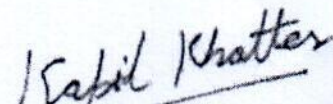

DEAN
RESEARCH
JAGANNATH UNIVERSITY, JAIPUR



(Signature of the research scholar)

Certified True Copy


Registrar
Jagan Nath University, Jaipur


(Signature of the supervisor)

(Name & Signature of the Joint supervisor, if any)



JAGANNATH UNIVERSITY



PROFORMA FOR PROGRESS REPORT

(To be filled by the Research Scholar)

Name of the research scholar: Ms. AAKANKSHA CHOPRA

Name of supervisor: Dr. VIVEK KUMAR SHARMA Name of co-supervisor: Dr. MEGHA GUPTA

Topic of research: Invader Identification and Delimitation Techniques in Communication Networks

Faculty of- JIMS, Sector-5, Rohini, New Delhi Registration no.- JNU/RS/2017-18/ET027.

Six monthly progress report of the research scholar for the period From July 2019 to Dec 2019
Resume of the work done [on a separate sheet]:

Chopra

(Signature of the research Scholar)

(To be filled by the supervisor)

(a) Progress report being forward by the supervisor:
First/second/third/fourth/fifth/sixth/seventh/eight

(b) In my opinion the candidate has/has not made progress in the following report on the basis of which I am/am not satisfied with the work done during the last during the last six months since the I/II/III/IV/V/VI/VII/VIII progress report was submitted on June 2019

(c) Whether the resume of work duly signed by you is attached by the candidate.....

(d) Whether progress report submitted in time and no progress report is due.....

(e) Other remarks, if any.....



[Signature]
Dr. Vivek Kumar Sharma
(Name & Signature of the supervisor)

Remarks of Joint supervisor

She has studied about Biometric systems and also published a paper regarding this in a Journal. Her research progress is at good pace.

[Signature]
DEAN
RESEARCH
JAGANNATH UNIVERSITY, JAIPUR

Megha
Dr. Megha Gupta

[Signature]
Certified True Copy (Name & Signature of the Joint supervisor)

Date: 30/12/2019

Registrar
Jagan Nath University, Jaipur

Resume of the PhD work

Date:- 30/12/2019

Objectives of Research-

1. The objective of this research is to Identify and Delimitate the entire communication system from various online attacks that intruders do.
2. To make the system strong for reducing the vulnerabilities of online attacks by proposing algorithm for detection of intruders.

Scope of Research-

1. Delimitation for system will be done by the following methods-
 - a) Proposing techniques for Understanding password entry system.
 - b) Introducing Text Alternatives like-(Finger Printing, Patterns, Face Recognition, QR codes.)
 - c) Introducing a new hybrid Graphical Password Technique for secured password
 - d) Upgrading the password policies – 8-char/ 12-char/ 16-char.
 - e) Password Authentication Key Exchange.

Summary of Work Done-

1. Biometric systems were being investigated.
2. It was found that major hindrance of mobiles devices is the design of its authentication techniques.
3. Hefty number of devices currently requires explicit identification for an individual user to use various services because of booming security concerns. Biometric Authentication techniques are accessed for user identification to solve this issue.
4. A biometric system is a step by step process of acquiring, extraction, pattern recognition, comparison, and authentication.
5. Depending on the application context, a biometric system operates either in Verification mode and Identification mode.
6. There are few characteristic features which are most required for users of biometric systems- Universal, Unique, Invariant, and Quantity.
7. Usage of biometrics specifically confirms and authorizes individual access into the system based on its unique integrity. It only covers factors of 'who user is' rather than 'what user contains' (PIN, Password, Card etc.)
8. Various errors in biometric systems were analyzed- False matching and false non- matching.
9. There are a number of privacy concerns about the use of biometrics like- Noise in sensed data, Intra-class variations, Distinctiveness, Non- universality, Spoof attacks that are supposed to be taken care of. Therefore, it is certain that biometric-based recognition will have a profound influence on the way we conduct our daily business.

Future Work-

1. In future will be working on best authentication technique for password generation.
2. In future, deep analyze of the graphical password methods and hybrid techniques will be performed.
3. Also, a new and secure technique will be proposed for *Smart Devices*.

Research paper Published-

- Paper Title- "Analysis of Biometric Systems in Mobile devices"
- Journal Details- International Journal of Latest Engineering and Management Research (IJLEMR)
- ISSN: 2455-4847
- Website link- www.ijlemr.com
- Volume- 04 , Issue- 06 Page- 132-137
- Date of publication- June 2019

Registrar
Jagan Nath University, Jaipur



DEAN
RESEARCH
JAGANNATH UNIVERSITY, JAIPUR

Research Paper Communicated-

- **Paper Title-** "A Bankable Pictorial Password Authentication Approach"
- **Conference Details-** International Conference on Innovative Computing and Communication (ICICC 2020), organized by Shaheed Sukhdev College of Business Studies, University of Delhi in association with University of Valladolid Spain and National Institute of Technology, Patna (NITP).
- **Conference Date-** 21st -23rd Feb 2020

Literature Review-

1. N. Duta, A survey of biometric technology based on hand shape, *Pattern Recognition*, Elsevier, 2009, *Pattern Recognition* 42 (2009) 2797 – 2806, available at: www.elsevier.com/locate/pr, doi:10.1016/j.patcog.2009.02.007, 2797- 2806.

Findings- The authors explained that some applications using biometric authentication only need verification mode to verify the user; also one can use behavioral traits which has less discriminating powers.

2. A. K. Jain, A. Ross and S. Prabhakar, "An Introduction to Biometric Recognition," *IEEE Transactions On Circuits And Systems For Video Technology*, Vol. 14, NO. 1, pp. 4-20, Jan 2004. Last Accessed on: Sept 4, 2018. [Online]. DOI: 10.1109/TCSVT.2003.818349

Findings- Gave introduction to biometric recognition system and described about various techniques. Also summarize some of its advantages, disadvantages, strengths, limitations, and related privacy concerns.

3. F. Li, N. Clarke, M. Papadaki and P. Dowland, Active authentication for mobile devices utilising behaviour profiling, *International Journal of Information Security*, Springer, June 2014, published online Sept 2013, ISSN 1615-5262. vol. 13, Number 3, *Int. J. Inf. Secur.* (2014) 13:229-244, doi: 10.1007/s10207-013-0209-6, 229-244.

Findings- Authors clearly claimed that the fundamental drawback of the PIN-based approach is that as a point-of-entry technique, it does not validate the user's unique identity on accessing it again; rather in biometric systems no matter how many number of times user try to enter into system it is always validated.

4. A. Babich, Biometric Authentication. Types of biometric identifiers, Hagga- Helia, Univeristy of Applied Sciences, Finland, 2012

Findings- it is said that behaviour characteristics are influenced by controlled actions and less controlled psychological factors. However, as behaviour characteristics can be changed in time, registered biometric sample should be renewing every time of use.

5. P. P. Kuriakose, Ambili K, Secured Android Application Using Biometric Authentication. International Journal of Innovative Research in Computer and Communication Engineering (An ISO 3297: 2007 Certified Organization), available at: www.ijirccce.com, Vol. 5, Issue 4, April 2017, ISSN(Online): 2320-9801 ISSN (Print): 2320-9798, 7716- 7719

Findings- authors published various key points about biometric systems like- Biometric systems cannot be lost or forgotten and online biometrics.



6. D. Impedovo and G. Pirlo, Automatic Signature Verification: The State of the Art, *IEEE TRANSACTIONS ON SYSTEMS, MAN, AND CYBERNETICS—PART C: APPLICATIONS AND REVIEWS*, VOL. 38, NO. 5, SEPTEMBER 2008 609, doi: 10.1109/TSMCC.2008.923866, 609-635.

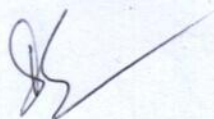
Findings- authors interpreted that even though users know that keeping same password is a risk still the users use same passwords for multiple accounts. Hence a single biometric authentication is better for such lazy users.

7. A. Morales, M. A. Ferrer, F. Díaz, J. B. Alonso, and C. M. Travieso, Contact-Free Hand Biometric System For Real Environments, *16th European Signal Processing Conference (EUSIPCO 2008)*, Lausanne, Switzerland, August 25-29, 2008.

Findings- author states that an intruder needs to breach only one password among all the employees to steal access to a company's Intranet and hence, a single weak password impacts negatively on overall company.

also:
ahops

Ms. Aakanksha Chopra
(Signature of the research scholar)



Dr. Vivek Kumar Sharma
(Name & Signature of the supervisor)

Megha

Dr. Megha Gupta
(Name & Signature of the Joint supervisor)

J
Certified True Copy
Registrar
Jagan Nath University, Jaipur



J
DEAN
RESEARCH
JAGANNATH UNIVERSITY, JAIPUR