**Extended Eye**

### BITS ZG628T: Dissertation

by

D BALA VENKATA MANIKANTA

2015HT13078

# Dissertation work carried out at

## Societe Generale Global Solution Centre Private Limited & Bangalore

****

**BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE**

**PILANI (RAJASTHAN)**

November 2017

**Extended Eye**

### BITS ZG628T: Dissertation

by

D BALA VENKATA MANIKANTA

2015HT13078

# Dissertation work carried out at

## Societe Generale Global Solution Centre Private Limited & Bangalore

Submitted in partial fulfillment of M.Tech. Software Systems degree programme

Under the Supervision of

Bharat Babaso Mane & Technical Manager

Societe Generale Global Solution Centre Private Limited & Bangalore

****

**BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE**

**PILANI (RAJASTHAN)**

November, 2017

#### CERTIFICATE

This is to certify that the Dissertation entitled Extended Eye and submitted by D Bala Venkata Manikanta having ID-No. 2015HT13078 for the partial fulfillment of the requirements of M.Tech. Software Systems degree of BITS, embodies the bonafide work done by him/her under my supervision.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of the Supervisor

Place : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name, Designation & Organization &Location

**Birla Institute of Technology & Science, Pilani**

**Work-Integrated Learning Programmes Division**

**First Semester 2017-2018**

**BITS ZG628T: Dissertation**

**ABSTRACT**

**BITS ID No. : 2015HT13078**

**NAME OF THE STUDENT : D BALA VENKATA MANIKANTA**

**EMAIL ADDRESS : manikanta.donthu@gmail.com**

**STUDENT’S EMPLOYING : Societe Generale Global Solution Centre**

**ORGANIZATION & LOCATION Private Limited & Bangalore**

**SUPERVISOR’S NAME : Bharat Babaso Mane**

**SUPERVISOR’S EMPLOYING : Societe Generale Global Solution Centre**

**ORGANIZATION & LOCATION Private Limited & Bangalore**

**SUPERVISOR’S EMAIL ADDRESS: bharat.mane@gmail.com**

**DISSERTATION TITLE : Extended Eye**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**ABSTRACT** :

Extended Eye mainly to track the shipping dealers and companies to detect

fruad and risk management. Activities which are going to illegal like some delears

are black listed and some sanctions on countries etc.

To detect the shipping companies fraud we have to search different websites.

Extended Eye will simplify the searching data in different websites using natural

language techiniques

The document which given by customer will consists the dealer names, shipping

corporation names, type of ships, ship id, vessel id, shipping route etc. Using this

keywords we can search the different websites and come up with small user interface

page where we can display fraud related data.

Broad Academic Area of Work: **Artificial Intelligence**

**Key words** **: Java, PDF Reader, NLP technique Parts of Speech, HTML**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Signature of the Supervisor**

**Signature of the Student**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: Date:**

**Place: Place:**

**Acknowledgements**

I would like to express my sincere gratitude towards my mentor **Bharat Babaso Mane** for examining my progress in splite of his busy schedule.

I would like to thank **Posham Sathyanarayana** for his guidance, efforts and patience. His valuable comments have been immensely helpful in enhancing the quality of work.

I would like to thank my **Colleagues** for their support and co-operation during the course of my project.

I am also thankful to **Societe Generale Global Solutions Center** for giving me this opportunity and also making available all the resources required for this dissertation.

I am also thankful to **BITS**, Pilani and the Training department for all their efforts in organizing this course.

Finally, I take this opportunity to extend my earnest gratitude and respect to Teaching &Non-teaching staffs of the department, the library staff and all my friends, who have directly or indirectly supported me during the period of my project work.

**Table of Contents**

**Intruduction**

**Background**

**Problem**

**Project Goal**

**Design Phase**

**Operation OverView**

**Workflow diagram**

**Requirement Analysys**

**Funcational Analysys**

**Non Functional Analysis**

**Low Level Desgign**

**Project Structure**

**Data desing**

**System requirements**

**Hardware requirements**

**Software Requiremnt**

**Implementation**

**Platform used**

**Language selectin**

**Java**

**NLP parts of speech**

**html**

**Testing**

**System testing**

**Unit testing**

**Accept testing**

1. **RESULTS AND ANALYSYS**

**Input Data**

**Result After convert PDF to text**

**Result for NLP Technique Parts of Speech**

**Final Result in UI**

**List of Figures**

**Fig 1 Process workflow diagram overview**

**Fig 1 Use Case of diagram of converting PDF to Text**

**Fig 1 Use Case of diagram searching black list data**

**Fig 1 Use Case of diagram to show result**

**Fig 1 Interaction diagram**

**Fig 1 Activity diagram**

**Fig 1 Package structure diagram**

**Fig 1 Final result user interface**

**List of Tables**

**Table1 worldwide fraud market data**

**Table 2 parts of speech nouns verbs table**

**Table 3 unit test case of convert of pdf to text**

**Table 4 unit test of finding nouns**

**Table 5 unit test of result of ship**

**CHAPTER 1**

**INTRODUCTION**

1. **INTRODUCTION TO WEB MINING**

**SUMMARY**

**CONCLUSION**

**BIBLIOGRAPHY / REFERENCES**

**1.BOOK**

Chris Griffith. Hybrid Mobile App Development with Ionic. California:

O’Reilly Media, 2015

Neil Smyth. Android Studio Development Essentials - Android 7 Edition:

Learn to Develop Android 7 Apps With Android