PROJECT TITLE

Submitted in partial fulfillment of the requirements

of the degree of

Bachelor of Engineering

by

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Roll No. 05

Supervisor:

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Department of Information Technology

Don Bosco Institute of Technology

2015-2016

AFFILIATED TO

UNIVERSITY OF MUMBAI

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CERTIFICATE

This is to certify that the project entitled **"NAME OF PROJECT"** is a bonafide work of

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Project Report Approval for B.E.

This project report entitled **"NAME OF PROJECT"** by **Author Name** is approved for the degree of **Bachelor of Engineering in Information Technology**

(Examiner's Name and Signature)

1. ————————————————

2. ————————————————

(Supervisor's Name and Signature)

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(Chairman)

1. ————————————————

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Place:

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Declaration

I declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, I have adequately cited and referenced the original sources. I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea / data / fact / source in my submission. I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

(————————-)
(Signature)

Deven Bhalerao

Date:

ABSTRACT

Your abstract, paragraph 1.

Your abstract, paragraph 2.
Keywords: keyword1, keyword2

Contents

List of Figures

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Chapter 1

Introduction

1.1   Problem Statement

Define the Aim of your Project. (i.e. What you intended to see as final product)

1.2   Scope of the Project

Define any assumptions you have made during

- Requirements Gathering Phase

- Requirements Analysis Phase

- System Design phase

1.3   Current Scenario

1.4   Need for the Proposed System

1.5   Summary of the Results / Task completed

Chapter 2

Review of Literature

2.1   Summary of the investigation in the published papers

- **Computer Algorithms for Plagiarism Detection**

  Described the various levels of plagiarism and the different metrics(approaches) like Halstead metric, ACCUSE metric, FORTRAN programs, etc. This paper also compared different algorithms based on the software metrics used. The different levels of plagiarism defined in this paper will form the foundation of our project and we'll be looking to detect plagiarism based on these levels.

- **A Comparison of Similarity Techniques for Detecting Source Code Plagiarism**

  This paper outlines different modern approaches to software similarity measurement. Algorithms like Levenshtein edit distance, Tree edit distance and graph edit distance were discussed. Knowledge of different approaches was gained and this will help us choose our approach.

- **An Approach to Source-Code Plagiarism Detection and Investigation Using Latent Semantic Analysis**

  Latent Semantic Analysis, a statistical approach to detecting similarity is analysed in-depth in this paper. This paper also has an exhaustive description of what constitutes Plagiarism which includes surveys and research papers. Deeper understanding of Plagiarism was made possible by this research paper.

- **Plagiarism Detection in Java Code**

  This thesis gives a step-by-step procedure on how to detect plagiarism in java source code using the Levenshtein Edit distance algorithm. It uses

different normalization techniques and demonstrates these techniques using examples. Normalization techniques shown inn this thesis will be used in our project.

- **Source Code Plagiarism Detection 'SCPDet': A Review**

  In this paper author describes the real meaning of source code plagiarism and then described the different source code plagiarism detection tools and compared its function, characteristics and technique. In the last phase, authors discussed the different research papers and compared in tabular form with its technique, method, characteristics, functionality and its result.

2.2 Comparison between the tools / methods / algorithms

Table 2.1: Compression of four source code detection tools with its characteristics, function and technique

Tools	JPlag	SIM	MOSS	Plaggie
Open Source Tools/Paid	NO	YES	NO	YES
Local/online tool	Web	Local	Web	Local
Code Submit/File	Submit Code	Submit File	Submit Code	Submit Code
Lang. Support	6	5	23	1
Expandability	No	Yes	No	No
Founded in Year	1996	1989	1994	2002
Founded By	Guido Malpohl	Dick Grune	Aiken	Ahtiaine
Technique	Greedy String Tiling and Optimization and Tokenization	Flax lexical analyzer	Winnowing technique	Greedy String Tiling and Tokenization

2.3 Algorithm(s) with example

Give the pseudo code / algorithm along with explanation. Analysis of algorithm on the basis of parameters like time complexity , space complexity, etc are expected.

Chapter 3

Analysis and Design

3.1 Methodology / Procedure adopted

Describe on the development methodology / model you would use. (E.g. Agile method or Iterative Model)
How you intend manage the weekly meetings ?
How do you intend to monitor and measure the progress of the project?

3.2 Analysis

Based on the requirements gathered, how was the feasibility study of the project carried out?
If any requirements, were modified why they were modified?

3.2.1 Software / System Requirement Specification - IEEE format

3.3 Proposed System

Give the details of your proposed system and architecture Advantage of the proposed system over the existing system

3.3.1 Hardware / Software requirements

Development Hardware / Software requirements
Deployment Hardware / Software requirements

3.3.2 Design Details

Different UML diagrams as per the project requirement (For e.g. Use Case Diagram)

3.3.3 Implementation Plan

Timeline chart is for Next semester

Chapter 4

Results and Discussion

This chapter would contain the summary of proposed system / algorithm

Also this would contain the task completed and the contribution of team members.

Chapter 5

Conclusion

Summary of the entire report

Appendix - I

Data Sheet(s) - Electronic component

Installation Procedure - Development Software

References

[1] Zhi Zhou, Member, IEEE, Gonzalo R. Arce, Fellow, IEEE, and Giovanni Di Crescenzo; *Halftone Visual Cryptography*; IEEE TRANSACTIONS ON IMAGE PROCESSING, VOL. 15, NO. 8, AUGUST 2006

[2] HTML 5 `http://en.wikipedia.org/wiki/HTML5` , last modified on 6 October 2014

Acknowledgements

Parargraph 1 of you acknowledgement

Parargraph 2 of you acknowledgement

(————————-)
(Signature)

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Date: