

BSIT-S19-002 03-135161-033 MUHAMMAD WAQAS IQBAL

Implementation of SNA Techniques Using Medium Sized OSN Database.

502

In partial fulfilment of the requirements for the degree of

Bachelor of Science in Information Technology

Supervisor: Taimoor Aamer

Department of Computer Sciences Bahria University, Lahore Campus

January 2020

Certificate



We accept the work contained in the report titled

"IMPLEMENTATION OF SNA TECHNIQUES USING MEDIUM SIZED OSN DATABASE"

written by

MUHAMMAD WAQAS IQBAL

as a confirmation to the required standard for the partial fulfilment of the degree of Bachelor of Science in Information Technology.

Approved by:

Supervisor:

Taimoor Aamer

January, 27, 2020

DECLARATION

I hereby declare that this project report is based on my original work except for citations and quotations which have been duly acknowledged. I also declare that it has not been previously and concurrently submitted for any other degree or award at Bahria University or other institutions.

Enrolment	Name	Signature
03-135161-033	MUHAMMAD WAQAS IQBAL	Call

Date : January 27, 2020

IMPLEMENTATION OF SNA TECHNIQUES USING MEDIUM SIZED OSN DATASET

ABSTRACT

The proposed project would be under taking medium size social network dataset and will employee different social networking techniques on the basis of literature review with the specific focus on density, clique, flow and centrality. This project will contribute in a way that provides an implementation of SNA techniques using online social network of four specific network parameters by implying social network techniques. Performing in a way that simulation will be able to upload data, performing analysis, generating graph reports, and view reports. These are the major and functional requirements to generate proposed project and analysis work. information control in term of exposer. Working on why because this study would be contributing in the field of systematic literature review of social networking and analysis techniques. and will find present processing time, techniques analysis of any network. Project is held to compare different tool relating to techniques as well. Study concludes with the analysis of the result and recommends future gaps to be studied as wall

TABLE OF CONTETS

DECL	ARATIO	N	iii
ACKN	OWLED	GEMENTS	V
ABSTI	RACT		vi
TABLI	E OF CO	NTETS	vii
LIST (F FIGU	RES	ix
LIST (F SYME	BOLS / ABBREVIATIONS	X
LIST ()F APPE	NDICES	xi
CHAP'	TERS		1
1	INTRO	ODUCTION	1
	1.1	Background	1
	1.2	Problem Statements	2
	1.3	Aims and Objectives	3
	1.4	Scope of Project	3
CHAPTER 2			4
2	LITE	RATURE REVIEW	4
	2.1	Social network Analysis	4
	2.2	Semantic Network Approach	5
	2.3	Database Implementation.	5
	2.4	Comparison.	6
CHAP	TER 3		8
3	DESIG	GN AND METHODOLOGY	8
	3.1	Proposed Approach	8
	3.2	Flow	8
	3.3	Centrality	9
	3.4	Clique	g
	3.5	Density	g
	3.6	Methodology	10
CHAI	PTER 4		11

	٠	٠	٠
1/	1	1	1
v	1	1	1

4	COM	PUTER PROGRAMME LISTING	11
	4.1	Main Files	11
	4.2	Osndriver:	11
	4.3	LoginWindow():	11
	4.4	RegisterWindow():	12
	4.5	HomeWindow():	12
	4.6	GraphWindow():	12
	4.7	UploadDatasetThread():	13
	4.8	DeleteDatasetThread():	13
	4.9	Generategraph:	13
	4.10	Databasehandler:	13
	4.11	Code for requirements:	14
CHAF	TER 5		19
5	RESU	ULTS AND GRAPHS	19
	Resul	tant Working Environment.	19
	5.1	NodeXL Table	27
	5.2	NodeXL Findings	27
	5.3	PyCharm GUI Findings	27
	5.4	NodeXl Graph	28
	REFI	ERENCES	29
	APPI	ENDICES	31

LIST OF FIGURES

GE
2
7
0
9
0.20
21
22
23
23
24
25
26
27

LIST OF SYMBOLS / ABBREVIATIONS

SNA Social Network Analysis

OSN Online Social Network

OS Operating System