

Department of Electronics and Telecommunication Engineering Pune Institute of Computer Technology, Pune – 43

CERTIFICATE

This is to certify that the Project Report entitled

WHATSAPP CHAT ANALYZER WITH SENTIMENT ANALYSIS

has been successfully completed by

SAGAR THALKIYA (B400050280) HITESH SONAWANE (B400050267) SNEHAL INGALE (B400050096)

Is a bona fide work carried out by them under the guidance of DR R.G. YELALWAR and it is approved for the partial fulfillment of the requirement of the Savitribai Phule Pune University, Pune for the award of the degree of the Bachelor of Engineering (Electronics and Telecommunication Engineering). This project work has not been previously submitted to any other Institute or University for awarding any degree or diploma.

Dr R.G.Yelalwar Dr.M.V.Munot Prof. Dr. S.T. Gandhe

Guide HOD, E&TCE Dept. Principal, PICT

Place: Pune

Date:

ACKNOWLEDGEMENTS

We would like to extend our heartfelt gratitude to HOED Dr. M. V. Munot, Head of the Department of Electronics and Telecommunication, for her unwavering support, guidance, and insightful suggestions throughout our project. We are also deeply thankful to Dr R.G.Yelalwar for his continuous encouragement and mentorship, which played a crucial role in our project's success. His expertise has been invaluable to our work. Our appreciation goes to Dr. R. C. Jaiswal, for their assistance and valuable insights that significantly contributed to our work. Furthermore, we acknowledge the contributions of various authors and sources whose research provided a strong foundation for our study. Thank you all for your support and encouragement.

Thanking You,

Sagar Thalkiya (B400050280) Hitesh Sonawane (B400050267) Snehal Ingale (B400050096)

CONTENTS

	Abstract		i
	List of Acronyms		ii
	List of Symbols		iii
	List of Figures		iv
	List of Tables		V
1	Introd	luction	1-10
	1.1	Background	1
	1.2	Relevance	1
	1.3	Literature Survey	1
	1.4	Motivation	2
	1.5	Aim of the Project	2
	1.6	Scope and Objectives	2
	1.7	Technical Approach	3
2	Literature Survey-2		
	2.1	Introduction	6
	2.2	Literature Review and Related work	8
	2.3	Figures	10
	2.4	Equations	11
	2.5	Tables	12
3	Methodology		13
4	Algorithms used in research		16
5	Results and Discussion		19
	Kesui	ts and Discussion	1
6	-+	lusions	29
6 7	Concl		
	Concl	lusions e Scope	29
	Concl Future	lusions e Scope ences	29 30
	Concl Future Refere	lusions e Scope ences	29 30 31