

A MINI PROJECT REPORT  
ON  
“Merge Sort & Multithreaded Sort Complexity”

Submitted by  
*Nitin Pawar*

UNDER THE GUIDANCE OF  
Dr. Anita Mahajan

towards the partial fulfillment of Fourth Year Under  
Graduate Course in Computer Engineering of  
SAVITRIBAI PHULE PUNE UNIVERSITY  
in the academic year 2024-2025.



DEPARTMENT OF COMPUTER ENGINEERING

**Dr. D. Y. Patil School of Engineering**  
Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune - 412 105

Affiliated to  
SAVITRIBAI PHULE PUNE UNIVERSITY (2024-2025)



DEPARTMENT OF COMPUTER ENGINEERING

**Dr. D. Y. Patil School of Engineering**

Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohgaon, Pune - 412 105

# CERTIFICATE

This is to certify that Mini-project Report On

**“Merge Sort & Multithreaded Sort Complexity”**

*Submitted by*

Exam seat no: 72213837H

Name: Nitin Pawar

Towards the partial fulfillment of Fourth Year Under Graduate Course in  
Computer Engineering Of SAVITRIBAI PHULE PUNE UNIVERSITY In the  
academic year 2024-25

Dr. Anita Mahajan

Dr. Pankaj Agarkar

**Project Guide**

**Hod**

## ACKNOWLEDGEMENT

It gives me a great pleasure and immense satisfaction to present this special topic of project report on “Merge Sort & Multithreaded Sort Complexity” which is the result of unwavering support, expert guidance and focused direction of guide Prof. Ujvala Patil to whom I express my deep sense of gratitude and humble thanks, for his valuable guidance throughout the presentation work.

Furthermore, I am indebted to **Dr. Pankaj Agarkar**, HOD Computer Engineering and **Dr. F. B. Sayyad**, Principal whose constant encouragement and motivation inspired me to do my best.

Last but not the least I sincerely thank to my colleagues, the staff and all others who directly or indirectly helped us and made numerous suggestions which have surely improved the quality of my work.

Nitin Pawar  
(B.E. Computer Engineering)