A

Project Report

on

“Ultimate Ai Companion for Smarter Home”

Submitted by

Jayesh Nanekar (Exam Seat No. B23303236)

Aniket Pawar (Exam Seat No. B23303173)

Krishna Kulthe (Exam Seat No B23303217)

Sagar Sutarpanchal (Exam Seat No. B23303270)

Under the guidance of

Prof. Malayaj Kumar

In partial fulfillment of the requirements for the degree of Bachelor of Technology in Computer Science and Engineering of D. Y. Patil University.

DEPARTMENT OF Computer Science and Engineering

Academic Year 2023-2024

DEPARTMENT OF Computer Science and Engineering

Academic Year 2023-2024

CERTIFICATE

This is to certify that the project entitled ***"Ultimate Ai Companion for Smarter Home "*** *is a record of bonafide work carried out by* ***Jayesh Nanekar*** *under my supervision and guidance, in partial fulfillment of the requirements for the award of Degree of Bachelor of Technology in* **Computer Science and Engineering** *.from D. Y. Patil University for the year 2023-24.*

Prof. Name of Guide
(Prof. Malayaj Kumar)

Prof. Name of Coordinator
(Prof. Malayaj Kumar)

Prof. MALAYAJ KUMAR
(H.O.D)

(External Examiner)

Prof. Dr. Pranav Charkha
(Dean SOET)

DEPARTMENT OF Computer Science and Engineering

Academic Year 2023-2024

CERTIFICATE

This is to certify that the project entitled ***"Ultimate Ai Companion for Smarter Home "*** *is a record of bonafide work carried out by* ***Aniket Pawar*** *under my supervision and guidance, in partial fulfillment of the requirements for the award of Degree of Bachelor of Technology in* **Computer Science and Engineering** *.from D. Y. Patil University for the year 2023-24.*

Prof. Name of Guide
(Prof. Malayaj Kumar)

Prof. Name of Coordinator
(Prof. Malayaj Kumar)

Prof. MALAYAJ KUMAR
(H.O.D)

(External Examiner)

Prof. Dr. Pranav Charkha
(Dean SOET)

DEPARTMENT OF Computer Science and Engineering

Academic Year 2023-2024

CERTIFICATE

This is to certify that the project entitled ***"Ultimate Ai Companion for Smarter Home "*** *is a record of bonafide work carried out by* ***Krishna Kulthe*** *under my supervision and guidance, in partial fulfillment of the requirements for the award of Degree of Bachelor of Technology in* **Computer Science and Engineering** *.from D. Y. Patil University for the year 2023-24.*

Prof. Name of Guide
(Prof. Malayaj Kumar)

Prof. Name of Coordinator
(Prof. Malayaj Kumar)

Prof. MALAYAJ KUMAR
(H.O.D)

(External Examiner)

Prof. Dr. Pranav Charkha
(Dean SOET)

DEPARTMENT OF Computer Science and Engineering

Academic Year 2023-2024

CERTIFICATE

This is to certify that the project entitled ***"Ultimate Ai Companion for Smarter Home "*** *is a record of bonafide work carried out by* ***Sagar Sutarpanchal*** *under my supervision and guidance, in partial fulfillment of the requirements for the award of Degree of Bachelor of Technology in* **Computer Science and Engineering** *,from D. Y. Patil University for the year 2023-24.*

Prof. Name of Guide
(Prof. Malayaj Kumar)

Prof. Name of Coordinator
(Prof. Malayaj Kumar)

Prof. MALAYAJ KUMAR
(H.O.D)

(External Examiner)

Prof. Dr. Pranav Charkha
(Dean SOET)

ACKNOWLEDGEMENT

I WOULD LIKE TO EXPRESS MY HEARTFELT GRATITUDE TO ALL THOSE WHO HAVE CONTRIBUTED TO THE REALIZATION OF THIS DOCUMENT ON ULTIMATE AI COMPANION FOR SMARTTER HOMES.

FIRST AND FOREMOST, I EXTEND MY SINCERE APPRECIATION TO THE RESEARCHERS, SCHOLARS, AND PROFESSIONALS IN THE FIELD OF ARTIFICIAL INTELLIGENCE AND AUTOMATION, WHOSE PIONEERING WORK AND INSIGHTS HAVE BEEN INSTRUMENTAL IN SHAPING THE CONTENT OF THIS DOCUMENT.

I AM DEEPLY THANKFUL TO MY MENTORS AND ADVISORS FOR THEIR INVALUABLE GUIDANCE, ENCOURAGEMENT, AND UNWAVERING SUPPORT THROUGHOUT THIS ENDEAVOR. THEIR EXPERTISE AND WISDOM HAVE BEEN A CONSTANT SOURCE OF INSPIRATION AND MOTIVATION.

I WOULD ALSO LIKE TO ACKNOWLEDGE THE CONTRIBUTIONS OF MY COLLEAGUES AND PEERS, WHOSE FEEDBACK, DISCUSSIONS, AND COLLABORATIVE EFFORTS HAVE ENRICHED THE CONTENT AND ENHANCED THE OVERALL QUALITY OF THIS DOCUMENT.

FURTHERMORE, I EXTEND MY GRATITUDE TO THE INSTITUTIONS, ORGANIZATIONS, AND INDIVIDUALS WHO HAVE GENEROUSLY PROVIDED RESOURCES, DATA, AND INFORMATION, ENABLING A COMPREHENSIVE EXPLORATION OF THE TOPIC.

LAST BUT NOT LEAST, I AM PROFOUNDLY GRATEFUL TO MY FAMILY AND FRIENDS FOR THEIR PATIENCE, UNDERSTANDING, AND ENCOURAGEMENT DURING THE COURSE OF THIS PROJECT. THEIR UNWAVERING SUPPORT AND BELIEF IN MY ENDEAVORS HAVE BEEN THE DRIVING FORCE BEHIND THIS ACCOMPLISHMENT.

IN CONCLUSION, I WOULD LIKE TO THANK EVERYONE WHO HAS BEEN A PART OF THIS JOURNEY, DIRECTLY OR INDIRECTLY. YOUR CONTRIBUTIONS, INSIGHTS, AND SUPPORT HAVE BEEN INVALUABLE, AND I AM TRULY HONORED AND GRATEFUL TO HAVE HAD THE OPPORTUNITY TO COLLABORATE AND LEARN FROM EACH ONE OF YOU

INDEX