GradeX-AI-Powered Automated Exam Grading System for Accurate,Efficient,and Scalable Answer Evalution

A PROJECT REPORT
Submitted By

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In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING
In

COMPUTER SCIENCE AND ENGINEERING

KINGS COLLEGE OF ENGINEERING, PUNALKULAM

ANNA UNIVERSITY: CHENNAI-600 025

MAY 2025

BONAFIDE CERTIFICATE

Certified that this Project report "**GradeX-AI-Powered Automated Exam Grading System for Accurate,Efficient,and Scalable Answer Evalution**" is the bonafide work of who "**KUMARESAN K P(821121104027),MOHAMED ASICK A (821121104032), LINGESH R S (821121104703)**" carried out the project under my supervision during the year 2024-2025.

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Submitted for the Anna University: Chennai, Practical Examination Held on _____2024

INTERNAL EXAMINER **EXTERNAL EXAMINER**

ACKNOWLEDGEMENT

We give all glory and honor to the almighty for his blessings and divine help which helped us to complete the project work successfully.

The project work has been undertaken and completed with direct and indirect help of many people and we would like to acknowledge the same.

We express our deepest gratitude to our secretary **Dr.R.Rajendran M.A., M.Phil., Ph.D.,** for his moral support.

A special note of thanks to **Shri. T. R. S. Muthukumar, M.B.A., CEO, Kings College of Engineering, Punalkulam** for his valuable support.

Our grateful thanks to our Principal **Dr. J.Aruputha Vijaya Selvi, M.E., Ph.D**., and our **Vice Principal Dr. S. Sivakumar, M.Tech., Ph.D**., **Kings College of Engineering, Punalkulam**, for permitting to do to project work successfully. We express our warm thanks **to Dr. S.M. Uma, Head of the Department, Computer Science and Engineering**, for allowing us to do our project. With immense pleasure, we extend our sincere and heartfelt thanks to our internal project Guide Mr. **M.ARUN, M.E & project coordinator Dr. S.M. Uma, Head of the Department, Computer Science and Engineering** We also extend our sincere thanks to all our staff members and technical assistants of CSE department.

Our deepest thanks to our parents for uploading us by providing professional education and for their prayerful support that made us to complete the project phase successfully.

DECLARATION

We hereby declare that the word entitled "**GradeX-AI-Powered Automated Exam Grading System for Accurate,Efficient,and Scalable Answer Evalution**" is submitted in partial fulfillment of the requirement for the award of the degree in B.E., Anna University, Chennai, is a record of our work carried out by as during the academic year 2024 – 2025 under the **supervision** of **Dr. S.M. Uma., Head of the Department, Computer Science and Engineering**. The extent and source of information are derived from the existing literature and have been indicated through the dissertation at the appropriate places. The matter embodied in this work is original and has not been submitted for the award of any other degree or diploma, either in this or any other university.

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ABSTRACT

The education system has undergone a significant transformation with the integration of technology. Teaching methods have become more engaging and informative through the use of projectors, online tutorials, instructional videos, and animations. However, despite these advancements, the evaluation process remains largely traditional—relying on manual correction by teachers. This manual approach is time-consuming and prone to human error. The proposed project aims to address these challenges by introducing an AI-powered solution that automates the evaluation of answer sheets. By leveraging machine learning and language models, this system reduces the effort and inaccuracies associated with manual grading. Compared to offline methods, online evaluation offers greater speed, efficiency, and reliability, making it a more effective alternative for modern educational needs.