



BOMBAY HOSPITAL & MEDICAL RESEARCH CENTRE

12, New Marine Lines Mumbai - 400 020

Date: 24/01/2023

To

Dr. Himanshu Amritlal Patel, Dr. Amol Kasture, Ravi Khatri, Dr. Ankita Aggarwal
Assistant Professor,
School of Engineering
Ajeenkya DY Patil University, D Y Patil Knowledge City,
Charholi Bk. Via Lohegaon, Pune – 412105

Subject- Approval of Research Grant for the Project Titled "Machine Learning for Healthcare Diagnostics"

Dear Dr. Himanshu Amritlal Patel.

We are pleased to inform you that after a comprehensive evaluation of your research proposal, the Research Grant Committee has approved your application for a grant amounting to ₹25,00,000 (Twenty-Five Lakh Rupees) for the project titled “Machine Learning for Healthcare Diagnostics.” This research will be funded for one year in accordance with the guidelines and provisions outlined below.

Background of the Grant

Our institution recognizes the importance of cutting-edge research in advancing both academic understanding and real-world applications in healthcare. This research funding initiative was established to encourage innovative projects addressing critical needs within various fields of medical science, technology, and health services. After rigorous evaluation and careful consideration of the scientific, social, and economic impact, we found that your project aligns perfectly with the goals of this initiative.

The "Machine Learning for Healthcare Diagnostics" project demonstrates substantial potential in revolutionizing healthcare diagnostics by integrating machine learning techniques. We are

confident that the success of your research will contribute significantly to advancements in healthcare, offering improved diagnostic tools that could positively impact patient care and clinical outcomes, particularly in resource-constrained environments.

Significance of the Project

Your proposal highlights the potential of machine learning to optimize diagnostic accuracy in various medical conditions, including heart disease, diabetes, and cancer. The integration of machine learning in diagnostics not only has the potential to improve early detection but also to make healthcare more efficient and accessible.

This project has significant ramifications, particularly for:

- **Rural and Remote Areas:** With limited access to specialized healthcare, your project's outcomes could provide diagnostic tools that require minimal infrastructure and are easily deployable in rural settings.
- **Telemedicine:** The machine learning models you propose can enhance remote healthcare solutions, enabling real-time diagnostics through telemedicine platforms, ultimately improving patient outcomes.
- **Cost-Effectiveness:** Your research offers a cost-effective alternative to traditional diagnostic methods, which can help lower the financial barriers faced by small healthcare facilities.

Expectations and Responsibilities

As the Principal Investigator (PI), you are expected to manage the project, ensuring that all research objectives and deliverables are met within the one-year time frame. The institution has full confidence in your ability to lead this project successfully. However, we would like to reiterate the following expectations:

- **Adherence to Ethical Standards:** All research activities should strictly adhere to institutional guidelines on ethics, safety, and data protection. The use of patient data must comply with the highest ethical standards, including the approval of your institutional ethics committee.
- **Collaboration and Dissemination:** We encourage collaboration with other researchers, clinicians, and organizations to enhance the impact of your findings. Furthermore, we expect the outcomes of your research to be disseminated through reputable academic journals and conferences. Acknowledgment of the grant in all publications and presentations is required.
- **Budgetary Compliance:** You are requested to ensure that the budget is strictly adhered to, and any deviations are promptly communicated and approved by the Research Grant Committee.

Support and Oversight

To facilitate the smooth execution of your project, you will receive administrative support from the Research Grants Office. The finance department will work with your team to ensure the timely release of funds and adherence to financial protocols. Additionally, the committee will assign a grant coordinator who will serve as a point of contact for any issues or inquiries during the duration of the project.

Furthermore, the committee will conduct periodic reviews to assess the progress of the research, in addition to reviewing the submitted reports. We aim to provide constructive feedback to assist you in overcoming any challenges or obstacles that may arise during the course of your research.

We are confident that this research grant will enable you and your team to make significant contributions to healthcare diagnostics, with the potential to impact both academic research and clinical practice. We wish you success in this endeavor and look forward to the impactful results of your project.

Once again, congratulations on receiving this prestigious grant. We look forward to the successful execution of your research and the promising outcomes that it will deliver.

Regards.


(DR. RAJESH CHOUMAL)
DIRECTOR ADMINISTRATION

BOMBAY HOSPITAL TRUST

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