A Minor Project Report

On

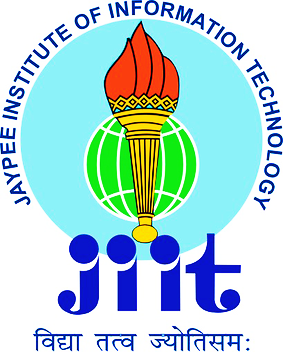
**HOSPITAL MANAGEMENT SYSTEM Using Facial Recognition**

SUBMITTED IN PARTIAL FULFILLMENT FOR THE AWARD OF DEGREE OF

**Bachelor of Technology**

**IN**

**Electronics and Communication Engineering**



**Submitted by:** **Under the Guidance of**

**MANASI THAKUR(9920102025) DR. ABHISHEK KASHYAP**

**AJITESH MISHRA (9920102033)**

**YASH GUPTA (9920102044)**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA (U.P.)**

**MAY,2023**

# CERTIFICATE

This is to certify that the minor project report entitled, “**Hospital Management Using Face Recognition and Image Segmentation**” submitted by **Manasi Thakur, Ajitesh Mishra, Yash Gupta** in partial fulfilment of the requirements for the award of Bachelor of Technology Degree in **Electronics and Communication Engineering** of the Jaypee Institute of Information Technology, Noida is an authentic work carried out by them under my supervision and guidance. The matter embodied in this report is original and has not been submitted for the award of any other degree.

**Signature of Supervisor:**

**Name of the Supervisor: DR. ABHISHEK KASHYAP**

**ECE Department,**

**JIIT, Sec-128,**

**Noida-201304**

**Dated:** **05-05-2023**

# DECLARATION

We hereby declare that the project **Hospital Management Using Face Recognition and Image Segmentation** of Minor Project-2, ODD 2023 is not repeated/copied from the previous submitted project works and have not misrepresented or fabricated or falsified any idea/data/fact/source in our submission.

Place: JAYPEE INSTITUTE OF INFORMATION AND TECHNOLOGY

Date:05-05-2023

Name: Manasi Thakur

Enrollment:9920102025

Name: Ajitesh Mishra

Enrollment:9920102033

Name: Yash Gupta

Enrollment:9920102044

# ABSTRACT

Hospital management is a critical process that involves various administrative and clinical tasks to ensure the effective operation of healthcare facilities. With the increasing demand for innovative solutions to improve patient care and safety, facial recognition technology is being increasingly used in hospital management. This paper provides an abstract overview of the use of facial recognition technology in hospital management, including its benefits, challenges, and potential applications.

Facial recognition technology has several potential benefits in hospital management, including enhancing patient safety by reducing the risk of identity fraud and preventing unauthorized access to patient information. It can also improve efficiency by automating tasks such as patient check-in and monitoring, reducing wait times, and freeing up staff time for more critical tasks.

However, the use of facial recognition technology in hospital management also poses several challenges, including privacy concerns and the potential for bias or errors. It is essential to implement appropriate security measures, such as encryption and access controls, to protect patient data and ensure compliance with regulatory requirements.

Despite these challenges, there are several potential applications of facial recognition technology in hospital management. These include patient identification and authentication, monitoring patient health and safety, and improving the overall patient experience. For example, facial recognition technology can be used to identify patients who have difficulty communicating due to language barriers or cognitive impairments, allowing hospital staff to provide appropriate care.

In conclusion, the use of facial recognition technology in hospital management has the potential to improve patient safety, enhance efficiency, and provide a better overall patient experience. However, it is essential to address privacy concerns and implement appropriate security measures to ensure that patient data is protected and regulatory requirements are met. With careful planning and implementation, facial recognition technology can be a valuable tool for hospitals and other healthcare facilities.

.

Hospital Management System is

custom built to meet the speciﬁc requirement of the mid and large size hospitals across the

globe

Hospital Management System is

custom built to meet the speciﬁc requirement of the mid and large size hospitals across the

globe

Hospital Management System is

custom built to meet the speciﬁc requirement of the mid and large size hospitals across the

globe

Hospital Management System is

custom built to meet the speciﬁc requirement of the mid and large size hospitals across the

globe

Hospital Management System is

custom built to meet the speciﬁc requirement of the mid and large size hospitals across the

glob

# ACKNOWLEDGEMENT

It gives us a great sense of pleasure to present the report of the Minor Project-2 undertaken during the pre-final year Bachelor of Technology. This is to express our sincere gratitude to Dr. Abhishek Kashyap, Project Guide for his generous guidance and kind assistance during the development of our project. We would also like to extend our gratitude to our classmates and our friends for the constructive suggestions to improve the quality of this project work.

Name: Manasi Thakur

Enrollment:9920102025

Name: Ajitesh Mishra

Enrollment:9920102033

Name: Yash Gupta

Enrollment:9920102044