

PATIENT CASE SIMILARITY

A PROJECT REPORT

Submitted by,

Mr. Pranav Ganesh- 20211CAI0062

Ms. Prerna Kakade – 20211CAI0063

Ms. Bhuvana V – 20211CAI0069

Ms. Nida Aiyman – 20211CAI0085

Under the guidance of,

Dr. Mohammadi Akheela Khanum

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

IN

**COMPUTER SCIENCE AND ENGINEERING – ARTIFICIAL
INTELLIGENCE AND MACHINE LEARNING**

At



GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS

PRESIDENCY UNIVERSITY

BENGALURU

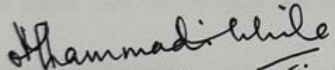
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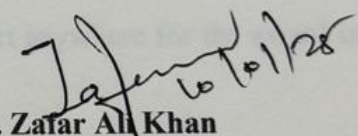
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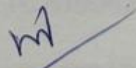
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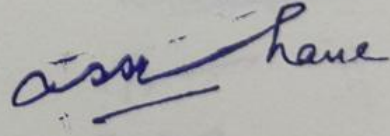
This is to certify that the Project report “PATIENT CASE SIMILARITY” being submitted by “PRANAV GANESH, PRERNA KAKADE, BHUVANA V, NIDA AIYMAN” bearing roll numbers “20211CAI0062, 20211CAI0063, 20211CAI0069, 20211CAI0085” in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering is a bonafide work carried out under my supervision.


Dr. Mohammadi Akheela Khanum
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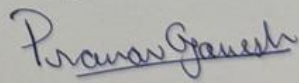
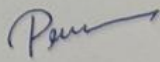
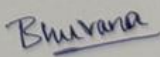
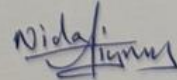
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DECLARATION

We hereby declare that the work, which is being presented in the project report entitled **PATIENT CASE SIMILARITY** in partial fulfillment for the award of Degree of **Bachelor of Technology in Computer Science and Engineering – Artificial Intelligence and Machine Learning**, is a record of our own investigations carried under the guidance of **MOHAMMADI AKHEELA KHANUM, PROFESSOR, School of Computer Science Engineering & Information Science, Presidency University, Bengaluru.**

We have not submitted the matter presented in this report anywhere for the award of any other Degree.

Name	Roll Number	Signature
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ABSTRACT

The Patient Case Similarity web app helps doctors and researchers by comparing new patient data with past cases.

It uses electronic health records (EHRs) and medical research to find patterns, and predict diseases.

The web app groups patients with similar conditions, like heart diseases, to spot trends and improve diagnosis accuracy. It helps build better prediction tools to improve patient care.

First, we load the data into a program. Then, we look at the data to see patterns or connections.

The data is initially loaded into the program. The patterns and connections are found out by looking at the data. We fix the missing values by removing them or filling them.

We then make use of charts so that the data is more understandable. The data is split into two parts: training and testing. The model is trained with the first part and then checks how well it works with the second part. In the end, patterns are found out by grouping similar data.

Our innovative approach enhances the modern day medical decision which leads to better patient outcomes.