

A
Major Project Report
on
**SESPHR: A METHODOLOGY FOR SECURE
SHARING OF PERSONAL HEALTH RECORDS IN
CLOUD**

Submitted to
Jawaharlal Nehru Technological University, Hyderabad
in partial fulfillment of the requirements for the award of Degree of
Bachelor of Technology

in
Computer Science & Engineering
by

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2022-2023

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "SESPHR : A METHODOLOGY FOR SECURE SHARING OF PERSONAL HEALTH RECORDS IN CLOUD" is submitted by *B.Bhavana (196Y1A0508)*, *B.Tejasri (196Y1A0513)*, *Hafsa Kainath (196Y1A0545)* and *K.Niharika (196Y1A0549)* in the partial fulfillment of requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering during academic year 2022-23.

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ABSTRACT

The identification, segmentation, and detection of the infected area in brain tumor is a tedious and a time-consuming task. The different structures of the human body can be visualized by an image processing concept, an MRI. It is very difficult to visualize abnormal structures of the human brain using simple imaging techniques. An MRI technique contains many imaging modalities that scan and capture the internal structure of the human brain. This project concentrates on a noise removal technique, followed by improvement of medical images for a correct diagnosis using a balance contrast enhancement technique (BCET). Then, image segmentation is used. Finally, the Canny edge detection method is applied to detect the fine edges. The experiment results achieved nearly 98% accuracy in detecting the area of the tumor and normal brain regions in MRI images demonstrating the effectiveness of the proposed technique.



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