A REPORT

ON

“Machine Learning Based Child Immunization System”

Submitted in partial fulfilment of the requirements
of the degree of
BACHELOR OF ENGINEERING
in
Computer Engineering
Affiliated to
SAVITRIBAI PHULE PUNE UNIVERSITY

SUBMITTED BY

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Under The Guidance of

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DEPARTMENT OF COMPUTER ENGINEERING
Genba Sopanrao Moze College Of Engineering, PUNE. 2022-2023

CERTIFICATE

This is to certify that the project report entitles

“Machine Learning Based Child Immunization System”

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Is the record of bonafide work carried out by them in partial fulfilment of the requirement for the award of the Degree of Bachelor of Engineering (Computer engineering), as prescribed by the Savitribai Phule Pune University in the Academic Year 2022-2023.

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Abstract

Child Immunization is one of the core infrastructure elements in building smart cities, an initiative taken up by Indian government recently. India has the highest number of child mortality in the world due to inadequate healthcare, malnutrition and poor sanitation, all of which can be prevented. We develop the ml based child immunization system to address healthcare issue, where a common platform to store and retrieve complete child medical history information. It includes mandatory vaccination schedule details of child along with the previous medical history records and also use machine learning algorithm to predicts the child health and gives specific suggestions to improve child health Reminders to provide timely vaccinations to their child are also provided to alert parents to give their child health protection. Using Web and Mobile based technology, parents and doctors get access of the child's medical reports online anywhere, anytime with required privileges. This work helps both parents and doctors to provide better quality healthcare services. Finally, the collection of data can further be analysed to find the trends and pattern of diseases and this can pave a new beginning in the field of engineering and medical research for better and quality living.

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