**A PROJECT REPORT ON PATHOLAB  
PATHLAB MANAGEMENT SOFTWARE**



A PROJECT SUBMITTED TO

THE UNIVERSITY OF MUMBAI ON COMPLETION OF THE DEGREE OF

BACHELOR OF SCIENCE IN COMPUTER SCIENCE UNDER THE FACULTY OF SCIENCE

BY

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UNDER THE GUIDANCE OF   
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**DECLARATION BY LEARNER**

I **MR. HARIKRISHNAN SATHYAN KONGIPARAMBIL** hereby, declare that the work embodied in this project work titled “**PATHOLAB**” forms my own contribution to the field of my interest under the guidance of **Prof. MEGHNA SINGH** is a result of my own research work and has not been previously submitted to any other University for any other Degree/Diploma to this or any other University.

Wherever reference has been made to previous works of others, it has been clearly indicated as such and included in the bibliography.

I, hereby further declare that all information of this document has been obtained and presented in accordance with academic rules and ethical conduct.

Name and signature of the learner

HARIKRISHNAN SATHYAN KONGIPARAMBIL

Certified By

Name and Signature of Guiding Teacher

MS. MEGHNA SINGH



**CERTIFICATE**

This is to certify that **MR. HARIKRISHNAN SATHYAN KONGIPARAMBIL** has worked and duly completed his Project Work for the Degree of Bachelor of Science in Computer Science under the Faculty of Science his project is entitled, “**PATHOLAB**” under my supervision.

I further certify that the entire work has been done by the learner under my guidance and that no part of it has been submitted previously for any Degree or Diploma of any University.

It is his own work and facts reported by his personal findings and investigations.

Dr. C.T. CHAKRABORTY PROF. MEGHNA SINGH

Principal Project Guide

INTERNAL EXAMINER EXTERNAL EXAMINE

Date of Submission:

**ACKNOWLEDGEMENT**

Achievement is finding out what you would be doing rather than what you have to do. It is not until you undertake such a project that you realize how much effort and hard work it really is, what are your capabilities and how well you can present yourself or other things. It tells us how much we rely on the efforts and goodwill of others. It’s been a long journey of failures, but consistency led me towards the path of success. After immense failures and hours of struggles the path towards success is found. It gives me immense pleasure to present this report towards the fulfilment of my project.

Though all my struggle has helped me achieved success, I would also like to thank and give the credit to the ones who had helped me and guided me for everything and helping me achieve the the first major project of my college academics.

I take this opportunity to express my profound gratitude to management of Thakur Degree College of Science & Commerce for giving me this opportunity to accomplish this project work. This opportunity is more than a boon for me to display my skills and proficiency in the fields I’m interested in.

A special vote of thanks to **Ms. Meghna Singh**, who is our project guide for helping and guiding me throughout my project.

Finally, I would like to thank all my friends & entire Computer Science department who directly or indirectly helped me in completion of this project & to my family without whose support, motivation & encouragement this would not have been possible.

**-HARIKRISHNAN SATHYAN KONGIPARAMBIL**

**ABSTRACT**

Patholab is a patholgical laboratory management software which is developed in python and sqlite database. Local Pathological Laboratories are not keeping their daily test records and reports in a database and not sending reports to the patients via e-mail or through any other platforms, patient has visit the lab again to take the report.

Patholab solves this problem and make the report generation fully computerized. Storing data of the reports generated in the database and fetching it according to the requirement of the admin. Patholab helps the laboratory admin to get the daily report on the number of tests done in the laboratory by generating an excel sheet. Since the report generation is computerized the patient can get their report though email without visiting the laboratory . Patholab has a user friendly interface which makes the process hassle free  
searching for the availability of vaccine slots can be easily done using Patholab software.

The number of tests performed in the laboratories has increased which is leading to increase in data and this data has to be managed properly to keep record and for analyzing it later. During this pandemic the number of RTPCR test performed in the laboratory has reached to peak. The test reports are not maintained properly and also the patients don’t get the reports online or the through any of the digital platform. Considering this current situation it becomes very important for laboratories to manage the report with zero errors. Patholab solves all this problem by its take RTPCR test functionality and by generating V-CARD vaccination drives can be easily managed by saving all the records

**ORGANIZATIONAL REVIEW**

**Thakur College of Science and Commerce** (TCSC) is a college in Kandivali in Mumbai of Maharashtra, India running by **Thakur Educational Trust.**

Thakur College was started in **1992** to serve the needs of students passing

SSC examination from the schools around Kandivali area and Thakur Vidhya Mandir which has already established itself as one of the schools in the area. It offers courses at primarily the higher secondary and under-graduate levels. The courses at the undergraduate and post-graduate level are offered in affiliation with Mumbai University, Mumbai. An ISO 9001:2008 College with A grade as assessed by the National Assessment and Accreditation Council NAAC.

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|  | Thakur College of Science and Commerce |
| **Founded:** | 1997 |
| **Address:** | Thakur College of Science and Commerce, Thakur Village Kandivali(E), Mumbai – 400 001 |
| **Motto:** | Journey towards Excellence |
| **Total Staff:** | 200 |
| **Number of Students:** | 12500 |
| **Email:** | Helpdesk@tcsc.org.in |

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