FACEMASK WITH INTEGRATED MONITORING SYSTEM

A PROJECT REPORT

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in partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING, CHUNKANKADAI

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APRIL 2021

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BONAFIDE CERTIFICATE

Certified that this project report **"FACEMASK WITH INTEGRATED MONITORING SYSTEM"** is the bonafide work of **"AMAL.A (962217106013), EBEN PAUL SUTHARSAN (962217106042), EBRAN BRIGHT.B (962217106043) and JEFFRIN.S.A (962217106051)"** who carried out the project work under my supervision.

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INTERNAL EXAMINER **EXTERNAL EXAMINER**

ACKNOWLEDGEMENT

First and foremost, we would like to take the opportunity to thank lord Almighty for making the distant mirage of our project a reality.

We express our sincere thanks to **Rev. Fr. Dr. M. MARIA WILLIAM,** our Correspondent for providing all the facilities for the successful completion of our project.

We are extremely indebted to **Dr. J. MAHESWARAN, M.E., Ph.D.,** our respected Principal for rendering us all the facilities for the successful completion of our project.

We express our heartfelt and sincere thanks to the Head of the ECE Department **Dr. M. MARY HELTA DAISY, M.E., Ph.D.,** who extended her helping hand and effective guidance for completing this project.

We would like to express our sincere thanks and deep sense of gratitude to project coordinators **Mrs. S. CAROLINE, M.E.,** and **Dr. S. ABSA, M.E., Ph.D.,** Assistant Professors/ECE, for their encouragement and constructive ideas.

We once again pay our sincere gratitude to **Mrs. S. CAROLINE, M.E.,** our supervisor for the guidance that she provided for the successful completion of this project.

We would also like to express our thanks to all other faculty members of the Electronics and Communication Department at St. Xavier's Catholic College of Engineering for the valuable help provided by them.

ABSTRACT

From 2020, the entire world is facing a pandemic situation caused by Coronavirus (COVID-19). Until a perfect vaccine or medicine is manufactured, the only way to be secure is following the basic hygienic rules such as social distancing, wearing a mask, hand sanitizer and by taking antibiotics, etc. By using our Smart Mask system, it is possible to secure healthy people from those who are infected and to analyze the medical parameters of the user who use it. It measures the temperature, heartbeat rate, blood oxygen level of the user and it is processed by a microprocessor which gives the designed information to the GSM module. If the person wearing this mask undergoes cardiac arrest or breathing trouble or any other critical conditions, the GSM module sends SMS to the person's guardian and medical associate (Doctor and his team of medical expertise), so they can trace the person's location and send medical help to save his life as soon as possible. Hence it is designed in a way that everyone can buy it in an affordable price and it's comfortable to wear it too.