GOVERNMENT POLYTECHNIC COLLEGE MATTANNUR-670702

(Department of Technical Education, Kerala)

PROJECT REPORT ON

IOT BASED TEMPERATURE MASK SCAN ENTRY BARRIER

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Certified that seminar work entitled "**IOT TEMPERATURE MASK SCAN ENTRY BARRIER"** is a bonafide work carried out by **"OUR TEAM"** in partial fullfilment for the award of Diploma in Electronics Engineering from Government Polytechnic College, Mattannur during the academic year 2021-2022.

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DECLARATION

I hereby declare that the report of the ***IOT BASED TEMPERATURE MASK SCAN ENTRY BARRIER*** entitled which is being submitted to the Govt. Polytechnic College, Mattannur, in partial fulfilment of the requirement for the award of ***Diploma in Electronics Engineering*** *i*s a confide report of the work carried out by me. The material in this report has not been submitted to any institute for the award of any degree.

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ABSTRACT

Mandatory face mask rules are becoming more common in public settings around the world. There are growing scientific evidence supporting the effectiveness of face mask wearing on reducing the spread of the virus. However, we have also seen some backlash on face masks, posing danger to people who are enforcing the rules.

This motivates this work to develop a deep learning model which detects whether a person is wearing a face mask and based on that workout an alerting system. The model can be deployed at local supermarkets or school buildings to control the automatic door, which only opens to people wearing face masks.

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