Project report on

“COVID-19 Real-Time Android App”

**Submitted by**

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**Department of Computer Engineering**

***ZAGDU SINGH CHARITABLE TRUST (REGD.)***

**THAKUR POLYTECHNIC**

**(**An ISO 9001:2015 Certified Institute**)**

Thakur Complex, West to W.E. Highway, Kandivli (E), Mumbai – 400 101.

**2020-2021**



**PROJECT APPROVAL SHEET**

Academic Year 2020-2021

This Project work entitled

“COVID-19 Real-Time Android App”

By

**Aditya Mishra**

**Meet Mewada**

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Is approved for the award of the

**DIPLOMA**

**IN**

**COMPUTER ENGINEERING**

Ms. Smita Dandge

**PROJECT GUIDE/MENTOR**

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**EXTERNAL EXAMINER**  **INTERNAL EXAMINER**



**Affiliated to Maharashtra State Board of Technical Education (MSBTE) Mumbai**

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from **0522, Thakur Polytechnic** Institute have completed project of final year having title **COVID-19 Real-Time Android App** during the academic year 2020-2021. The project completed by individually/ in a group consisting of **Four** persons under the guidance of the Faculty Guide.

**………………………………...**

**Name and Signature of Guide**

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**2020-2021**

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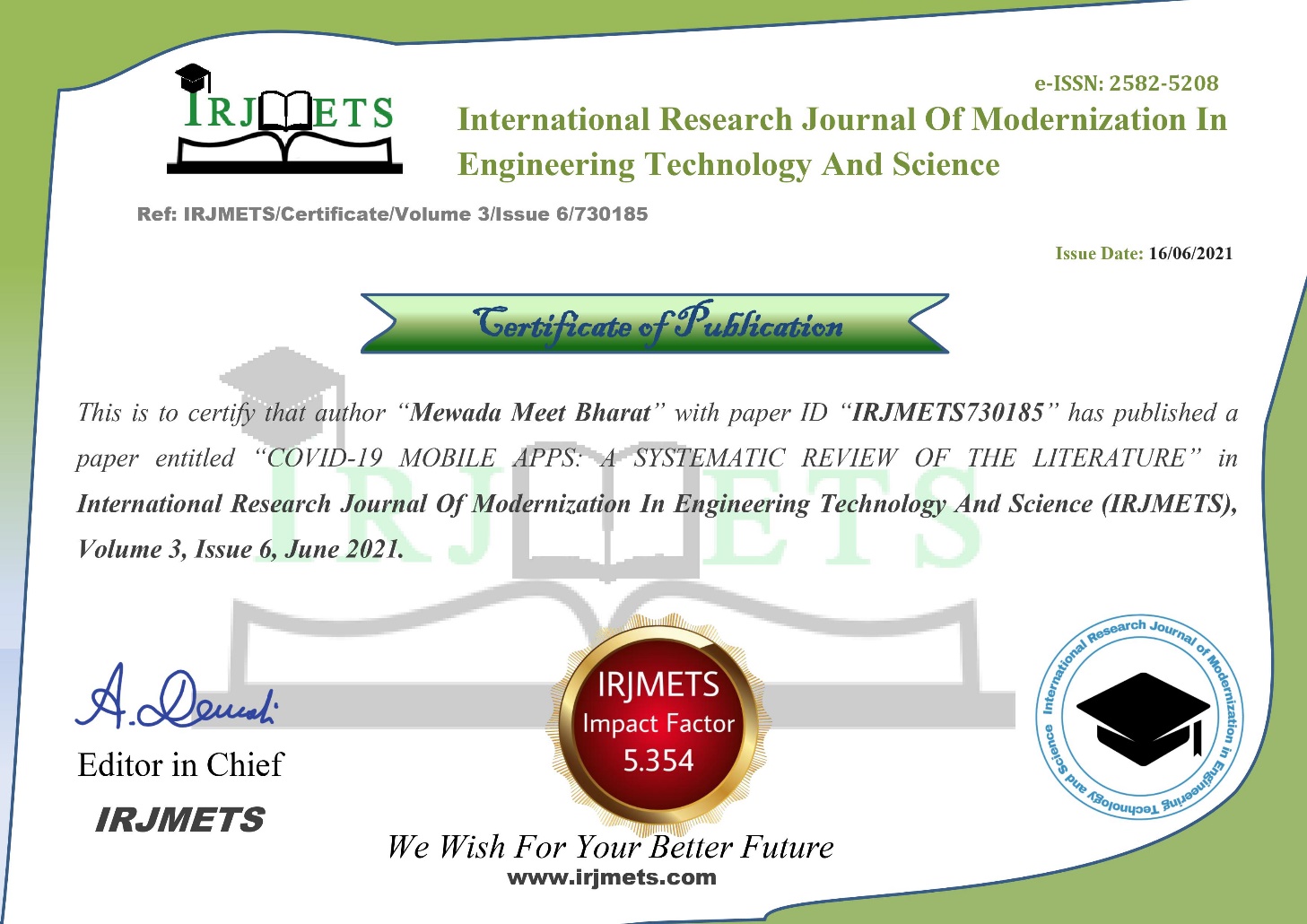
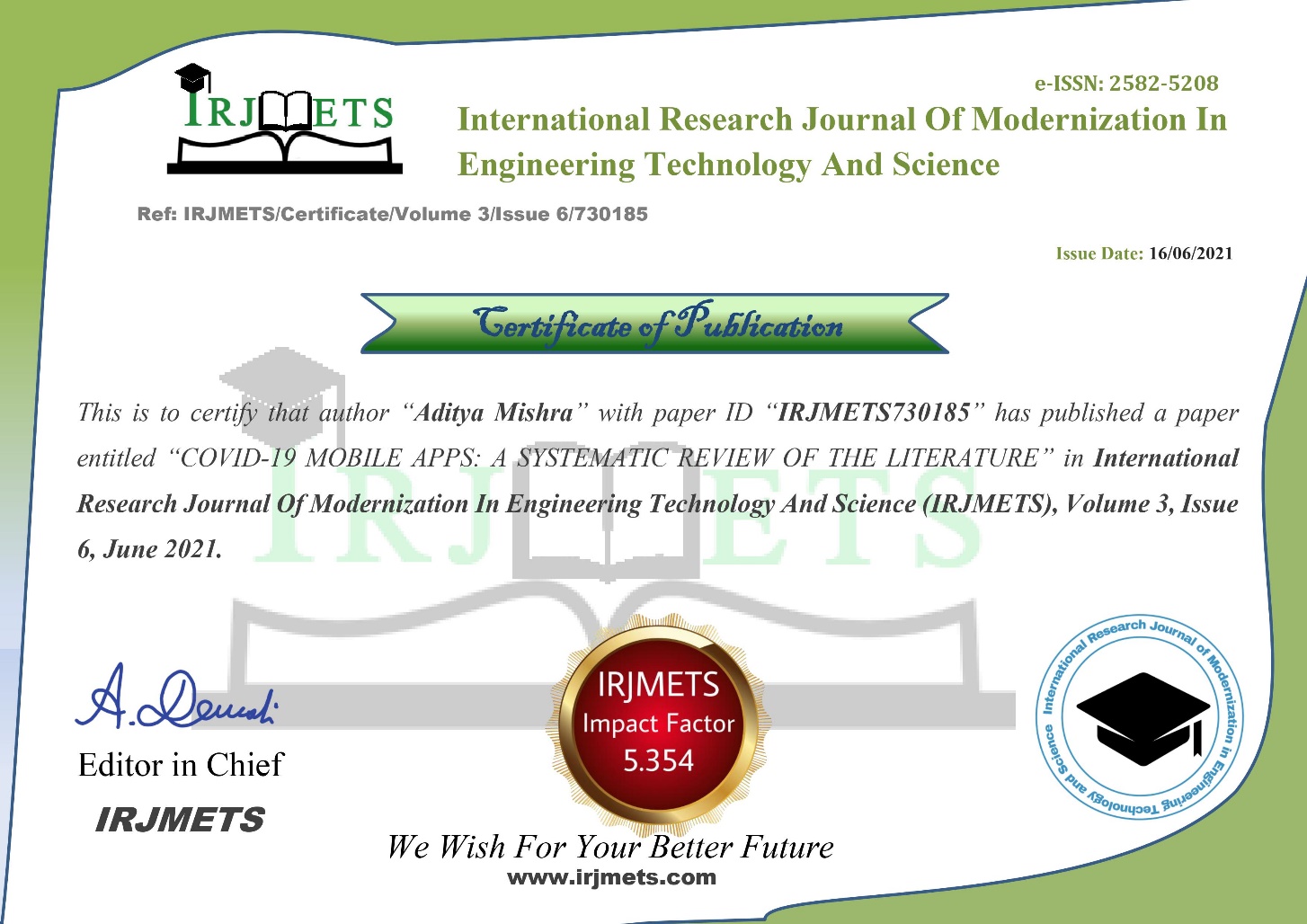
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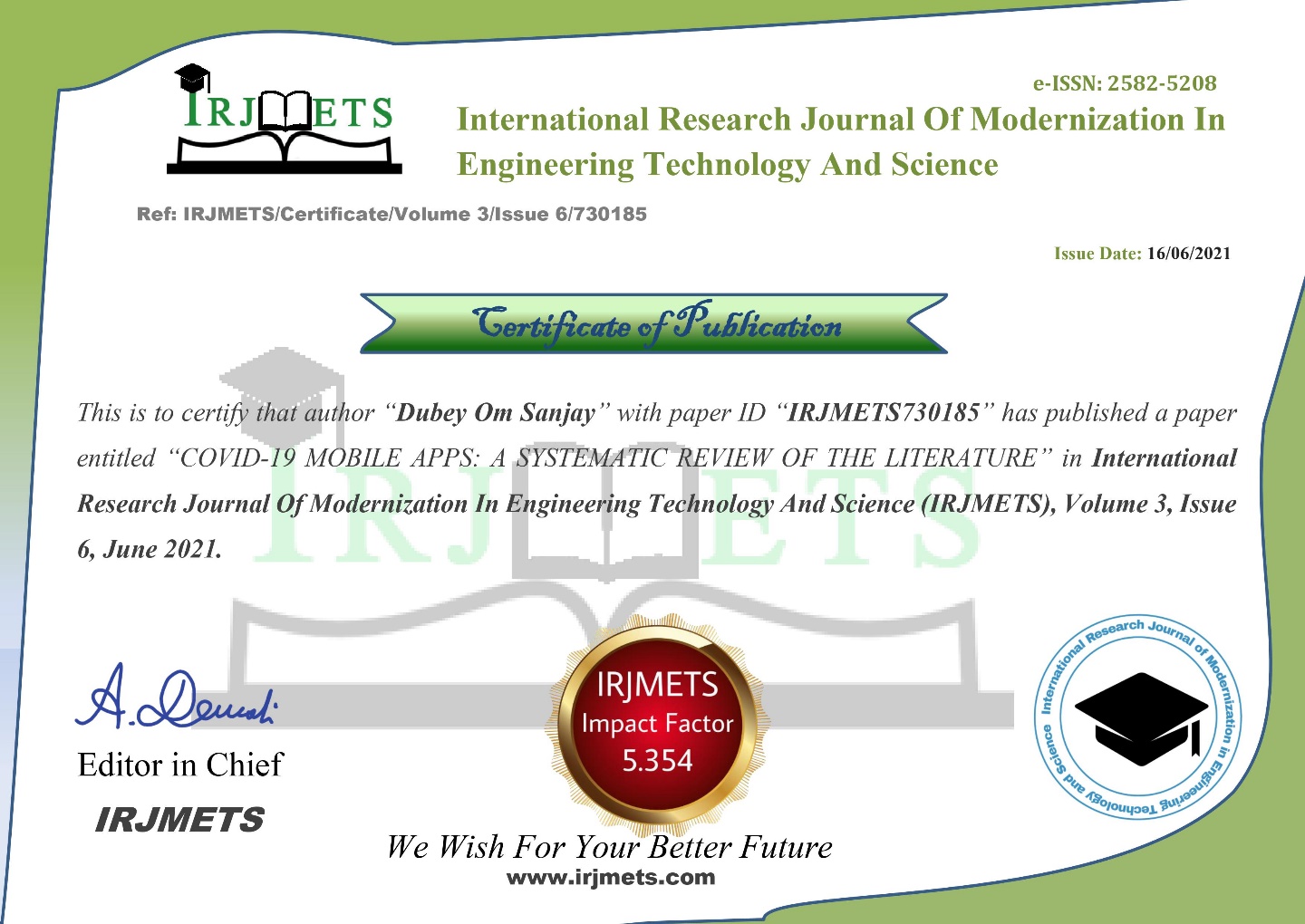
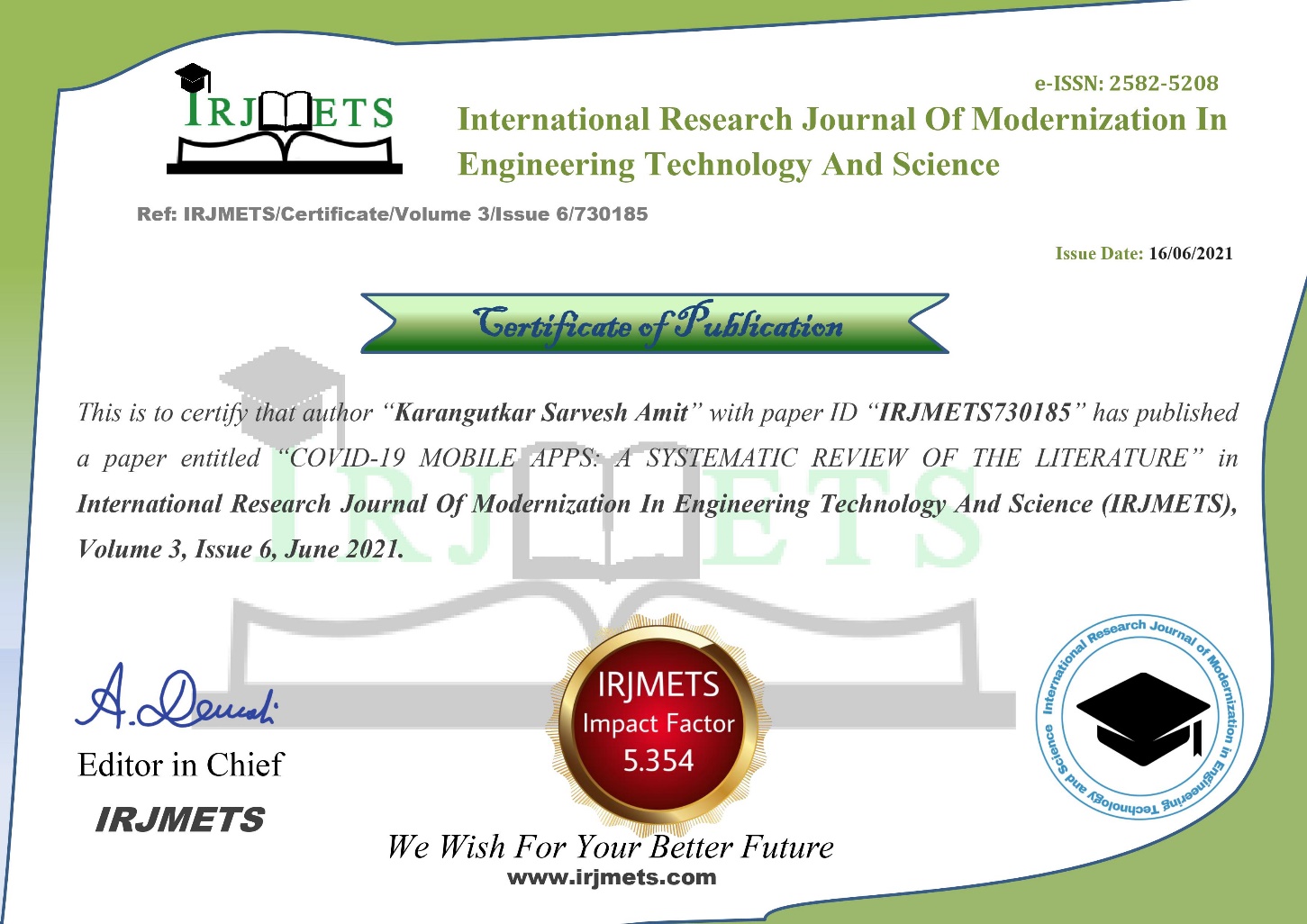
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**2020-2021**

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**ACKNOWLEDGEMENT**

As a part of third year syllabus, we could successfully complete our project **“COVID-19 Real-Time Android App”**. We feel immense pleasure in submitting the report, while submitting this report we avail this opportunity to express our gratitude toward all those who have guided and helped us in completing this task successfully. Heading the list is our honorable Principal **Dr. S.M. Ganechari** who is beginner of our inspiration. We would like to thank our H.O. D of computer engineering **Mrs. Vaishali Rane** for ardour in inciting the subject and her valuable suggestion. We owe deep gratitude to our guide **Mr. Manish Salvi** who proved to be supportive guide to us. Apart from bringing to us what can be joy for creative, every time he acted promptly to correct our mistakes. The successful completion of this project is possible by his guidance and co-operation only, without which the work would have never been completed. We give our whole hearted thank to our college **Thakur Polytechnic** for giving us the opportunity & support to the project. Finally, we wish to express our deep sense of respect and gratitude to our parents who always bear with us in any critical condition and to all others, for sparing their time and helping us for completion of this project in whatever way they could.

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**ABSTRACT**

The COVID-19 pandemic has spread with increased fatalities around the world and has become an international public health crisis. Public health authorities in many countries have introduced contact tracing apps to track and trace infected persons as part of measures to contain the spread of the Severe Acute Respiratory Syndrome-Coronavirus 2. However, there are major concerns about its efficacy and privacy which affects mass acceptance amongst a population. This systematic literature review encompasses the current challenges facing this technology and recommendations to address such challenges in the fight against the COVID-19 pandemic in neo-liberal societies.

**Background:** The year 2020 has been marked by the emergence of coronavirus disease 2019 (COVID-19). This virus has reached many countries and has paralyzed the lives of many people who have been forced to stay at home in confinement. There have been many studies that have sought to analyze the impact of this pandemic from different perspectives; however, this study will pay attention to how it has affected and how it may affect children between 0 and 12 years in the future after the closure of schools for months.

**Objective:** The objective of this article is to learn about the research carried out on the child population in times of confinement, especially those dealing with the psychological and motor aspects of minors.

**Methods:** To carry out this systematic review, the PRISMA statement has been followed to achieve an adequate and organized structure of the manuscript. The bibliography has been searched in the Web of Science (WOS), Scopus, and Dialnet databases, using as keywords: “COVID-19” and “Children.” The criteria that were established for the selection of the articles were (1) articles focusing on an age of up to 12 years, (2) papers relating COVID-19 to children, and (3) studies analyzing the psychological and motor characteristics of children during confinement.

**Results:** A total of nine manuscripts related to the psychological and motor factors in children under 12 have been found. The table presenting the results includes the authors, title, place of publication, and key ideas of the selected manuscripts.

**Conclusion:** After concluding the systematic review, it has been detected that there are few studies that have focused their attention on the psychological, motor, or academic problems that can occur to minors after a situation of these characteristics. Similarly, a small number of studies have been found that promote actions at the family and school level to reverse this situation when life returns to normal. These results may be useful for future studies that seek to expand the information according to the evolution of the pandemic.

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