

"Impact of Play-Based Strategies on Enhancing Knowledge, Attitude, and Practices (KAP) for Dengue Prevention among School Children in an Urban Area of Bangalore North"



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IV Year B.Sc Nursing(2021-2025)

Research project submitted to

SMT. Nagarathnamma College of Nursing

Under the guidance of

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Soldevanahalli, Bengaluru-560107

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**RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES,
BENGALURU, KARNATAKA**

**In partial fulfillment of the requirement for the degree of
BACHELOR OF SCIENCE IN NURSING**

Under the guidance of

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2021-2025

DECLARATION BY THE CANDIDATE

I hereby declare that this project entitled "**Impact of Play-Based Strategies on Enhancing Knowledge, Attitude, and Practices (KAP) for Dengue Prevention among School Children in an Urban Area of Bangalore North**" is a bonafide and genuine research work carried out by Mr.Khaseeb Abdul Azeez, Mr.Melbin Sunny, Ms.Leena Mariyam L, the guidance of **Dr Vijayamalar S** Professor, Community Health Nursing, Smt. Nagarathnamma College of Nursing, 69/80, Acharya Dr Sarvepalli Radhakrishnan Road, Soldevanahalli, Bangalore560107.

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CERTIFICATE BY THE GUIDE

This is to certify that this project work entitled " **Impact of Play-Based Strategies on Enhancing Knowledge, Attitude, and Practices (KAP) for Dengue Prevention among School Children in an Urban Area of Bangalore North**" is a Bonafide and genuine research work carried out by Mr.Khaseeb Abdul Azeez, Mr.Melbin Sunny, Ms.Leena Mariyam L, in partial fulfilment of the requirement for the basic BSc. Nursing,

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ENDORSEMENT BY THE PRINCIPAL/HEAD OF THE INSTITUTION

This is to certify that the research project entitled " **Impact of Play-Based Strategies on Enhancing Knowledge, Attitude, and Practices (KAP) for Dengue Prevention among School Children in an Urban Area of Bangalore North** " is a Bonafide research work done by Mr.Khaseeb Abdul Azeez, Mr.Melbin Sunny, Ms.Leena Mariyam L , as a partial fulfilment of the requirement for the degree Bachelor of Science in Nursing under the guidance of **Dr. Vijayamalar S**, Professor Department of Community Health Nursing, Smt. Nagarathnamma College of Nursing.

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ACKNOWLEDGEMENT

We express our heartfelt gratitude to the Almighty for the abundant grace and blessings bestowed upon us throughout our studies and the completion of this work.

We extend our sincere appreciation to **Sri. Premnath Reddy, Chairman of JMJ Trust, Smt. Shalini Reddy, Director of Admissions at JMJ Trust, and Mr. Krishna Bhasani, Managing Director.** Their unwavering support, encouragement, and provision of state-of-the-art facilities have been instrumental in the successful execution of our project within this esteemed institution.

Our sincere gratitude to **Dr. Devi Nanjappan, Principal Smt. Nagarathnamma College of Nursing** her guidance and support. We express our thanks and gratitude to **Prof. Snehalatha Reddy, Vice Principal, Smt. Nagarathnamma College of Nursing** for her constant encouragement and support to carry out the study.

This research study undertaken by us has been carried out and completed under the profound guidance of **Dr. Vijayamalar S, Professor, HOD of Community Health Nursing, Smt. Nagarathnamma College of Nursing**, we are grateful for her constant guidance and encouragement throughout the study. Her tireless effort made our dream a reality.

We thank the **librarian Mrs. Sheela G** for her co-operation during the project.

We are highly obliged to all the faculty of Smt. Nagarathnamma College of Nursing

We are thankful to all those who have directly or indirectly helped us in completion of this study.

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ABSTRACT

Dengue fever remains a significant public health concern in India, particularly in urban areas such as Bangalore North, where children form a vulnerable group. This quasi-experimental study assessed the effectiveness of play-based strategies in enhancing knowledge, attitudes, and practices (KAP) regarding dengue prevention among 60 school children aged 10–16 years at Silicon International Public School. Data were collected using a structured KAP questionnaire through pre-test and post-test assessments. Play-based interventions, including interactive activities, were implemented to promote awareness and preventive behaviors. Results indicated that in the pre-test, 70% of participants had poor KAP scores and only 8.33% demonstrated good scores, whereas post-test findings showed that 75% attained good scores with none remaining in the poor category. The paired t-test ($t = 17.945$, $p < 0.05$) confirmed significant improvement in KAP levels. Chi-square analysis revealed associations between KAP scores and variables such as place of residency, prior exposure to dengue, participation in health programs, mosquito prevention measures, and history of dengue diagnosis. The study concludes that play-based strategies are effective, child-centered tools that enhance knowledge retention, foster positive attitudes, and promote sustainable preventive practices against dengue, positioning school children as active change agents in their communities.

Keywords: Dengue prevention, Play-based strategies, Knowledge Attitude Practice (KAP), School children, Health education, Vector control, Community health nursing, Quasi-experimental study, Bangalore North

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