

“A STUDY TO ASSESS THE EFFECTIVENESS OF A STRUCTURED  
TEACHING PROGRAM ON PREVENTION OF NEEDLE STICK INJURIES  
AMONG NURSING STUDENTS.”



BY

Mr. MUHAMMED NIHAL

Ms. NANDHANA K S

Ms. PARVATHY B

SMT. NAGARATHNAMMA COLLEGE OF NURSING

UNDER THE GUIDANCE OF

Ms. NEELAM SINGH

ASST. PROFESSOR

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY OF NURSING

SMT. NAGARATHNAMMA COLLEGE OF NUTSING

ACHARYA INSTITUTE, Dr. SARVEPALLI RADHAKRISHNAN ROAD

SOLADEVANAHALLI, BANGALORE-560107

2025

“A STUDY TO ASSESS THE EFFECTIVENESS OF A STRUCTURED  
TEACHING PROGRAM ON PREVENTION OF NEEDLE STICK INJURIES  
AMONG NURSING STUDENTS.”



BY

Mr. MUHAMMED NIHAL

Ms. NANDHANA K S

Ms. PARVATHY B

DISSERTATION SUBMITTED TO THE

RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES,

BANGALORE, KARNATAKA

IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE DEGREE

OF

UNDER THE GUIDANCE OF

Ms. NEELAM SINGH

ASST. PROFESSOR

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY OF NURSING

SMT. NAGARATHNAMMA COLLEGE OF NUTSING

ACHARYA INSTITUTE, Dr. SARVEPALLI RADHAKRISHNAN ROAD

SOLADEVANAHALLI, BANGALORE-560107

2025

## **DECLARATION BY CANDIDATES**

This is to certify that the project “**A STUDY TO ASSESS THE EFFECTIVENESS OF A STRUCTURED TEACHING PROGRAM ON PREVENTION OF NEEDLE STICK INJURIES AMONG NURSING STUDENTS**”. Is a Bonafide group research done by **Muhammed Nihal, Nandhana K S and Parvathy B** of the 4<sup>th</sup> year BSc Nursing under the guidance of **Ms. Neelam Singh** Assistant professor of Obstetrics and Gynaecology of Nursing Smt. Nagarthnamma College of Nursing, Bangalore.

DATE:-

PLACE:- BANGALORE

SIGNATURE OF CANDIDATES

Mr. MUHAMMED NIHAL

Ms. NANDHANA K S

Ms. PARVATHY B

## **CERTIFICATE BY THE GUIDANCE**

This is to certify that the “**A STUDY TO ASSESS THE EFFECTIVENESS OF A STRUCTURED TEACHING PROGRAM ON PREVENTION OF NEEDLE STICK INJURIES AMONG NURSING STUDENTS**”. Is a Bonafide group research done by **Muhammed Nihal, Nandhana K S and Parvathy B** of the 4<sup>th</sup> year BSc Nursing under the guidance of **Ms. Neelam Singh** Assistant professor of Obstetrics and Gynaecology of Nursing Smt. Nagarathnamma College of Nursing, Bangalore.

DATE:-

PLACE:- BANGALORE

SIGNATURE OF THE GUIDE

Ms. Neelam Singh

Asst. Professor

Smt. Nagarathnamma College of Nursing

### **ENDORSEMENT BY THE PRINCIPAL OF THE INSTITUTION**

This is to certify that the project “**A STUDY TO ASSESS THE EFFECTIVENESS OF A STRUCTURED TEACHING PROGRAM ON PREVENTION OF NEEDLE STICK INJURIES AMONG NURSING STUDENTS**”. Is a Bonafide group research done by **Muhammed Nihal, Nandhana K S and Parvathy B** of the 4<sup>th</sup> year BSc Nursing under the guidance of **Ms. Neelam Singh** Assistant professor of OBSTETRICS and Gynaecology of Nursing Smt. Nagarathnamma College of Nursing, Bangalore.

DATE:-

PLACE:- BANGALORE

SIGNATURE OF THE GUIDE

Ms. Neelam Singh

Asst. Professor

Smt. Nagarathnamma College of Nursing

## **ACKNOWLEDGEMENT**

**“When I started counting my blessings, my whole life turned around.”**

**-Willie Nelson**

We express our sincere thanks to almighty god for his grace, his kind help and blessing throughout the study. His felt presence gave us strength to complete this project successfully. We are deeply privileged and greatly honored to express our heartiest gratitude to **Dr. Devi Nanjappan, Principal of Smt. Nagarathnamma College of Nursing**, Bengaluru 560107, for the constant support and encouragement in helping to complete our research study

Our sincere and wholehearted gratitude to our guide **Ms. Neelam Singh, Assistant Professor, Department of Obstetrics and gynecology nursing of Smt. Nagarathnamma College of Nursing**, for her invaluable constant support, guidance and for enlightening us with various ideas and information while doing this project

We are proudly indebted to all the teaching faculties of Smt. Nagarathnamma College of Nursing for their kind cooperation, invaluable suggestions and constant support for improving our knowledge to conduct our research study

We are grateful to all the supporting staff and librarian for their kind cooperation while conducting research project.

We are grateful to principal of Smt. Nagarathnamma College of Nursing for allowing us to conduct search in her institution.

We thank our parents for their continuous blessings and constant support for always being there for us.

Lastly, we would like to express our hearty thanks to our friends who helped us to make this research possible

## **ABSTRACT**

**Title:- “A STUDY TO ASSESS THE EFFECTIVENESS OF A STRUCTURED TEACHING PROGRAM ON PREVENTION OF NEEDLE STICK INJURIES AMONG NURSING STUDENTS.”**

### **Aims:**

- 1) To assess the baseline knowledge and practices of nursing students regarding prevention of needle stick injuries.
- 2) To implement a structured teaching program on prevention of needle stick injuries among nursing students.
- 3) To evaluate the effectiveness of the structure teaching program by comparing pre-test and post-test knowledge and practice scores of nursing students.

### **Objectives:**

- 1) To assess the pre-test level of knowledge regarding the prevention of needle stick injuries among nursing students.
- 2) To administer a structured teaching program on prevention of needle stick injuries.
- 3) To assess the post-test level of knowledge regarding the prevention of needle stick injuries among nursing students.
- 4) To compare the pre-test and post-test knowledge scores on prevention of needle stick injuries among nursing students.
- 5) To find the association between pre-test knowledge scores and selected demographic variables (e.g., age, gender, year of study, previous clinical exposure).

### **METHOD:**

Non-probability convenience sampling technique

<b>SI NO</b>	<b>CHAPTER</b>	<b>PAGE NO</b>
<b>1</b>	<b>INTRODUCTION</b>	<b>11-18</b>
<b>2</b>	<b>OBJECTIVES</b>	<b>19-22</b>
<b>3</b>	<b>REVIEW OF LITERATURE</b>	<b>23-33</b>
<b>4</b>	<b>METHODOLOGY</b>	<b>34-44</b>
<b>5</b>	<b>RESULTS</b>	<b>45-59</b>
<b>6</b>	<b>DISCUSSION</b>	<b>60-64</b>
<b>7</b>	<b>CONCLUSION</b>	<b>65-68</b>
<b>8</b>	<b>SUMMARY</b>	<b>69-72</b>
<b>9</b>	<b>BIBLIOGRAPHY</b>	<b>73-76</b>
<b>10</b>	<b>ANNEXURE</b>	<b>77-95</b>



## **List of Tables**

<b>SI. No.</b>	<b>Content</b>	<b>Page No</b>
<b>1</b>	Distribution of samples according to demographic variables	48
<b>2</b>	Classification of respondents of pre-test knowledge level	54
<b>3</b>	Classification of respondents of post-test knowledge level	54
<b>4</b>	Mean, standard deviation, mean percentage, mean difference, t value and p value of knowledge regarding the prevention of needle stick injuries	57
<b>5</b>	Association between post-test knowledge score and selected demographic variables on the prevention of needle stick injuries	59

## **List of Tables**

<b>Sl. No.</b>	<b>Content</b>	<b>Page No</b>
<b>1</b>	Schematic representation of research plan	43-44
<b>2</b>	Percentage distribution of age	50
<b>3</b>	Percentage distribution of gender	50
<b>4</b>	Percentage distribution of religion	51
<b>5</b>	Percentage distribution of year of nursing program	51
<b>6</b>	Percentage distribution of clinical experience	52
<b>7</b>	Percentage distribution of received any formal training on infection control/NSI prevention	52
<b>8</b>	Percentage distribution of place of residents	53
<b>9</b>	Percentage distribution of pre-test knowledge level	55
<b>10</b>	Percentage distribution of post- test knowledge level	55