PROJECT ON

"A STUDY TO ASSESS THE EFFECTIVENESS OF PLANNED TEACHING PROGRAMME REGARDING PREVENTIVE MEASURES OF ROAD ACCIDENTS AMONG SELECTED JUNIOR COLLEGES, NELLORE"

B.Sc.(Nursing)

'HARD WORK'DISCIPLINE'SERVICE'TRIUMPH'

by

Ms. KAVYA ASHOK

SREE NARAYANA NURSING COLLEGE

STONEHOUSEPET, NELLORE - 524 002.

1986

Dr. Y.S.R. UNIVERSITY OF HEALTH SCIENCES VIJAYAWADA, A.P.

DECEMBER-2023

SREE NARAYANA NURSING COLLEGE

CHINTHAREDDYPALEM NELLORE

BONAFIDE CERTIFICATE

This project titled **"A study to assess the effectiveness of the planned teaching programe regarding preventive measures of road accidents among students at selected junior colleges at Nellore, ."**was carried out by **Ms.Kavya Ashok ,** is a bonafide student of Sree Narayana Nursing college , Nellore. During the academic year 2022-2023,

Date:

Place: Nellore

Dr .I.V. Mamtha, M.Sc (N), Ph.D,

Principal

Principal

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CERTIFICATE BY PRINCIPAL

This is to certify that this project titled " **A study to assess the effectiveness of the planned teaching programe regarding preventive measures of road accidents among students at selected junior colleges at Nellore**"is a bonafide work done by **Ms.Kavya Ashok** , IV year B.Sc.(N) student of sree Narayana Nursing college , Chinthareddypalem, during the academic year 2022-2023.

Date:

Place: Nellore

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CERTIFICATE BY GUIDE

This is to certify that this project titled"**A study to assess the effectiveness of the planned teaching programe regarding preventive measures of road accidents among students at selected junior colleges at Nellore."** is an original research work done by **Ms.Kavya Ashok**under my guidance and supervision during the academic year 2022-2023

Date:

Place:Nellore.

Mrs.Lalitha Kumar , M.sc(N)Ph.D

Associate Professor

HOD of MHN Department

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SREE NARAYANA NURSING COLLEGE

CHINTHAREDDYPALEM NELLORE

DECLARATION

I hereby declare that this project entitled **"A study to assess the effectiveness of the planned teaching programe regarding preventive measures of road accidents among students at selected junior colleges at Nellore"** is a bonafide and genuine research work carried out by me under the guidance of **Mrs.Kavya Ashok** Associate Professor, HOD of Nursing Education, Sree Narayana Nursing College, Chinthareddypalem, Nellore.

Signature of the candidate:

Ms.kavya Ashok

Date:

Place:Nellore.

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Declaration By The Candidate

I hereby declare that the Dr. YSR University of Health Sciences, Vijayawada, shall have the rights to preserve, use and disseminate this project in print or electronic format for the academic / research purpose.

Date:.

Signature of the candidate

Place:Stone house pet

Ms.kavya Ashok

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ACKNOWLEDGEMENT

At outset, I wish to acknowledge my heart full gratitude to the lord Almighty who is the foundation of the wisdom, prudence and astuteness. God given me ample resilience, guidance exhortation and patronage throughout my study.

I express my gratitude to the Vice Chancellor, Registrar, Director of R & D, And Registrar of Academic Section of **Dr.YSR UHS**, who gave me the golden opportunity to do this wonderful project.
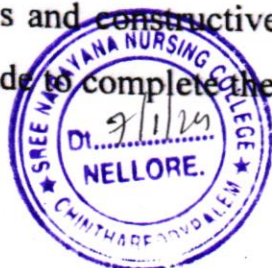
With deep sense of colossal contemplate; I extend my whole hearted gratitude and deep sense of gratitude to our founder, **Dr. P.Narayana Garu**, for giving me a great opportunity to be a part of this esteemed Institution.
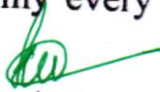
I would like to express my deep sense of profound gratitude to our Chairman, **Mr. Puneeth Kothappa,** Narayana Educational Society.

I owe a deep sense of gratitude to **Dr.V.Jayanthi**, Principal of Sree Narayana Nursing College, who has given Prompt Inspirations, timely suggestions with kindness have enable me to complete my project.

I owe a deep sense of gratitude to **Dr.I.V.Mamatha**, Principal of Sree Narayana Nursing College, who has given support.

I specially thank to **Mrs. Lalithakumari, Professor, Department of Mental Health Nursing,** for her guidance valuable and thought provoking suggestions and constructive criticism and keen interest on my every stage of project made to complete the study.

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vii

I thank **Ms.E.Sireesha**, Librarian and Sree Narayana Nursing College for providing good opportunities with excellent reference and journals.

I express my cordial thanks to all the faculty members of Sree Narayana Nursing College, Nellore, for valuable role in making this study possible.

I would like to express my special thanks to Principal of Government Junir College, Venkatachalam for giving me permission to conduct study.

I express my sincere thanks to **Mr.P.NagendraBabu, M.Tech,(Ph.D), Mrs.Sridevi** computing the script clearly, legibly, effectively through his tremendous efforts and ideas.

I express my gratitude to all the study participants for extending their cooperation, without whom the study would not have been possible.

Momentous thanks to my beloved parents **Mr. Ashok Kumar** and **Mrs. Latha Ashok** for their love, support, encouragement, assistance and emotional support throughout my Study.

Last but not the least, my heartfelt thanks to **friends** and **well wishers** and other **classmates** who have directly or indirectly contributed to the completion of this study.

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NELLORE-524 002

ABSTRACT

Statement of the problem:

"A study to assess the effectiveness of the planned teaching programe regarding preventive measures of road accidents among students at selected junior colleges at Nellore"

Introduction: In developing countries a large proportion vehicles involved in accidents are two wheeler compared to cars. In these countries adults are more frequent involved in road accidents than others. Where four wheelers is in developed countries are more, frequently involved in the world. The accidents are occurs mainly due to large number of low driving standards, large number of buses after over loaded, wide spread disregard of traffic rules. Defective roads, poor street lighting defective layout of cross road and speed breakers, unusual behavior of men and animals, intake the alcohol and driving, cell phones are using in the driving, in minor age without license and not experience in driving. Road traffic accidents are increasing number and in severity with the development of high speed motor ways, multiple collisions and involvement are becomes more common, particularly in times of reduced visibility for rains raises rapidly lose control by skidding on smooth surface such as ice and by acquired planning on water. **Objectives: 1.**To assess the knowledge on preventive measures of road accidents in children **2.**To assess the effectiveness of planned teaching program me regarding preventive measures of road accidents at junior college **3.**To associate the effectiveness of PPT on preventive measures of road accident with their selected socio demographic variable **Methodology:** A quantitative research approach and descriptive research design was adopted. Study was conducted in Government Junior College Venkatachalam. 100 students was selected by using non probability convenience sampling technique. Checklist was used to assess the prevalence

among Students Data was analyzed by using descriptive and inferential statistics

Result : The study shows with the regard to the level of knowledge 10(10%) acquired A grade knowledge, 60(60%) acquired B grade knowledge , 30(30%) acquired C concluded that among 100 junior college students with regard to assess the knowledge on preventive measures of road accidents In associating the prevalence of road traffic accident socio demographic variables there was significant with age, religion, source of information. at the level of $p<0.05$ There was no significant between the type of family, income per month Rs , occupation of parents pervious history of road accident a the level of $p<0.05$. The results indicate that the teachers need to educate the students on preventive measures of road accidents mean score was 4.55 and standard deviation was 2.13 **Conclusion:** The present study. The study shows with the regard to the level of knowledge 10(10%) acquired A grade knowledge, 60(60%) acquired B grade knowledge , 30(30%) acquired C concluded that among 100 junior college students with regard to assess the knowledge on preventive measures of road accidents Hence there is significant association between level of knowledge and socio demographic variables such as age, religion, source of information. There was no significant association between level of knowledge and socio demographic variables such as type of family, income per month Rs , occupation of parents on preventive measures of road accidents .The results indicate that the teachers need to educate the students on preventive measures of road accidents mean score was 4.55 and standard deviation was 2 .13

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PROJECT ON

"A STUDY TO ASSESS THE EFFECT OF STRUCTURED TEACHING PROGRAM ON KNOWLEDGE AND PRACTICES REGARDING NEEDLE STICK INJURIES AMONG THE CLASS FOUR WORKERS IN SELECTED HOSPITALS AT NELLORE".

B.Sc.(Nursing)

"HARD WORK*DISCIPLINE*SERVICE*TRIUMPH"

by

Ms. SHILCY SAJI

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Dr. Y.S.R. UNIVERSITY OF HEALTH SCIENCES

VIJAYAWADA, A.P.

DECEMBER-2023

SREENARAVANA NURSING COLLEGE

STONEHOUSEPET, NELLORE.

BONAFIDE CERTIFICATE

This is to certify that this project titled, **"A study to assess the effect of structured teaching program on knowledge and practices regarding needle stick injuries among the class four workers in selected hospitals at Nellore".**was an original work done by **Shilcy Saji** Sree Narayana Nursing College, Stonehousepet, Nellore-524002, in partial fulfilment of the requirement for the B.Sc (N) Degree under the supervision **Mrs.JupudiAnusha** assistant professor, department of community health nursing, Sree Narayana Nursing College.

Date:

Place: Stonehousepet

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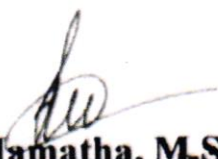
SREE NARAYANA NURSING COLLEGE

STONEHOUSEPET, NELLORE.

CERTIFICATE BY THE PRINCIPAL

This is to certify that this project titled **"A study to assess the effect of structured teaching program on knowledge and practices regarding needle stick injuries among the class four workers in selected hospitals at Nellore"**was a original work done by **Ms.Shiley Saji,** Sree Narayana Nursing College, Stonehousepet,Nellore-524003 , under my guidance and supervision during the academic year 2022-2023..

Date:

Place: Stonehousepet

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STONEHOUSEPET, NELLORE

CERTIFICATE BY THE GUIDE

This is to certify that this project titled" "A study to assess the effect of structured teaching program on knowledge and practices regarding needle stick injuries among the class four workers in selected hospitals at Nellore"was a original work done by **Ms.Shiley Saji** SreeNarayana Nursing College, Stonehousepet, Nellore-524003 This project is carried out under my guidance and supervision during the academic year 2022-2023

Mrs.Sarithareddy,

Professor

OBG Department

Sree Narayana Nursing college
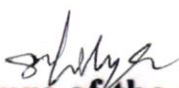
Stonehousepet, Nellore

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Place: Stonehousepet

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SREE NARAYANA NURSING COLLEGE

STONEHOUSEPET, NELLORE

DECLARATION

I hereby declare that this project entitled"**A study to assess the effect of structured teaching program on knowledge and practices regarding needle stick injuries among the class four workers in selected hospitals at Nellore**"was an original work carried out by me under the guidance of **Mrs.JupudiAnusha** assistant professor, department of community health nursing , Sree Narayana Nursing College, Stonehousepet, Nellore.

Signature of the candidate:

Ms. Shilcy Saji
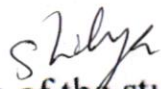
Date: 2/1/24

Place: Stonehousepet

Principal
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Signature of the student

Ms. Shilcy Saji

Date ᴣ/1/24

Place: Stonehousepet

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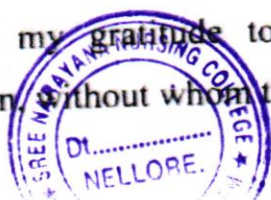
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I specially thank to **Prof.Sarumathi**, Vice Principal, Sree Narayana Nursing College, for her kind help and cooperation throughout the study.

I thank to **Mrs.Jupudi Anusha** assistant professor, department of community health nursing , Sree Narayana Nursing College for her great assurance of Validation of content and proper guidance throughout the research study.

I express my cordial thanks to all the faculty members of Sree Narayana Nursing College, Nellore, for valuable role in making this study possible.

I express my gratitude to all the study participants for extending their cooperation without whom the study would not have been possible.

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I express my grateful thanks to the HOD Statistics **Prof.B.Kalpana,** for his valuable suggestions and co-operation towards data analysis & interpretation when helps me to draw the accurate conclusion.

I thank **Ms.E.Sireesha**, Librarian and Sree Narayana Nursing College for providing good opportunities with excellent reference and journals.

I expressed my thanks to **Mr. Lakshman,** computer technician, Sree Narayana Nursing College for his help in carrying out this project.

I express my sincere thanks to **Mr.P.NagendraBabu, M.Tech, (Ph.D), Mrs.V.Sridevi** computing the script clearly, legibly, effectively through his tremendous efforts and ideas.

Moments thanks to my beloved parents **Mr. Saji J** and **Mrs.Minimol P K** , for the love, support, encouragement, assistance and emotional support throughout my study.

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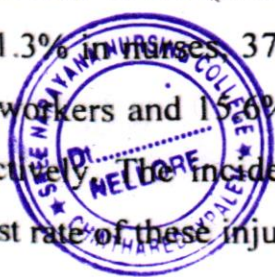
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ABSTRACT

"A study to assess the effect of structured teaching program on knowledge and practices regarding needle stick injuries among the class four workers in selected hospitals at Nellore".

Needle stick injury is a penetrating wound from a needle (or a sharp object) that may result in exposure to blood or other body fluids. Any piercing wound can be potentially classified into needle stick injury, but the term is most frequently used in relation to health care workers. On occasion while drawing blood, administering an intramuscular injection, intravenous drug, or performing other procedures involving sharps, the needle can slip injure the health care workers. Needle stick injuries are wounds caused by needles that accidentally puncture the skin. One of the greatest threats to health care workers is the potential to acquire blood born infectious diseases like hepatitis A virus and AIDs through needle stick injuries. Accidental punctures by contaminated needles can inject hazardous fluids into the body through skin. Even small amount of infectious fluids can spread certain diseases effectively. The risk of infection after exposure to HIV infected blood is 0.3% where as it is estimated to be 30% for hepatitis B virus and it could be high as 10% for hepatitis C virus. The risk factor for hepatitis C virus transmission in occupational setting is 1.8%.Needle stick injuries will transmit many other diseases including viruses, bacteria, fungi and other microorganisms to health care workers like doctors, nurses, helpers, laboratory technicians, class four workers.

Need for the study: About 3 million out of the 35 million health care workers are exposed to needle stick injuries each year. Overall prevalence of needle stick injuries was 77/384(20.1%).Among subgroups, needle stick injury was 26.6% and 31.3% in nurses, 37.5% and 16.7% in technicians, 15%and 12.5% in class four workers and 15.6% and 9.4% in sweepers in public and private hospitals respectively. The incidence of needle stick injuries was 43%.Africa had the highest rate of these injuries of 51%, and the World Health Organization (WHO)

African Region had the highest incidence among World Health Organization regions of 52%. Women were more frequently affected by needles sticks injuries than men were. Hepatitis C virus infection was the disease most commonly transmitted via needle stick injuries (21%)

Objectives:

- To assess the knowledge regarding needle stick injuries among class four workers.

- To determine the effectiveness of structured teaching program regarding needle stick injuries among class four workers by Comparing the pre-test and post-test level of knowledge.

- To findout the association effectiveness on Structured teaching Program on needle Stick injury with their Sociodemographic variables.

Materials and methods: Quantitative research approach and pre experimental pretest and post test design was adopted to assess the effect of structured teaching program on knowledge and practices regarding needle stick injuries among the class four workers in selected hospitals at Nellore.

Data collection procedure: The data collection procedure was done for a period of 2 weeks after obtaining formal permission from the Principal of Sree Narayana Nursing College. 50 participants were selected by using non probability convenience sampling technique. The researcher obtained the written consent from the participants by assuring anonymity and was explained the purpose of the study. The questionnaire was administered to class four workers who are fulling fill the inclusion criteria and data collection took about 20 minutes for each participant, the collected data was coded, tabulated and organized by using descriptive and inferential statistics according to the objectives of the study. Interventional strategies was provided in the form of information session plan.

Results: The level of knowledge regarding to the population ecological adaptation among class four workers .Out of 50 class four workers .

x

8(16%)belongs to adequate knowledge,29(58%) belongs to moderate knowledge,13(26%) belongs to inadequate knowledge. Encloses the Mean and Standard Deviation of pre and post procedural test, the level of knowledge revealed that the pre procedural mean was 9.8 with SD of 2.81.The post procedural test mean was 12.28 with SD of 3.156. Statistically there is no significant association of level of knowledge with demographic variables.

Conclusion:The structured teaching program is effective by enhancing the knowledge. So the research hypothesis was accepted and null hypothesis was rejected. In association the demographic variables such as age, gender, religion ,income ,experience as a health care worker and source of information are statistically significant at $p < 0.05$.Hence from this research it is evident that there is improvement of knowledge and understanding of the extent of needle stick injuries among the class four workers. The structured teaching program was effective among the class four workers .

Keywords: Assess, Effect, Structured teaching program, knowledge, Needle, Stick, Injury, Class four workers.

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