

# **SUMMER INTERNSHIP PROGRAM**

**at**

**National institute Of Healthcare And Family welfare**

From 1<sup>st</sup> May 2024 to 28<sup>th</sup> June 2024

**A REPORT BY**

**Girishsingh D. Sengar**

Master of Business Administration

Healthcare and Hospital management

**2023-25**

under the Mentorship of

**Dr.(col) Mahender Kumar**





बाबा गंगनाथ मार्ग, मुनीरका, नई दिल्ली-110067

दूरभाष (कार्यालय): 91-11-26165959, 26166441, 26188485, 26107773

फैक्स: 91-11-26101623, ई.मेल: info@nihfw.org

वेब साईट: www.nihfw.org

Baba Gangnath Marg, Munirka, New Delhi-110067

Phones: 91-11-26165959, 26166441, 26188485, 26107773

Fax: 91-11-26101623, E.Mail: info@nihfw.org

Web Site: www.nihfw.org

F.No. A-33012/5/2007-Acad.

Dated: 28/06/2024

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Mr. Girishsingh D. Sengar, currently enrolled in the MBA (Hospital and Health Management), student from IIHMR University, Jaipur has successfully completed his Summer Training/ Internship programme on the Project Report entitled- "**Participatory Management in Healthcare Systems: A Key Strategy for Achieving SDGs – A Systematic Review of Process Outcomes**" at The National Institute of Health and Family Welfare, New Delhi for the period from 1<sup>st</sup> May, 2024 to 28<sup>th</sup> June, 2024 under the guidance of Dr. A.M. Elizabeth.

His conduct during the Summer Training Programme was good and I wish him a bright career ahead.

(Dr. V.K. Tiwari)

Dean of Studies

डीन ऑफ स्टडीज

Dean of Studies

राष्ट्रीय स्वास्थ्य एवं परिवार कल्याण संस्थान

National Institute of Health & Family Welfare

बाबा गंगनाथ मार्ग मुनीरका, नई दिल्ली-110067

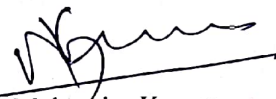
Baba Gangnath Marg Munirka, New Delhi-110067

## IIHMR University Faculty Mentor Approval

This is to certify that Mr. Girishsingh Dilipsingh Sengar of the academic year 2023-25 of **INSTITUTE OF HEALTH MANAGEMENT RESEARCH** has prepared poster with respect to his summer internship held during May-July 2024.

He has carried out work as per the guidelines. His poster is approved for presentation.

Date: 22/07/2024

A handwritten signature in black ink, appearing to read 'Dr. Mahender Kumar', written over a horizontal line.

Dr. (Col) Mahender Kumar

**Professor**

# Participatory Management in Healthcare Systems : A strategy for achieving SDGs – A Systematic Review Of Process Outcomes



## BRIEF HISTORY AND INTRODUCTION

The National Institute of Health and Family Welfare (NIHFW), was established on 9th March, 1977 by the merger of two national level institutions, viz. the National Institute of Health Administration and Education (NIHAE) and the National Institute of Family Planning (NIFP). The NIHFW, an autonomous organization, under the Ministry of Health and Family Welfare, Government of India, acts as an 'apex technical institute' as well as a 'think tank' for the promotion of health and family welfare programmes in the country

## VISION

NIHFW is to be seen as an institute of global repute in public health & family welfare management

## MISSION

To act as think tank, catalyst & innovator for management of public health and related health & family welfare programmes by pursuing multiple functions of education & training ,research& evaluation.

## Strengths

Expertise and Experience  
Comprehensive Training and Education  
Advanced Research Facilities  
Pioneering Health Informatics  
Policy Influence

## Weakness

Resource constraints  
Bureaucratic Hurdles  
Scalability Issues  
Dependence on External Funding

## Opportunities

Digital Health Expansion  
International Collaborations  
Policy Advocacy  
Enhancing Distance Learning

## Threats

Policy Changes  
Regulatory Challenges  
Technological Advances  
Funding Competition

## Theoretical understanding

Knowledge of research methodologies, Principle of conducting systemic reviews and meta analysis, Health informatics, public health policies , regulatory compliance & authorities, health care systems .

## Practical exposure at SIP Organisation

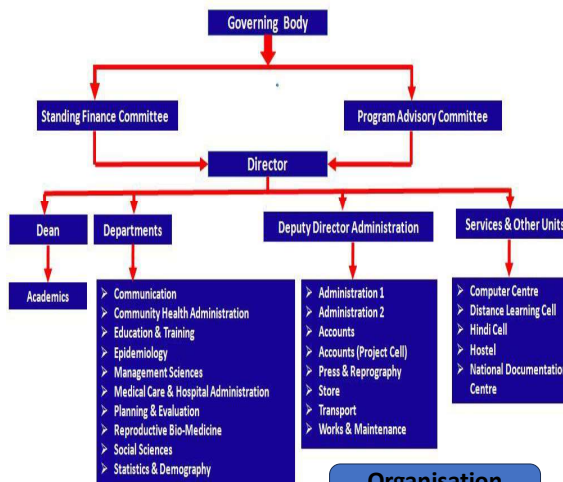
Gained hands on experience in conducting systematic review in healthcare, working closely with experts in understandings of public healthcare systems , health informatics and policy development

## Challenges faced during internship

Lack of Access to research data.  
Limited opportunities in getting practical exposure in departments like CHI, National cold chain systems, NHSRC.  
Permission to use NIHFW data were often difficult to obtain, hindering comprehensive research and analysis.

## Learning during internship

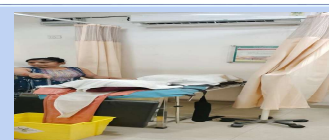
Hands on experience in Health Research, Exposure to Health Informatics, Participatory Management in Healthcare, Practical training and skill enhancement, Understanding policy and Advisory roles, Capacity building and Professional Development, Professional skills development, preparation for future Research and Publication



## Organisation Structure

## SUGGESTION

Improve data access to researcher and interns, provide more practical exposure opportunities in departments like CHI, National cold chain systems. Expands training programs, Enhanced Digital Infrastructure, Foster Interdepartmental Collaboration



Orientation of Skills lab



Orientation of NCCVMRC

## Presented by

Name-Girishsingh D. Sengar  
Faculty Mentor – Dr.(col) Mahender Kumar  
Roll No.-1711  
Batch – 28<sup>th</sup> (HM)

**Name of the Organisation: NIHFW**

**Area/ Department/ Project of Summer Internship Program: Department of Social Science**

**Name of the Student: Girishsingh Sengar**

**Roll no: 1711**

**Stream: HM 28**

**Week no: 1**

**From: 1<sup>st</sup> may to 7<sup>th</sup> may**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Activity Done</b> | <ul style="list-style-type: none"><li>• <b>Introduction and Topic Selection:</b><ul style="list-style-type: none"><li>• Met with mentor Dr. A.M. Elizabeth.</li><li>• Received an overview of NIHFW's mission, vision, and research initiatives.</li><li>• Tasked with identifying a research topic aligning with NIHFW's priorities.</li></ul></li><li>• <b>Research Exploration and Selection:</b><ul style="list-style-type: none"><li>• Conducted a literature review to identify gaps in public health research.</li><li>• Explored NIHFW's ongoing projects and publications.</li><li>• Consulted with colleagues and experts for insights.</li><li>• Selected a research topic aligned with NIHFW's priorities and personal academic interests.</li></ul></li></ul> |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Linking theory (Classroom learning) with practice at your organisation</b></p> | <ul style="list-style-type: none"> <li>• <b>Classroom Learning:</b> Knowledge from coursework in public health, research methodology, and participatory management.</li> <li>• <b>Application at NIHFW:</b> Applied theoretical knowledge to identify relevant research topics and methodologies. Engaged in critical discussions and literature reviews, which are core components of academic training.</li> </ul>                                                 |
| <p><b>Gaps identified on the working area.</b></p>                                   | <ul style="list-style-type: none"> <li>• <b>Data Accessibility:</b> Limited access to certain datasets and real-time information.</li> <li>• <b>Interdepartmental Coordination:</b> Challenges in seamless communication and collaboration across different departments.</li> <li>• <b>Resource Constraints:</b> Limited resources for extensive field research</li> </ul>                                                                                           |
| <p><b>Suggestions for improvement</b></p>                                            | <ul style="list-style-type: none"> <li>• <b>Enhanced Data Access:</b> Implement systems to improve data availability and sharing within the institute.</li> <li>• <b>Improved Communication:</b> Foster better interdepartmental communication and collaboration through regular meetings and integrated project management tools.</li> <li>• <b>Resource Allocation:</b> Increase funding and resources dedicated to field research and data collection.</li> </ul> |

**Name of the Organisation: NIHFW**

**Area/ Department/ Project of Summer Internship Program: Department of Social Science**

**Name of the Student: Girishsingh Sengar**

**Roll no: 1711**

**Stream: HM 28**

**Week no: 2**

**From: 6<sup>th</sup> may to 11<sup>th</sup> may**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Activity Done</b> | <ul style="list-style-type: none"><li>• <b>Refinement of Research Scope:</b><ul style="list-style-type: none"><li>• Discussions with Dr. Elizabeth to finalize research questions and objectives.</li><li>• Defined inclusion and exclusion criteria for the literature review.</li></ul></li><li>• <b>Preliminary Literature Review:</b><ul style="list-style-type: none"><li>• Conducted searches on PubMed, Scopus, and Google Scholar.</li><li>• Identified and summarized key articles and reports.</li></ul></li><li>• <b>Development of Research Plan:</b><ul style="list-style-type: none"><li>• Drafted research methodology and created a timeline.</li><li>• Adjusted the research plan based on Dr. Elizabeth's feedback.</li></ul></li><li>• <b>Coordination and Collaboration:</b><ul style="list-style-type: none"><li>• Attended weekly team meetings for progress updates.</li><li>• Engaged in discussions on the implications of participatory management on SDGs.</li></ul></li></ul> |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Linking theory (Classroom learning) with practice at your organisation</b> | <ul style="list-style-type: none"> <li>• <b>Classroom Learning:</b> Theoretical knowledge of research methodology, public health principles, and participatory management.</li> <li>• <b>Practical Application:</b> Applied this knowledge to refine research questions, conduct literature reviews, and develop a research plan.</li> </ul>                                                                                                                 |
| <b>Gaps identified on the working area.</b>                                   | <ul style="list-style-type: none"> <li>• <b>Limited Availability of Recent Studies:</b> Difficulty in finding recent studies specifically linking participatory management with SDG outcomes.</li> <li>• <b>Balancing Research Focus:</b> Challenge in maintaining a balance between broad and specific aspects of the research topic.</li> </ul>                                                                                                            |
| <b>Suggestions for improvement</b>                                            | <ul style="list-style-type: none"> <li>• <b>Expand Literature Search:</b> Include grey literature, government reports, and case studies to fill gaps in recent studies.</li> <li>• <b>Regular Consultations:</b> Continue regular consultations with mentors to ensure alignment and focus on impactful research areas.</li> <li>• <b>Enhanced Data Access:</b> Implement systems to improve data availability and sharing within the institute..</li> </ul> |

**Name of the Organisation: NIHFW**

**Area/ Department/ Project of Summer Internship Program: Department of Social Science**

**Name of the Student: Girishsingh Sengar**

**Roll no: 1711**

**Stream: HM 28**

**Week no: 3**

**From: 13<sup>st</sup> may to 18<sup>th</sup> may**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Activity Done</b> | <ul style="list-style-type: none"><li>• <b>Systematic Review Process:</b><ul style="list-style-type: none"><li>• Conducted comprehensive searches across multiple academic databases.</li><li>• Screened identified articles based on the established inclusion and exclusion criteria.</li><li>• Created a detailed database of selected articles, including key findings, methodologies, and outcomes.</li></ul></li><li>• <b>Literature Review Enhancement:</b><ul style="list-style-type: none"><li>• Reviewed additional grey literature, government reports, and case studies.</li><li>• Summarized critical insights and identified patterns and trends.</li><li>• Began synthesizing the literature to construct a coherent narrative.</li></ul></li><li>• <b>Drafting the Methodology Section:</b><ul style="list-style-type: none"><li>• Outlined the research methodology, including data collection techniques and analysis methods.</li><li>• Drafted the initial version of the methodology section and made necessary revisions based on</li></ul></li></ul> |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                        | <p>feedback.</p> <ul style="list-style-type: none"> <li>• <b>Expert Consultations:</b> <ul style="list-style-type: none"> <li>• Conducted interviews with experts in participatory management and healthcare systems.</li> <li>• Incorporated expert feedback into the research framework and methodology.</li> </ul> </li> </ul>                                                                                               |
| Linking theory (Classroom learning) with practice at your organisation | <ul style="list-style-type: none"> <li>• <b>Classroom Learning:</b> Concepts of systematic reviews, data synthesis, and qualitative research methods.</li> <li>• <b>Practical Application:</b> Applied these concepts to conduct a systematic review, develop a methodology, and engage with experts for feedback.</li> </ul>                                                                                                   |
| Gaps identified on the working area.                                   | <p><b>Data Management:</b> Managing a large volume of literature and ensuring comprehensive coverage.</p> <p><b>Integration of Diverse Perspectives:</b> Difficulty in integrating diverse perspectives and findings into a cohesive review.</p>                                                                                                                                                                                |
| Suggestions for improvement                                            | <ul style="list-style-type: none"> <li>• <b>Enhanced Data Management:</b> Implement a systematic approach to categorize and prioritize articles using reference management tools.</li> <li>• <b>Structured Framework for Synthesis:</b> Develop a structured framework for synthesizing literature, focusing on key themes and outcomes. Regularly consult with mentors and experts to ensure clarity and coherence.</li> </ul> |

**Name of the Organisation: NIHFW**

**Area/ Department/ Project of Summer Internship Program: Department of Social Science**

**Name of the Student: Girishsingh Sengar**

**Roll no: 1711**

**Stream: HM 28**

**Week no: 4**

**From: 20<sup>th</sup> may to 25<sup>th</sup> may**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Activity Done</b> | <p><b>Completion of Systematic Review.</b></p> <p><b>Drafting the Results Section:</b></p> <ul style="list-style-type: none"><li>Summarized key findings from the systematic review, highlighting the impact of participatory management on healthcare outcomes and SDG attainment.</li></ul> <p><b>Preparation of Mid-Point Presentation:</b></p> <ul style="list-style-type: none"><li>Developed a presentation summarizing the research progress, including objectives, methodology, and preliminary findings.</li></ul> <p><b>Continued Expert Consultations:</b></p> <ul style="list-style-type: none"><li>Engaged with additional experts to validate findings and gather further insights</li></ul> <p><b>MCTFC Call Center Orientation:</b></p> <ul style="list-style-type: none"><li>Attended an orientation session on the MCTFC call center to understand its role in tracking and facilitating maternal and child health services.</li></ul> |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                        | <ul style="list-style-type: none"> <li>• Learned about the implementation of participatory management strategies within the call center operations.</li> <li>• Gained practical insights into the challenges and successes of participatory management in real-world healthcare settings.</li> </ul>                                                                                                                          |
| Linking theory (Classroom learning) with practice at your organisation | <ul style="list-style-type: none"> <li>• <b>Classroom Learning:</b> Theoretical knowledge of systematic reviews, data synthesis, and qualitative research methods.</li> <li>• <b>Practical Application:</b> Applied these concepts to conduct a systematic review, develop a methodology, engage with experts for feedback, and observe participatory management practices at the MCTFC call center.</li> </ul>               |
| Gaps identified on the working area.                                   | <ul style="list-style-type: none"> <li>• <b>Data Management:</b> Managing a large volume of literature and ensuring comprehensive coverage.</li> <li>• <b>Integration of Diverse Perspectives:</b> Difficulty in integrating diverse perspectives and findings into a cohesive review.</li> </ul>                                                                                                                             |
| Suggestions for improvement                                            | <ul style="list-style-type: none"> <li>• <b>Enhanced Data Access:</b> Implement systems to improve data availability and sharing within the institute.</li> <li>• <b>Improved Communication:</b> Foster better interdepartmental communication and collaboration through regular meetings and integrated project management tools.</li> <li>• <b>Resource Allocation:</b> Increase funding and resources dedicated</li> </ul> |

|  |                                        |
|--|----------------------------------------|
|  | to field research and data collection. |
|--|----------------------------------------|

**Name of the Organisation: NIHFW**

**Area/ Department/ Project of Summer Internship Program: Department of Social Science**

**Name of the Student: Girishsingh Sengar**

**Roll no: 1711**

**Stream: HM 28**

**Week no: 5**

**From:3<sup>rd</sup> June to 7<sup>th</sup> June**

|                                                                               |                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Activity Done</b>                                                          | <ul style="list-style-type: none"><li>• Attended orientations about the Cold Chain Management Department, NTAGI project, and Saksham Lab.</li><li>• Continued research work on participatory management in healthcare systems, including literature review, data extraction, and case study analysis.</li></ul>                                    |
| <b>Linking theory (Classroom learning) with practice at your organisation</b> | <ul style="list-style-type: none"><li>• Applied theoretical knowledge of health informatics and participatory management from academic coursework to real-world settings and research at NIHFW.</li><li>• Utilized skills from classroom training to analyze case studies and develop a systematic review methodology.</li></ul>                   |
| <b>Gaps identified on the working area.</b>                                   | <ul style="list-style-type: none"><li>• Limited integration of practical training modules in routine healthcare practice observed during skills lab orientation.</li><li>• Need for more comprehensive and updated data sources to support health informatics research.</li><li>• Lack of exposure to intern with CHI practice exposure.</li></ul> |

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suggestions for improvement</b> | <ul style="list-style-type: none"><li>•<b>Enhanced Data Access:</b> Implement systems to improve data availability and sharing within the institute.</li><li>•<b>Improved Communication:</b> Foster better interdepartmental communication and collaboration through regular meetings and integrated project management tools.</li><li>•<b>Resource Allocation:</b> Increase funding and resources dedicated to field research and data collection.</li></ul> |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Name of the Organisation: NIHFW**

**Area/ Department/ Project of Summer Internship Program: Department of Social Science**

**Name of the Student: Girishsingh Sengar**

**Roll no: 1711**

**Stream: HM 28**

**Week no: 6**

**From: 10<sup>th</sup> June to 14<sup>th</sup> June**

|                                                                               |                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Activity Done</b>                                                          | <ul style="list-style-type: none"><li>• Completed orientation sessions about the skills lab and Center for Health Informatics (CHI) at NIHFW.</li><li>• Continued research work on participatory management in healthcare systems, including literature review, data extraction, and case study analysis.</li></ul>                          |
| <b>Linking theory (Classroom learning) with practice at your organisation</b> | <ul style="list-style-type: none"><li>• Applied theoretical knowledge of immunization logistics and health informatics from academic coursework to real-world settings and projects at NIHFW.</li><li>• Utilized classroom concepts of participatory management and systematic review methodologies in ongoing research activities</li></ul> |
| <b>Gaps identified on the working area.</b>                                   | <ul style="list-style-type: none"><li>• Limited integration of real-time data analytics in the Cold Chain Management Department to proactively address temperature excursions.</li><li>• Need for enhanced dissemination of NTAGI recommendations to local healthcare providers to ensure uniform implementation.</li></ul>                  |

|                                           |                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Suggestions for improvement</b></p> | <ul style="list-style-type: none"> <li>• Implement advanced real-time data analytics and monitoring systems in the Cold Chain Management Department to prevent vaccine wastage.</li> <li>• Strengthen communication channels and training programs to ensure local healthcare providers are well-informed about NTAGI guidelines and their importance in immunization practices.</li> </ul> |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Name of the Organisation: NIHFW**

**Area/ Department/ Project of Summer Internship Program: Department of Social Science**

**Name of the Student: Girishsingh Sengar**

**Roll no: 1711**

**Stream: HM 28**

**Week no: 7**

**From: 17<sup>th</sup> June to 21<sup>st</sup> June**

|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Activity Done</b>                                                          | <ul style="list-style-type: none"><li>• Finalized the research report, including comprehensive documentation, writing of findings, and formulation of recommendations.</li><li>• Conducted detailed referencing and ensured all sources were accurately cited.</li><li>• Attended orientations on distance learning and PGDM (Post Graduate Diploma in Management) courses offered by NIHFW.</li><li>• Reviewed and refined the entire report based on feedback from Dr. A.M. Elizabeth and peers.</li></ul> |
| <b>Linking theory (Classroom learning) with practice at your organisation</b> | <ul style="list-style-type: none"><li>• Applied academic skills in systematic review and research methodologies to complete the final report.</li><li>• Utilized theoretical knowledge of healthcare management and participatory strategies to analyze data and draw meaningful conclusions.</li><li>• Explored how distance learning and PGDM courses at NIHFW integrate theoretical knowledge with practical applications in public health and healthcare</li></ul>                                       |

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                             | management.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gaps identified on the working area.</b> | <ul style="list-style-type: none"> <li>• Challenges in accessing some recent studies and data sources relevant to participatory management in healthcare systems.</li> <li>• Limited practical examples and case studies available in certain regions to support the research findings.</li> <li>• Distance learning courses could benefit from more interactive and practical modules to enhance engagement and practical learning.</li> </ul> |
| <b>Suggestions for improvement</b>          | <ul style="list-style-type: none"> <li>• Establish partnerships with more academic and research institutions to gain access to a broader range of studies and data.</li> <li>• Enhance the distance learning and PGDM courses by incorporating more hands-on projects, case studies, and interactive sessions to bridge the gap between theory and practice.</li> </ul>                                                                         |

**Name of the Organisation: NIHFW**

**Area/ Department/ Project of Summer Internship Program: Department of Social Science**

**Name of the Student: Girishsingh Sengar**

**Roll no: 1711**

**Stream: HM 28**

**Week no: 7**

**From: 24<sup>th</sup> June to 28<sup>th</sup> June**

|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Activity Done</b>                                                          | <ul style="list-style-type: none"><li>• Obtained final approval for the research report on "Participatory Management in Healthcare Systems: A Key Strategy for Achieving SDGs - A Systematic Review of Process Outcomes" from Dr. A.M. Elizabeth.</li><li>• Engaged in consultations regarding the publication of the research paper in relevant academic journals.</li><li>• Completed all required documentation and formalities related to the research report.</li><li>• Received the certificate of completion for my internship at NIHFW.</li></ul> |
| <b>Linking theory (Classroom learning) with practice at your organisation</b> | <ul style="list-style-type: none"><li>• Demonstrated the application of research methodologies and systematic review techniques learned in academic settings to produce a comprehensive research report.</li><li>• Utilized theoretical concepts of participatory management and healthcare systems to analyze data and formulate evidence-based recommendations.</li><li>• Applied knowledge of academic publishing processes, including</li></ul>                                                                                                       |

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                    | <p>preparing manuscripts and understanding publication guidelines, as part of consultations for publishing the research paper.</p>                                                                                                                                                                                                                                                                                                                                                            |
| <p><b>Gaps identified on the working area.</b></p> | <ul style="list-style-type: none"> <li>• The need for additional support and resources for early-career researchers to navigate the academic publishing process.</li> <li>• Limited opportunities for practical exposure to the publication process during the initial phases of research training.</li> <li>• Potential improvements in the internship program to include more structured guidance on academic writing and publishing.</li> </ul>                                            |
| <p><b>Suggestions for improvement</b></p>          | <ul style="list-style-type: none"> <li>• Develop mentorship programs specifically aimed at guiding early-career researchers through the academic publishing process.</li> <li>• Integrate more practical workshops and training sessions on academic writing and publication into the internship curriculum. Establish a resource center at NIHFW to provide access to publishing tools, templates, and examples of successful research papers to support interns and researchers.</li> </ul> |

## Compiled Report (Anenexure F)

**Name of the Organisation: National Institute Of Healthcare And Family Welfare (NIHFW)**

**Area/ Department/ Project of Summer Internship Program: Department of Social Science**

**Name of the Student: Girishsingh D. Sengar**

**Roll no: 1711**

**Stream: HM 28**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Activity Done</b> | <ul style="list-style-type: none"><li>• Orientation and introduction to NIHFW.</li><li>• Observation of various working areas of NIHFW.</li><li>• Understanding of Key departments and Project at NIHFW</li><li>• Orientation to various departments and Project running at NIHFW.</li><li>• Conducted a literature review to identify gaps in public health research</li><li>• Research on Project topic participatory management in healthcare system: A key strategy for achieving SDGs-a systematic review of process outcomes. Under the guidance of Dr. A.M.Elizabeth industry mentor at NIHFW.</li><li>• Conducted searches on PubMed, Scopus, and Google Scholar.</li><li>• Identified and summarized key articles and reports.</li><li>• Attended an orientation session on the MCTFC call center to understand its role in tracking and</li></ul> |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                      | <p>facilitating maternal and child health services</p> <ul style="list-style-type: none"> <li>• Attended orientations about the Cold Chain Management Department, NTAGI project, and Saksham Lab.</li> <li>• Attend orientation sessions about the skills lab and Center for Health Informatics (CHI) at NIHFW.</li> <li>• Obtained final approval for the research report on "Participatory Management in Healthcare Systems: A Key Strategy for Achieving SDGs - A Systematic Review of Process Outcomes" from Dr. A.M. Elizabeth.</li> <li>• Engaged in consultations regarding the publication of the research paper in relevant academic journals.</li> <li>• Completed all required documentation and formalities related to the research report.</li> </ul> |
| <p><b>Linking theory (Classroom learning) with practice at your organisation</b></p> | <ul style="list-style-type: none"> <li>• During my internship, I had the opportunity to apply theoretical knowledge gained from classroom learning to practical scenarios at NIHFW. The orientations and hands-on experiences in different departments provided insights into the real-world applications of health informatics, cold chain management, and participatory management in healthcare systems.</li> </ul>                                                                                                                                                                                                                                                                                                                                             |

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                             | <ul style="list-style-type: none"> <li>• Examples of Theory-Practice Linkage</li> <li>• Health Informatics: Understanding the integration of EHR systems and telemedicine in improving patient care.</li> <li>• Cold Chain Management: Learning about the logistics and monitoring techniques to maintain vaccine efficacy.</li> <li>• Participatory Management: Applying theories of participatory management to analyze case studies and review process outcomes</li> </ul>                                                                                                                                                                                                                                                                                       |
| <b>Gaps identified on the working area.</b> | <p>Gaps Identified in Working Areas<br/>Despite the extensive training and exposure, several gaps were identified during my internship at NIHFW:</p> <ul style="list-style-type: none"> <li>• Lack of Access to Research Data :<br/>Interns often faced challenges in accessing research data, limiting the scope of practical experience and analysis.</li> <li>• Limited Practical Experience:<br/>Opportunities for hands-on experience in departments like CHI, National Cold Chain System, and NHSRC were limited, restricting the practical application of theoretical knowledge.<br/>Can provide more learning and practical sessions for interns in center for health informatics like department to give more exposure to interns in this area.</li> </ul> |

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                    | <ul style="list-style-type: none"> <li>• <b>Restrictions on Data Usage:</b><br/>Permissions to use NIHFW data were often difficult to obtain, hindering comprehensive research and analysis.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Suggestions for improvement</b> | <p>To enhance the internship experience and address the identified gaps, the following suggestions are proposed:</p> <ul style="list-style-type: none"> <li>• <b>Improve Data Access :</b><br/>Facilitate easier access to research data for interns to enhance their learning and research capabilities.</li> <li>• <b>Increase Hands-On Opportunities :</b><br/>Provide more practical training opportunities in departments like CHI, National Cold Chain System, and NHSRC to bridge the gap between theory and practice.</li> <li>• <b>Increase exposure and opportunities to interns in provide more learning and practical sessions in center for health informatics like department to give more exposure to interns in this area.</b></li> <li>• <b>Streamline Permissions :</b><br/>Simplify the process for obtaining permissions to use NIHFW data, enabling more comprehensive research and analysis.</li> </ul> |

