

SUMMER INTERNSHIP PROGRAM

at

JHPIEGO

Maternal and Child Health

From 01/05/2024 to 30/06/2024

A REPORT BY

Soumya Prasad

Master of Business Administration

(Health and Hospital Management)

2023-2025

Under the Mentorship of

Dr.(Col) Mahender Kumar.



The IIHMR University, Jaipur.

July 02, 2024

CERTIFICATE OF INTERNSHIP

This is to certify that Ms. Soumya Prasad has completed her internship with Jhpiego from May 01, 2024 till June 30, 2024.

She interned at Jaipur, Rajasthan location. She provided concurrent research (quantitative and qualitative) and documentation support for ongoing and future initiatives in anti-natal care, conducted literature/desk review for assigned research reports and manuscripts, and participated in various ongoing and new research projects by providing support in designing methodology and report writing and editing. She also supported in data extraction, cleaning and analysis for reporting and manuscripts, and organized knowledge resources and facilitate dissemination of resources.

Soumya's performance was good and she was able to accomplish the assigned tasks timely and successfully. She worked diligently during this period and displayed positive attitude and effective interpersonal, communication and professional skills.

I wish her success in life.

On behalf of Jhpiego

Vidya Tulsidharan

Ms. Vidya Tulsidharan
Director: HR

IIHMR University Faculty Mentor Approval

This is to certify that Ms. Soumya Prasad of the academic year 2023-25 of Institute of Health Management Research has prepared a poster concerning her summer internship held from 1st May – 30th June 2024.

She has carried out work as per the guidelines. Her poster is approved for presentation.

Date: 20/07/2024

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

Dr. (Col) Mahender Kumar
Professor

TRENDS IN INTRAPARTUM CARE AMONG DIFFERENT SOCIAL GROUPS: IDENTIFICATION OF MONITORING GAPS AND STILL BIRTH USING PRASAV WATCH APPLICATION DATA

Presented by: Soumya Prasad
1852 MBA HM 28

Faculty Mentor: Dr (Col) Mahender Kumar
Organization Mentor: Rovin Sharma

ABOUT JHPIEGO

Jhpiego is a nonprofit organization dedicated to global health that is connected to Johns Hopkins University. It was founded by Dr. Theodore M. King in 1973. It is active in more than 40 nations. It started operating in India in the late 1980s with a major emphasis on Maternal and Child Health, it has been crucial in developing public health.

VISION & MISSION

Nations that can support themselves, strong families and resilient communities. All women and families should have equal access to high-quality, life-saving healthcare provided by qualified and compassionate healthcare professionals, regardless of where they reside.

Jhpiego develops and provides innovative, life-saving healthcare treatments. Jhpiego develops system that saves lives now and ensure healthier futures for women and their families by collaborating with national government, health specialists and local communities.

ORGANIZATION STRUCTURE



PRASAV WATCH APPLICATION

The Prasav Watch application is a tablet based "Intrapartum and immediate postpartum monitoring and decision support tool" that helps labour room attendants remain vigilant and make decisions for handling high-risk situations and delivering services on schedule. The programme records information about women who are admitted to the hospital for childbirth at different points during their stay, from admission to release.

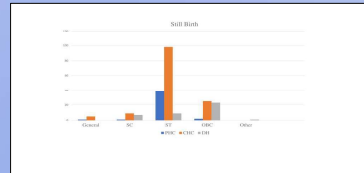
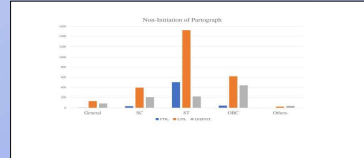
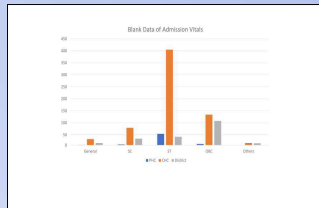
OBJECTIVE

To identify monitoring gaps, partograph utilization and still birth among different social groups.

METHODOLOGY

- Data Source- Prasav Watch Application.
- Data Type - Secondary data, covering intrapartum information from admission to discharge.
- Study Area- Primary Health Centre, Community Health Centre and District Hospital of Bundi, Karoli and Udaipur.
- Sample size- 18982

FINDINGS



RESULTS

When interpreting monitoring gaps and still birth among various social groups, Scheduled Tribes were identified as experiencing the highest rates. Suggesting towards disparities in healthcare access and indicating possible neglect by healthcare providers and insufficient basic facilities for these communities.

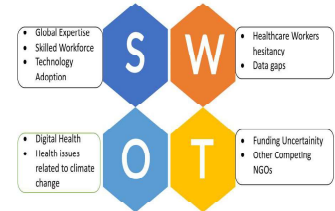
PRACTICAL EXPOSURE & THEORETICAL UNDERSTANDING

- In digital health we studied about technologies, their benefits and limitations. In practical exposure we got to know about practical on ground issues such as digital literacy, network issues and behavioural issues in the implementation of IoT devices which provided a more grounded understanding.
- In National Health Policy we read about schemes like the Janani Suraksha Yojana as robust strategies designed to improve maternal and child health. In practical exposure at the ground level often reveals a stark contrast highlighting challenges such as administrative inefficiencies.
- In health policy and healthcare delivery system we studied about the building blocks of the health system which is crucial for improving health outcomes. This includes ensuring a competent health workforce and access to timely, accurate health information for decision makers. Practical exposure reinforced these concepts and also highlighted on ground barriers like healthcare provider's incompetency and data issues which is crucial to be tackled for managing high-risk pregnancies effectively.

CHALLENGES

- Challenges related to experience:-
-Less proficiency in technical skills.
-Limited field visits.
- Challenges related to work:-
-Dialect variations among the healthcare providers.
-Inconsistent and blank dataset.

SWOT ANALYSIS



LEARNINGS

- Gained insight into the application of the Prasav Watch application in intrapartum care.
- Understood health disparities, including the impact of socioeconomic factors on healthcare services.
- Through thematic analysis, gained insights into the strengths and weaknesses of IoT device implementation in healthcare.
- Enhanced abilities in analyzing extensive datasets and identifying trends through visualization.

USEFULNESS

- Gained an understanding of the operations of a public health organization.
- Gained insight into the roles of public health professionals.
- Developed skills like time management, data interpretation, technical and interpersonal skills through practical experience.

SUGGESTIONS

- Implement regular audits and checks to ensure data completeness and accuracy.
- Provide ongoing training sessions for healthcare providers on digital literacy
- Offer training in cultural competence to healthcare providers and initiate behavior change efforts aimed at promoting respectful and effective communication with patients.
- Address digital infrastructure gaps.
- Establish feedback mechanisms to solicit input from pregnant women, families on their experiences with the digitization of intrapartum care and incorporate it while implementing services.
- Apart from the above, it would be extremely helpful if along with orientation we got a little formal training in certain technical as well as managerial aspects of the department.

Reporting Format (Weekly)

Name of the Organisation: Jhpiego

Area/ Department/ Project of Summer Internship Program: Not assigned yet

Name of the Student: Soumya Prasad

Roll no: 1852

Stream: Health and Hospital Management

Week no: 1

From: 01/05/2024 to 03/05/2024

Activity Done	• Prepared document containing National Health Programmes(Communicable, Non Communicable, New Born, Adult, Elderly etc) with their respective reporting method (digital or manual) and incentive schemes to participants, community workers and volunteers from government website for differential care package. • Prepared two documents on Tuberculosis in Pregnancy, first document containing information on effects on mother and child, screening, diagnosis, general examination, history and management protocol at different levels and second document with the study of prevalence of Tuberculosis in pregnancy currently from government website and pubmed & embase (database of published literature) respectively. • Got acquainted with Prasav Watch and Born Healthy for Maternity Care.
Linking theory (Classroom learning) with practice at your organisation	• National Health Programme classes by Mamta Chauhan Ma'am and Varsha Tanu Ma'am got me acquainted with Programmes earlier. So, It was quite easy for me to prepare the document which strengthen my knowledge on the respective programmes.
Gaps identified on the working area.	• As I'm still in the learning stage and there has been three days only. So, I will mention about this later on as right now this is quite early.

Suggestions for improvement	Field visits are needed to get better understanding about the ground level scenario.
Plan for the next week	- Continue working on Document 2(Tuberculosis in Pregnancy prevalence). - Department will be assigned with their respective work.

Signature of the Student: Soumya Prasad.

Reporting Format (Weekly)

Name of the Organisation: Jhpiego

Area/ Department/ Project of Summer Internship Program: Not assigned yet

Name of the Student: Soumya

Prasad Roll no: 1852

Stream: Health and Hospital Management

Week no:2

From: 06/05/2024 to 10/05/2024.

Activity Done	• Made Questionnaire for Focus Group Discussion on the topic of barriers in assessing ANC services. • Interacted with Gunjot Ma'am and Supriyo Sir and gained insights about program implementation. • Got acquainted with ANC guidelines. • Got acquainted with life cycle of women and respective interventions from the perspective of public health. • Read about FCM and designed FAQs.
Linking theory (Classroom learning) with practice at your organisation	• The theoretical knowledge guided me in collecting relevant data, analyzing it and structuring documents effectively.
Gaps identified on the working area.	• Yet to be identified.
Suggestions for improvement	• Field visits should be conducted to understand program implementation along with its particularities.
Plan for the next week	• Presentation to be made on FCM guidelines and rest is yet to be assigned.

Signature of the Student: Soumya Prasad.

Reporting Format (Weekly)

Name of the Organisation: Jhpiego

**Area/ Department/ Project of Summer Internship Program:
Maternal and Child Health**

Name of the Student:Soumya Prasad

Roll no: 1852

Stream: Health and Hospital Management

Week no:3

From:13/05/2024 to 17/05/2024.

Activity Done	• Assisted in Intervention for Anaemia, Ferric Carboxymaltose. Read it's guidelines,made presentation and 50 Questionnaire on it. • Assisted in literature review on the topic of decreasing service in ANCs by midwives. • Assisted in literature review on the topic of Time Motion Study of Healthcare providers in Indian Context in ANCs. • Analysed why birth rate decreases between the month of June to August in Indian Context. • Analysed voice recordings of Interviews of Bundi and Udaipur and further classified them into focus group discussions and semi-structured interviews and identified the gap in the implementation of IOT devices. • Attended orientation of the current programmes, Born Healthy and ARS(Antenatal Risk Stratification) by Shivangi Ma'am. • Assisted in the literature review given by Anupama Ma'am on the topic of Cost effectiveness of Universal asymptomatic bacteriuria in pregnancy. • Analysed the available literatures and made an excel document on the topic with findings including literature details with it's result and outcome. • Got introduced with thematic analysis.
Linking theory (Classroom learning) with practice at your organisation	• Yes, I was able to relate it with classroom theory. Research methodology helped me a lot in conducting the literature review, and epidemiology was very useful in identifying the study design and its better analysis.
Gaps identified on the working area.	• While working I identified the need to have technical skills such as Stata for data management. Including such technical courses in the Curriculum will enhance technical and analytical skills at workplace.

	• While doing literature review I identified that a lot of things needs to be seen from the ground level. To counter this there is the need to incorporate practical exposure in the curriculum.
Suggestions for improvement	• Field visits should be conducted at programme implementation sites such as PHCs etc to impart students with practical knowledge so in future analysis can be done in a better way. • Technical skills such Stata, SPSS, Advanced Excel, Power BI etc should be there to enhance analytical thinking of the students.
Plan for the next week	• Practice Stata for data management. • Read about thematic analysis and prepare a PPT

Signature of the Student: Soumya Prasad.

Reporting Format (Weekly)

Name of the Organisation: Jhpiego

**Area/ Department/ Project of Summer Internship Program:
Maternal and Child Health**

Name of the Student: Soumya Prasad

Roll no: 1852

Stream: Health and Hospital Management

Week no:4

From:20/05/2024 to 24/05/2024

Activity Done	- Continued with assisting in Born Healthy 2.0 Programme by analysing available literatures on the topic of Cost-effectiveness of Universal asymptomatic bacteraemia screening in pregnancy. - Delved deeper into the process of thematic analysis, analyzing method for qualitative data. - Delved deeper into Stata, software for quantitative analysis. Explored data visualisation methods. - Undertook a comprehensive literature review of Panchayati Raj Institution in India. Delved into their historical evolution, the various reforms implemented over the years, and the multifaceted challenges they continue to face. - Conducted an extensive thematic analysis of semi-structured interviews and focus group discussions of healthcare providers of Bundi district and Udaipur city.
Linking theory (Classroom learning) with practice at your organisation	Yes, I was able to relate it with classroom theory. Research methodology helped me a lot in conducting the literature review, and epidemiology was very useful in identifying the study design and its better analysis.
Gaps identified on the working area.	- While working I identified the need to have technical skills such as Stata for data management. Including such technical courses in the Curriculum will enhance technical and analytical skills at workplace. - While doing literature review I identified that a lot of things needs to be seen from the ground level. To counter this there is the need to incorporate practical exposure in the curriculum.

Suggestions for improvement	• Field visits should be conducted at programme implementation sites such as PHCs etc to impart students with practical knowledge so in future analysis can be done in a better way. • Technical skills such Stata, SPSS, Advanced Excel, Power BI etc should be there to enhance analytical thinking of the students. • Access to softwares such as Stata should be provided to students through college only so that students will be to get hands on experience.
Plan for the next week	• Practice Stata for data management. • Rest will be decided later on.

Signature of the Student: Soumya Prasad.

Reporting Format (Weekly)

Name of the Organisation: Jhpiego

Area/ Department/ Project of Summer Internship Program: Maternal and Child Health.

Name of the Student: Soumya Prasad

Roll no: 1852

Stream: Health and Hospital Management

Week no:5

From:27/05/2023 to 31/05/2023

Activity Done	• Became well-acquainted with the Prasav Watch App, an innovative platform offering comprehensive 360 degree quality maternity care. Key features included real-time data entry, accurate record keeping and HRP tracking. • Got hands on experience in case registry and record maintenance in Prasav Watch App platform. • Explored IOT devices such as Haemoglobinometer, sphygmomanometer & glucometer used in Intrapartum Care. • Became well-acquainted with Stata. Did quantitative analysis of data collected from Bundi and Udaipur focused on the adoption of IOT devices. It examined the extent of its utilization, identifying regions with strong adoption and those with limited acceptance. • Investigated the latest update for the Prasav Watch app, including the availability of stands and tablets and did data cleaning. Additionally, assessed the development partnership and the current status of training programs. • Gained insights about Safe Childbirth Checklist from the Prasav Watch App.
Linking theory (Classroom learning) with practice at your organisation	• Yes, I was able to relate it with classroom theory. Research methodology helped me a lot in conducting the literature review, and epidemiology was very useful in identifying the study design and its better analysis. • NHP theories helped me in exploring various aspects of current national programmes for maternal care such as JSY.

Gaps identified on the working area.	• While working I identified the need to have technical skills such as Stata for data management. Including such technical courses in the Curriculum will enhance technical and analytical skills at workplace. • While doing literature review I identified that a lot of things needs to be seen from the ground level. To counter this there is the need to incorporate practical exposure in the curriculum.
Suggestions for improvement	• Field visits should be conducted at programme implementation sites such as PHCs etc to impart students with practical knowledge so in future analysis can be done in a better way. • Technical skills such Stata, SPSS, Advanced Excel, Power BI etc should be there to enhance analytical thinking of the students. • Access to softwares such as Stata should be provided to students through college only so that students will be to get hands on experience.
Plan for the next week	• Yet to decide.

Signature of the Student: Soumya Prasad.

Reporting Format (Weekly)

Name of the Organisation: Jhpiego

Area/ Department/ Project of Summer Internship Program: Maternal and Child Health

Name of the Student: Soumya Prasad

Roll no: 1852

Stream: Health and Hospital Management

Week no:6

From:03/06/2024 to 07/06/2024

Activity Done	• Performed comprehensive data mining analysis on HMSC approved projects. This in-depth study uncovered key details such as the year of approval, Principal Investigator, Funding Agency and heading of the project between the year January 2008- December 2012. Extracted the data and prepared evidence table from it. • Analysed different IEC material for Born Healthy Project currently implemented along 9 states in India in their own local language. • Assigned Individual project on the topic of “Does digital lead to better monitoring of vital parameters at the time of admission of PHCs and CHCs. • Analysed various maternal mortality indicators among the dataset of healthcare facilities across the state of Rajasthan with Prasav Watch App(designed for 360 degree maternal care) integration. • Did literature review on the allotted project in order to identify the variables.
Linking theory (Classroom learning) with practice at your organisation	• Yes, I was able to relate it with the classroom theory as the healthcare structure taught in Health care delivery system helped me in analysis of the individual projects assigned on PHCs and CHCs.
Gaps identified on the working area.	• While analysing the project I Identified the need to have in depth knowledge of the working Of PHCs and CHCs.

Suggestions for improvement	Field visits should be conducted at programme implementation sites such as PHCs etc to impart students with practical knowledge so in future analysis can be done in a better way.
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Signature of the Student: Soumya Prasad.

Reporting Format (Weekly)

Name of the Organisation: Jhpiego

**Area/ Department/ Project of Summer Internship Program:
Maternal and Child Health**

Name of the Student: Soumya Prasad

Roll no: 1852

Stream: Health and Hospital Management

Week no:7

From:10/06/2024 to 14/06/2024

Activity Done	• Conducted a comprehensive analysis of diverse vital parameters recorded at admission across Primary Health Centers (PHCs) and Community Health Centers (CHCs) in Bundi, Karauli, and Udaipur. This study assessed the feasibility and efficacy of digital methodologies used in the process, highlighting their potential in streamlining and enhancing the management of patient data within these healthcare facilities. • Assisted in creating a digital replica of the Mamta Card for Jhpiego, enhancing the tool's functionality for maternal and child health tracking. This initiative aimed to improve data management and accessibility for healthcare providers and beneficiaries. • Analysed various IEC materials of 9 different states across which Born Healthy Program is being implemented.
Linking theory (Classroom learning) with practice at your organisation	• Yes, I was able to relate it with the classroom theory as the healthcare structure taught in Health care delivery system helped me in analysis of the individual projects assigned on PHCs and CHCs. • Research Methodology helped me in identifying the study design.
Gaps identified on the working area.	• While analysing the project I Identified the need to have in depth knowledge of the working Of PHCs and CHCs.

Suggestions for improvement	• Field visits should be conducted at programme implementation sites such as PHCs etc to impart students with practical knowledge so in future analysis can be done in a better way. • Students should be encouraged to do literature review or research paper so that they get practical exposure towards writing papers.
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Signature of the Student: Soumya Prasad.

Reporting Format (Weekly)

Name of the Organisation:Jhpiego

Area/ Department/ Project of Summer Internship Program:
Maternal and Child Health

Name of the Student: Soumya Prasad

Roll no: 1852

Stream: Health and Hospital Management

Week no:8

From:17/06/2024 to 21/06/2024

Activity Done	• Conducted a comprehensive analysis of diverse vital parameters recorded at admission across Primary Health Centers (PHCs) and Community Health Centers (CHCs) in Bundi, Karauli, and Udaipur. This study assessed the feasibility and efficacy of digital methodologies used in the process, highlighting their potential in streamlining and enhancing the management of patient data within these healthcare facilities. • Did software transcription of semi-structured interviews and focus group discussions.
Linking theory (Classroom learning) with practice at your organisation	• Yes, I was able to relate it with the classroom theory as the healthcare structure taught in Health care delivery system helped me in analysation of the individual projects assigned on PHCs and CHCs. • Research Methodology helped me in identifying the study design.
Gaps identified on the working area.	• While analysing the project I Identified the need to have in depth knowledge of the working Of PHCs and CHCs.
Suggestions for improvement	• Field visits should be conducted at programme implementation sites such as PHCs etc to impart students with practical knowledge so in future analysis can be done in a better way. • Students should be encouraged to do literature review or research paper so that they get practical exposure towards writing papers. Guidance for this should also be provided.

Signature of the Student: Soumya Prasad.

Reporting Format (Weekly)

Name of the Organisation: Jhpiego

**Area/ Department/ Project of Summer Internship Program:
Maternal and Child Health**

Name of the Student: Soumya Prasad

Roll no: 1852

Stream: Health and Hospital Management

Week no:9

From:24/06/2024 to 28/06/2024

Activity Done	- Continued working on the project. Assessed different parameters. - Reported Internship report to the organization mentor. - Started working on the compiled report. - Started working on the poster.
Linking theory (Classroom learning) with practice at your organisation	Subjects such as NHP and Research Methodology were very helpful.
Gaps identified on the working area.	- Less proficiency in technical skills. - Less exposure to practical knowledge.
Suggestions for improvement	- Field visits should be conducted at programme implementation sites such as PHCs etc to impart students with practical knowledge so in future analysis can be done in a better way. - Students should be encouraged to do literature review or research paper so that they get practical exposure towards writing papers. Guidance for this should also be provided.

Signature of the Student: Soumya Prasad.

Compiled Reporting Format

Name of the Organisation: JHPIEGO

Area/Department/ Project of Summer Internship Program: Maternal and Child Health

Name of the Student: SOUMYA PRASAD

Roll no:1852

Stream: MBA HOSPITAL & HEALTH MANAGEMENT

Activity Done	• Created a comprehensive document on National Health Programmes and Tuberculosis in Pregnancy for differential care package. • Got acquainted with ANC guidelines and made a presentation on it. • Assisted in literature review on various topics: ➤ Decreasing services in ANCs by midwives. ➤ Time Motion Study of Healthcare providers in Indian Context. ➤ Cost effectiveness of Universal asymptomatic bacteriuria in pregnancy. ➤ Panchayati Raj Institution in 9 different states(Assam, Odisha, Jharkhand, Karnataka, MP, Rajasthan, Himachal Pradesh, Punjab and Maharashtra). ➤ Birth trends in India(month wise). • Got acquainted with Prasav Watch app and IOT devices for Intrapartum Care. • Prepared questionnaire on Ferric Carboxy Maltose(aneamia intervention) and barriers in assessing ANC services. • Analysed different IEC materials available on nutrition program. • Did manual transcription of the semi-structured interviews and focus group discussion for IOT devices.
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	• Did thematic analysis for the transcribed data. • Worked on the project that has been assigned to me Trends in Intrapartum Care among different social groups. Analysed it and identified different patterns. • Identified trends through Stata and Excel. • Created a comprehensive document on HMSC approved projects. • Assisted in creating a replica of the Mamta Card for Jhpiego.
Linking theory (Classroom learning) with practice at your organisation	• The understanding regarding the working of public health organization could be correlated to our classroom learning. • During NHP classes, I got the basic idea about the public health programmes. • During Hospital services I learned about the concept of turnaround time for patients in hospitals, emphasizing its critical role. While conducting secondary review on Time motion study of healthcare providers, the concepts are reinforced. • During Research Methodology I learned about the process of secondary review which helped me in narrowing down to relevant material while conducting literature review. • During Behaviour Change and Communication I learned about the concept of audience analysis and positioning which helped me in analysing the IEC material. I also related the importance of behaviour change with the indifferent behaviour that was found among healthcare providers towards particular marginalised social groups.

	• During Conflict and negotiation management I learned about how to work in diverse setting. It taught me to take calm actions such as Open and respectful communication and negotiating a solution. • During Digital Health I learned about the application of IOT devices in healthcare. When I learned about Prasav Watch functioning, it further reinforced the concepts taught in the class.
Gaps identified on the working area.	• Less practical exposure to PHCs, CHCs and DH which lead to confusion in the starting days of the internship. • Less proficiency in technical skills at the starting of internship. • Less practical exposure towards grass root level health workers such as ASHAs, ANMs, AWWs, LHVs etc. • Classroom learnings are well defined with clear solutions which compensates the thinking habit. For ex, we read about IOT devices but ground level implementation is having several real life barriers. Such case studies should be incorporated as much as possible in each and every module. • Assignments that are being given should be more engaging with practical exposure.

Suggestions for improvement	• Field visits should be conducted on a regular basis to gain insights about functionality of healthcare facilities. • Technical skills such as SPSS, Stata all these crucial courses should be introduced to Value Added Courses in order to equip students with practical skill sets. • Field visits to Anganwadis, Vaccination sites and programme implementation days such as VHND should be included in the courses. • Class activities such as real life case studies, role playing, review writing all these should be incorporated to enhance the overall practical learning. • Students must be encouraged and guided to pursue review writing. This will inculcate a thinking and analysing habit among the students.
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Signature of the Student: Soumya Prasad

Approved by the IIHMR University's Mentor