



GOVERNMENT OF INDIA

NATIONAL INSTITUTE OF PUBLIC HEALTH TRAINING AND RESEARCH

FINAL REPORT

**NATIONAL CONSULTATION
IN
MASTER OF PUBLIC HEALTH
(MPH)**

28th & 29th April 2021

NATIONAL INSTITUTE OF PUBLIC HEALTH TRAINING & RESEARCH

Mumbai Campus:- 332, S. V. P. Road, Khetwadi, Girgaon, Mumbai - 400 004.

Navi Mumbai Campus:- Plot no- 6 & 6A, Sector - 18, New Panvel, Navi Mumbai - 410 218.

ACKNOWLEDGEMENT

National Institute of Public Health Training and Research (NIPHTR) Mumbai would like to express Sincere gratitude to all who contributed in the national consultation meet for enriching the Model Course Curriculum of the MPH course.

We are thankful to our technical experts and panellists from various disciplines of Public Health for their expert opinion and valuable suggestions for improving the course curriculum. The eminent panelists for the online meet were Dr. Muzaffar Ahmad, Former Hon'ble Member, NDMA, Delhi; Dr. Harivansh Chopra, Professor, Community Medicine, Lala Lajpat Rai Memorial Medical College, Meerut; Dr. Arun Kumar Aggarwal, Professor, PGIMER, Chandigarh; Dr. S.K.Bhasin, Professor, Department of Community Medicine, UCMS and GTB Hospital, Delhi; Dr. Rajnarayan Tiwari, Director, National Institute for Research in Environmental Health, Bhopal; Dr. Mohan Doibale, Professor & Head, Dept of Community Medicine, GMC, Aurangabad; Dr. Gajanan Velhal, Professor & Head, Dept of Community Medicine, Seth G S Medical College, Mumbai; Dr. Nilesh Gawde, Assistant Professor, TISS, Mumbai; Dr. Manoj Murkhekar, Director, NIE, Chennai; Dr. Uday Narlawar, Professor & Head, Dept of Community Medicine, GMC, Nagpur; Dr. Aarti Bahl, Joint Director, NCDC, New Delhi.

Our appreciation and gratitude to Prof. Dr. Deepak Raut, Director, National Institute of Public Health Training and Research, Mumbai for his vision and efforts for starting MPH course at NIPHTR considering its increasing demand.

Our sincere thanks to Dr. Dhaval Thorat, Course coordinator for his efforts in planning and co-ordination for starting MPH course.

We are very grateful to all the faculties of NIPHTR for their contribution to the development of the course curriculum.

TABLE OF CONTENT

Sr. No.	Activities	Page No.
1.	Objectives of the National Consultation	4
2.	Introduction	5
3.	Objectives and Perspective of the course	6
4.	Technical Sessions	7
	Technical session- I 1. Presentation of the MPH course 2. Semester I 3. Panel discussion and Suggestions	7
	Technical session- II 1. Presentation of Semester II 2. Panel discussion and Suggestions	12
	Technical session- III 1. Presentation of Semester III 2. Panel discussion and Suggestions	16
	Technical session- IV 1. Presentation of Semester IV 2. Panel discussion and Suggestions	18
5.	Annexure 1. List of resource person 2. Technical programme schedule	21

OBJECTIVES OF NATIONAL CONSULTATION MEET

1. Orient the participants about the course.
2. Develop competent course curriculum relevant to the present Public Health need of the country.

INTRODUCTION

National Institute of Public Health Training and Research (NIPHTR) erstwhile Family Welfare Training and Research Centre, was established in western part of India at Mumbai in June 1957 under Union Ministry of Health and Family Welfare. It is one of the pioneering Central Training Institutes (C.T.I.) conducting in-service training for medical and paramedical personnel in important health issues to enhance their knowledge and skills for better delivery of health care services to attain Universal health Coverage and achieve Sustainable Development Goals (SDG'S).

The Healthcare Industry is growing enormously and has moved beyond the purview of medical skills of doctors and nursing personnel. The workloads, the medications, tests, grieving parents and relatives and add to that aging populations with complicated ailments and diseases, hospital employees struggle to cope with their daily tasks and add to it the management of the hospital, the job responsibility becomes humongous. Hence a specialized task force requiring skills in leadership, networking and management, interpretation of data, finance & information systems and good communication is required in Healthcare and Hospital Management.

Masters of Public Health programs are in demand from individuals with a range of academic and work backgrounds. In many countries the MPH degree is recognized as the benchmark academic credential for public health professionals. There is significant demand for public health professionals in India and abroad in the various areas of epidemiology, biostatistics, surveillance, environmental health management, and program planning and evaluation. Creation of a dedicated Public Health Cadre has been identified as one of the important pre-requisites in this direction. Greater emphasis on health promotion and disease prevention as a means to reduce the costs of care by improving the health of our populations has created a broad array of new opportunities for professionals with advanced training in public health. This course will be an attempt to prepare competent cadre of professionals who have a basic understanding of the various aspects of public health and are able to successfully apply this knowledge towards meeting public health challenges in Indian context.

OBJECTIVES OF THE COURSE

The course will help candidate to develop skills in the following areas:

1. Analytical and assessment skills for collecting and interpreting information.
2. Policy planning and development skills to address public health challenges.
3. Communication skills for advocacy, dissemination and evaluation of public health data and information.
4. Financial planning and management skills for running public health programs in the country.
5. Leadership skills.

At the end of the 2-years program, the PH Post-graduates are expected to demonstrate the following Broad Values in the context of Public Health:

1. Apply contemporary ideas to influence program organization and management, problem solving and critical thinking in public health domain.
2. Undertake operational research in institutional and field settings.
3. Work in socially, culturally and economically diverse populations by being attentive to needs of vulnerable and disadvantaged groups and be well versed with existing health systems.
4. Demonstrate qualities of leadership and mentorship.
5. Be an effective member of a multidisciplinary health team.
6. Demonstrate ethics and accountability at all levels (professional, personal and social).
7. Practice professional excellence, scientific attitude and scholarship.
8. Demonstrate social accountability and responsibility.
9. Be open to lifelong learning.

TECHNICAL SESSION-I

Presentation about course objectives, eligibility criteria, course outline, core modules, elective modules, semester-wise distribution of credits & teaching hours, internship, dissertation and general evaluation.

PANEL DISCUSSION AND SUGGESTIONS

Chairperson- Dr. Muzaffar Ahmad

Co-chairperson- Dr. Harivansh Chopra

Moderator- Dr. Deepak Raut

To start with the session Chairperson Dr Muzaffar Ahmad emphasized the need of trained manpower of Public Health specialist in view of current COVID -19 pandemic and future pandemics of various emerging and re-emerging diseases. He also said that various states like Karnataka, Telangana, Odisha and Shilong has already started Institutes of Public Health in their states. He congratulates Director, NIPHTR for starting MPH course at NIPHTR, Mumbai.

Co-chairperson Dr Harivansh Chopra also expressed his views saying that there are highly experts in the panel having huge experience of Public Health and inputs/ suggestions will be very helpful to design the curriculum. He also stressed that the graduates of MPH course should have the requisite skills of public health.

Dr. Arun Kumar suggested to discuss the eligibility criteria first so that accordingly curriculum may be discussed.

Dr. D.M. Thorat briefed about the background, various courses conducted at NIPHTR. Dr Thorat also presented rationale, unique features, objectives, eligibility criteria, duration, course outline and course modules with credit and hours distribution of MPH course.

Dr. Thorat informed that, MPH is a two-year duration regular course meant for graduates in health & allied sciences. It is divided into four semester of 6 months each including internship and dissertation. MPH course curriculum has been developed by MoHFW, GoI and same has been adopted by NIPHTR with few modifications. Curriculum has total 20 modules. Out of which, 15 are Core modules and 5 elective modules. There are 4 elective streams comprising 5 modules each. It has total 50 credits and approximately 1750 teaching hours. Semester-wise distribution of credits and teaching hours was presented in brief.

Director, NIPHTR requested all the panelist to give their recommendations on eligibility criteria. Following suggestions were offered by the Panelist: -

1. Dr. Arun Aggarwal-

- Eligibility criteria for MPH adopted by PGI, Chandigarh is medical graduates or equivalent postgraduates from other streams
- Non- medical candidates are hard to fit in MPH course
- He recommended that medical graduates and allied health sciences like

BDS/Ayurveda, Veterinary etc. to be considered for admission in MPH

2. Dr. Uday Narlawar-

- Agreed with view of Dr. Arun Aggarwal
- Govt of Maharashtra with MUHS Nashik conducting MPH Nutrition course for Health science graduates only

3. Dr. Aarti Bahl-

- NCDC has started MPH course in 2008 only for candidates having MBBS Degree.
- However, due to this criteria NCDC did not get enough candidates so the eligibility criteria was revived after consultation with DG, MoHFW and included Ayush, veterinary and paramedical streams.

4. Dr. Nilesh Gawde-

- The eligibility criteria for MPH conducted by TISS, Mumbai is 4 years degree for medical and allied health sciences and engineering which has now changed to graduation in any degree.
- UGC has no restrictions for the eligibility criteria for the various disciplines, so that institute can decide the eligibility criteria.

5. Dr. Tiwari-

- Many institutes are having more than 40 seats for MPH course, so NIPHTR also consider to increase the seats
- All the institutes should have the same eligibility criteria to avoid confusion.

6. Dr. S.K.Bhasin-

- Different criteria were adopted by various institutes, there is a need that national institutes like NIPHTR should create a standard eligibility criteria so that it could be followed by other institutes to create uniform system
- There is no harm to include graduates from other streams for MPH if they selected through a Common Entrance Test.

7. Director, NIPHTR-

- Appreciated and agreed with most of the views given by the panelist
- Prepared MPH curriculum at AIH&PH, Kolkata only for medical graduates, however over the years, the institute realized that it should not be limited to medical graduates only.
- In the current COVID pandemic people from various fields are contributing, so there should be no question of medical epidemiologist or non-medical epidemiologist as their expertise is needed
- Internationally, CDC also open for all streams for doing MPH. They have Medical Epidemiologist and Non-medical Epidemiologist.
- The candidates from various streams if directly or indirectly related to public health should be given opportunity.

- National apex institutes should frame the standards for MPH in the country.
- UGC has recommended MPH for all graduates, while MCI has not given recognition to MPH.
- As there are no Minimum Standard Requirement (MSR) of NMC available to start MPH course, hence, Medical Colleges are not starting MPH. Therefore, National institutes like NIPHTR should start MPH courses.
- Maharashtra University of Health Sciences (MUHS), Nashik has examined the Manpower and infrastructure of NIPHTR and willing to give affiliation for MPH at NIPHTR, Mumbai.

8. Dr Uday Narlawar-

- As MUHS, Nashik is conducting MPH-Nutrition, so criteria for two MPH courses under same university should not differ.

9. Dr. Harivansh Chopra- Co-Chairperson-

- To finalize the eligibility criteria, we should understand the objective of the course.
- Seems difficult for non-medical graduates to cope up with the curriculum.
- It will be good if course is restricted up to medical graduates.
- Under MUHS university, it will not be possible to keep two different criteria for two MPH courses.
- If NIPHTR wants to take approval from MCI in future then restrict eligibility to medical graduates only.
- Requested to give more clarity about elective modules.

10. Dr. Muzzafar Ahmed-

- As per the current scenario if MPH is open for all the streams, it will help to create manpower for National Health Mission and other National Health Programmes.
- As MPH is not equivalent to MD (Community Medicine), it is not good to restrict MPH to only medical graduates.
- Try to start with 20 seat capacity.
- Finally, MPH should be open for graduates other than medical graduates.

11. Director, NIPHTR-

- As public health is multidisciplinary, so we should allow all graduates to adopt MPH.
- MPH will produce medical epidemiologist with medical graduates and non-medical epidemiologist from other graduates.
- MBBS graduates have various options like MD, DPH and also have options for teaching, epidemiologist and public health specialist positions.

12. Dr Aggarwal-

- Differ with the opinion to allow the MPH course for graduates other than medical graduates as they do not have any medical background.

Director, NIPHTR then requested all panelist to take final consensus about the eligibility criteria, considering the need for trained Public Health personnel both from medical and non-medical background.

So, with the permission of chairperson and Co-chairperson it was decided that the eligibility criteria for MPH course will be as follows-

“Medical and Allied Health Science graduates should be eligible for MPH Course”

Director, NIPHTR stated that changes accepted in eligibility criteria will be informed to MUHS, Nashik in due course of time.

Then Dr. D.M. Thorat presented the detail course curriculum of first 6 core modules to be covered in Semester I.

Presentation of the 1st Semester-

1. Modules covered in Semester-I
2. Distribution of credits and teaching hours for each module
3. Detail content to be covered in each module
4. Pedagogy

SEMESTER I- Modules Covered (Core)

- 1. Principles and practice of Public Health-** Concept, Causation and Prevention of disease, Determinants of health, Health systems and health policy, Health equity, Environment & health and Public Health action
- 2. Introduction to health system and policy in Developing countries-** Organization & Structure, Policy analysis, Global and national health policies, factors that influence to policy change and Changing global health policy environment
- 3. Health Management: Management Principles and practices-** Health care managers and providers, Public Health Administration, Planning, implementation, Monitoring and Evaluation of health programs, principles & techniques of management, strategic management, Project management, logistics management, human resource management, Public Health Leadership
- 4. Basic Epidemiology-** Measurements, Incidence and prevalence, causation & association, study designs, Screening tests, surveillance, Outbreak investigation, Gastro-Intestinal Diseases, Respiratory Diseases, Arthropod borne Diseases, Surface infection
- 5. Basic Biostatistics-** Data, variable, central tendency, sampling, Type1 and type 2 error, P-value, Parametric and non-parametric test, Correlation, regression, statistical software

6. Demography and population sciences- Sources of demographic data, Factors affecting population, fertility, morbidity, mortality, Population growth and projection, Demographic transition, Life table, Population Policies and Programs

PANEL DISCUSSION AND SUGGESTIONS

After presentation various suggestions were given by the panelist as follows-

1. Dr. Muzzafar Ahmed-

- Most of the things are covered in the syllabus
- Should include Food-safety and security

2. Dr Arun Aggarwal-

- Clarification about the implementation of the modules in the semester is required
- Students of MPH should be posted at PHC/UHC/RHTC/ Sub-centers to understand the functioning of health system.

3. Dr. Nilesh Gawde-

- Need to increase credit for Health Management.
- In the Basic epidemiology – disease specific epidemiology should be limited to its concept and detail in-depth teaching may be covered in elective, module

4. Dr. Harivansh Chopra-

- Give basic knowledge about disease specific epidemiology in core modules

5. Dr Arun Kumar Aggarwal-

- Include all National Health Programmes in Semester I
- Will share the curriculum along with Internship structure and format of their institute with NIPHTR.

6. Dr. Muzzafar Ahmed

- Add National Health Programmes in detail
- Rest of the topics are fine
- Suggestions, if any may be communicated to NIPHTR by the panelist within 2 days
- Refer to the curriculum of PHFI

7. Director, NIPHTR-

- The modules will be implemented concurrently for which NIPHTR is in the process of microplanning.
- Credits will be modified as per the MUHS, Nashik norms.
- Agreed to most of the suggestions, informed about, RHTC at Aajivali PHC, where those MPH students will be posted to get exposure about functioning of CHC/PHC/SC, NHM and various National Health Programmes.

TECHNICAL SESSION II

Presentation of the 2nd Semester-

1. Modules covered in Semester-II
2. Distribution of credits and teaching hours for each module
3. Detail content to be covered in each module
4. Internship

SEMESTER II- Modules Covered (Core)

7. **Introduction to Health Economics-** Key concepts, micro and macro economics, Strategizing and prioritizing, demand, supply and costs, efficiency, effectiveness, equity, production, economic evaluation in health care.
8. **Health Promotions Approaches and Methods and Evaluation-** Scope, Social determinants, Communication strategies, Health promotion approaches, designing health promotion activity, implementation of health promotion program, evaluation, TV and other media as influencers
9. **Introduction to Financial Management and Budgeting-** Introduction, tools of financial analysis and planning, zero budgeting, cash flow, accounts, Effectiveness and efficiency, Health insurance
10. **Social and Behaviour Change and Effective Communication in Health-** Principles & basic concept of Sociology, Anthropology, Psychology, Behaviour and Culture,. Health and human behavior, IEC, IPC, BCC, SBCC, Advocacy, Communication & Social Mobilization, Public speaking, Consensus building, audio visual aid in communication

PANEL DISCUSSION AND SUGGESTIONS

Chairperson- Dr. Muzaffar Ahmad, Hon'ble Member, NDMA, Delhi.

Co-Chairperson- Dr. Harivansh Chopra Professor, Community Medicine LLRM Medical College, Meerut

1. Dr. Arun Aggarwal-

- Various topics of Health economics and Health financing are overlapping, so repetition to be avoided.
- Sociology and Health Promotion should be combined and to be included in one module
- Module on Communication to be added

2. Dr. Nilesh Gawde-

- Agreed with the views of Dr. Aggarwal
- Increase credit for Internship from 2 to 8 points as per UGC norms

- There should be clarity regarding structure of Internship with specific objectives..

3. Dr. S.K.Bhasin-

- Add Life style modification as suggested by AYUSH
- Yoga and meditation should be incorporated in Health Promotion.
- Health financing system under National Health Mission should added in Health Finance Management.

4. Dr. R.R.Tiwari-

- Duplicated topics to be removed to avoid overlapping
- Financial & Economic module should be combined.

5. Dr. Uday Narlawar-

- Internship- 3 months internship at the end of 4th Semester

6. Dr. Muzzafar Ahmed-

- Add Mental health in curriculum
- Add Public Health Emergencies
- Prepare Log book for Internship

7. Director, NIPHTR-

- Agreed to most of the suggestions given by the panelist.
- NIPHTR has added new concept of SBCC and ACSM in Health Promotion.
- There is need for separate module on Health Promotion which also includes Communication.
- Life style modification suggested by AYUSH.
- Will remove repetition and duplication of topics.
- Financial and Economics module will be combined.

Director, NIPHTR requested Chairperson and Co-Chairperson to give final remarks for the first session

Dr Muzzafar Ahmad-

- Requested to send suggestions if any within 2 days so that suggestions may be incorporated.

Dr. Harivansh Chopra-

- Add District Health Plans / PIP in Health economics
- Internship- may be arranged for 1 month at end of Semester I and another 1 month at end of Semester IV, this will give idea about performance of students & their understanding in semester I

Director, NIPHTR-

- Thanks to Chair person and Co-chairperson and all the panelist for very valuable suggestions

- Will try to incorporate all the suggestions given by the panelist.
- Hopeful that MPH curriculum of NIPHTR will be a model curriculum for entire country.

As per the discussion the following topics will be included:

1. Eligibility criteria for MPH course will be “Medical and Allied Health Science graduates should be eligible for MPH Course”
2. Topic on Food-Safety and Security will be added in curriculum.
3. Concurrent teaching of modules in each semester with microplanning
4. Credit hours will be modified as per the MUHS, Nashik norms
5. To include all National Health Programmes in Semester I
6. Topics of Health Economics and Health financing to be modified and merged together.
7. Separate modules for Health Promotion, Social & Behavioural change Communication (SBCC) and Advocacy Communication and Social Mobilization (ACSM).
8. Topics on Life Style Modifications and Yoga & Meditation to be incorporated under Health Promotion
9. Health Financing system of NHM to be incorporated in Health Finance Management.
10. To add District Health Plans and PIP in Health Economics
11. Internship – duration and structure to be reviewed

TECHNICAL SESSION III

Presentation of the 3rd Semester-

1. Modules covered in Semester-III
2. Distribution of credits and teaching hours for each module
3. Detail content to be covered in each module

SEMESTER III- Modules Covered (Core)

- 11. Reproductive, Maternal, Neonatal, Child Health and Adolescent (RMNCH+)-** historical context, evolution, coverage, components of service delivery, MCH services, Adolescent health, role of gender, innovations evaluation of services.
- 12. Introduction to Health Programs and Evaluation-** Concepts of design, basic approaches, communicate in public health research, evaluation, Case study
- 13. Principal of Social Research Methods-** Objectives, research design, ethical issues, tools and measurements, Sample size and sampling, Qualitative data, Quantitative data, Public health surveillance
- 14. Environment and Occupational Health-** Theories and history, environmental health policy, ecosystems in various settings, Environmental health hazards, Lifestyle and dietary effects on health, food safety and sanitation, Occupational Health, Occupational safety, Climate Change & Health, Biomedical Waste Management
- 15. Law and Ethics in Public Health-** Human rights, Role of government, Public health regulations, Public health information and privacy, Research ethics, Public Health laws

This Institute also desires to add on five core modules in addition to the fifteen core modules in the Model course curriculum given by the Ministry of health & Family welfare, such as Public Health Surveillance, Basic Microbiology, Medical Entomology, Applied Nutrition and Disaster Management. These five modules will contain coursework for at least 10 credits or 350 hours.

- 16. Public Health Surveillance-** Surveillance of communicable & non-communicable diseases, IDSP, Monitoring & Evaluation of surveillance activities, data collection and management, laboratories in surveillance, use of IT in surveillance activity
- 17. Basic Microbiology-** Bacteria, Parasites and Viruses of Public Health Importance Immunity, Serology, media, Collection, Transport, processing of samples, examination of sputum, stools, Bio-safety levels, Newer laboratory technologies.
- 18. Medical Entomology-** Vectors in the causation of diseases and their control measures, Integrated vector control, Entomological survey techniques

19. Disaster Management- Disaster preparedness and response, Hazards and Vulnerability analysis, Rescue, relief and rehabilitation, Psychological support and counselling, PTSD, Bio- terrorism.

20. Applied Nutrition- Concept of balanced diet, Nutritional Disorders, overweight, obesity and NCDs, Tools and techniques, Anthropometry, Dietary Assessment, Clinical Assessment, Monitoring and Surveillance, Nutrition Policy, ICDS, Food security, Food safety, Food adulteration, Food contamination, Nutritional Programs, Planning, implementation and evaluations of Nutritional interventions

PANEL DISCUSSION AND SUGGESTIONS

Chairperson- Dr. Sanjeev Bhasin, Professor, Community Medicine, UCMS and GTB Hospital, Delhi

Co-Chairperson- Dr. Arun Kumar Aggarwal, Professor, PGIMER, Chandigarh

1. Dr. S.K.Bhasin

- Asked distribution of the added 5 modules in first three semesters

2. Dr Gajanan Velhal

- Asked to present the curriculum according to the semesters with addition of extra modules.

3.Dr. Chopra

- Add the extra modules semester wise
- RMNCHA+N, Lots of skills required related to RMNCHA+N like New Born Care, Antenatal & Postnatal care, and advised to identify suitable ways so that skills related to RMNCHA+N may be improved.

4.Dr. S. K. Bhasin

- Logical sequence to be created for the extra core modules.
- General evaluation should come before RMNCH
- Information on Health Education should be included.

5. Dr. R.R. Tiwari

- Current Policy related to occupational health to be added
- Occupational health services models & sensitization towards different ISO & OSHAs should be included in EOH module.

6. Dr Aggarwal

- Additional modules not to be included in core modules, they should be elective
- Dissertation topic to be finalized in semester I or II.
- To improve the skills required for MPH course, specific time 1 to 2 hours each to be given for students.

7. Dr Muzzafar Ahmad

- Add Industrial Disaster
- Add CBRN in disaster
- Add regulatory mechanism for Public Health in Disaster

8. Dr Chopra

- Applied Nutrition- add growth and development component like growth charts, monitoring of growth

9. Dr Aarti Bahl

- Anthropometric measurements to be included in Applied Nutrition

10. Dr Aggarwal

- Include basic knowledge in core modules and advance part to be included in elective modules.

11. Dr Narlawar

- Elective modules like Microbiology and Entomology should be a part of core module
- Research Methodology is very important module as MCI has made it compulsory for all PG students to undertake the training of Research Methodology.

12. DR. Bhasin

- Very important to give skill based learning for MPH students
- Disaster Management should be a core module
- PH surveillance may be merged in Epidemiology module

13. Dr. Aggarwal

- Advised to prioritize the content to be included in core modules.

14. Director, NIPHTR

- NIPHTR added these extra 5 core modules as these topics are not covered and very important.
- Extra core Modules
 - Microbiology & Entomology will be included in Semester I
 - Public Health Surveillance in Semester II
 - Applied Nutrition & Disaster in Semester III
- Dissertation – topic will be finalized in the beginning of Semester II, finalized in semester III and will be completed in Semester IV.
- Growth and development component like growth charts, monitoring of growth will be covered in RMNCHA+N module.
- If we want to merge some topics in elective modules then Public Health Surveillance may be merged with Epidemiology, Disaster may be included in Health Management module
- Some of the core modules may be merged in elective modules

TECHNICAL SESSION IV

Presentation of the 4th Semester :-

1. Modules covered in Semester-IV
2. Distribution of credits and teaching hours for each module
3. Detail content to be covered in each module
4. Dissertation

SEMESTER IV- Modules Covered (Elective)

Four Elective Streams-

1. **Epidemiology-** Advanced Biostatistics, Advanced Epidemiology, Survey design and methods, Infectious disease epidemiology and NCD epidemiology.
2. **Health System Management-** Strategic management in health care and Health Entrepreneurship, Advanced Operational research, Advanced Financial management and budgeting, Organizational management and services, Effective advocacy and communication in Public Health
3. **Health Programme, Policy and Planning-** Health policy, process and planning, Programme planning and evaluation of public health programmes, Translating research into policy and health advocacy, Current issues in Health Policy: National and global perspective, Role of non-governmental organizations in health care
4. **RMNCH+A-** Sexual and Reproductive health, Maternal and child health, Adolescent health, Gender and health, Public health nutrition

NIPHTR also desires to add on three elective modules in addition to the four elective modules in the Model course curriculum given by the Ministry of health & Family welfare.

5. **Health Promotion-** Health Promotion Education, Communication methods & media, Training methodology and teaching learning methods, Non-formal Education and Adult education
6. **Field Epidemiology-** Epidemiology, Biostatistics, Surveillance and Outbreak Investigation & Response, Emerging Infectious Diseases, International Health Regulations and Risk Communication during Public Health Emergencies and Field Practice.
7. **Communicable and Non-communicable diseases-** All major Communicable and Non-communicable diseases will be covered in details.

PANEL DISCUSSION AND SUGGESTIONS -

Chairperson- Dr. Raj Narayan Tiwari, Director, National Institute for Research in Environmental Health, Bhopal, Madhya Pradesh

Co-Chairperson- Dr. Aarti Bahl, Joint Director, NCDC, Delhi

1. Dr. Aggarwal

1. Prepare timeline for dissertation
2. Why two separate streams- Advanced Epidemiology and Field Epidemiology

2. Dr. Nilesh

- Why two separate streams- Advanced Epidemiology and Field Epidemiology
- Dissertation- keep at least one month of time for writing the dissertation in semester IV

3. Dr Aarti Bahl

- There should be no differentiation in Advance Epidemiology and Field Epidemiology

4. Dr Bhasin

- Applied Epidemiology will be more appropriate for MPH

5. Dr Aggarwal

- Procurement process like GeM, Tenders, quotations may be added
- Add also Office Communication

6. Director, NIPHTR

- Field Epidemiology should be a separate module as the MPH as the PH specialist are expected to go to the field for an epidemic outbreak investigation and mitigation. They are supposed to collect, present the data, prepare questionnaire for the outbreak investigation. All these steps will be covered in Field Epidemiology
- Agreed with the suggestion – to merge Epidemiology and Field Epidemiology

Director NIPHTR requested to all to give final recommendations for all the four technical sessions

1. Dr. Gajanan Velhal

- Requested to give more information about field visits

2. Director, NIPHTR

- NIPHTR will identify various institutes and place the students as per their choice, however some of the field postings will be mandatory.
- Internship- NIPHTR will prepare separate SOP for students
- Students from other institutes are also joining NIPHTR for Internship
- MPH students will be placed at various institute to do the analysis of activities, framework, involvement in short research projects, small assignments at the institutes of placement

3. Dr. Bhasin

- One week posting of students at district/ regional institutes / state institutes to understand the functioning will be helpful.

4. Dr Chopra

- Place the students at State Project Management to understand regarding functioning and management of various NHP
- MPH training should be more practical oriented
- Importance to be given to practical skills

5. Dr. Nilesh

- Prepare list of suggested books for reading and training material

Final remarks of Chairpersons-

- Epidemiology and Field Epidemiology to be merged
- Three elective modules added by NIPHTR are very good and help graduates to get placement.
- Dissertation- Give enough time specially for data collection
- Nicely developed curriculum

Director, NIPHTR-

- Thanks to all the panelist for giving their valuable time and very useful suggestions.
- NIPHTR will review the MPH curriculum every year for next three years.
- MPH course will offer 40 % theoretical plus 60 % skill-based knowledge to the students

LIST OF RESOURCE PERSONS

Moderator :

Prof. Dr. Deepak Raut, Director, NIPHTR, Mumbai.

Panelists:

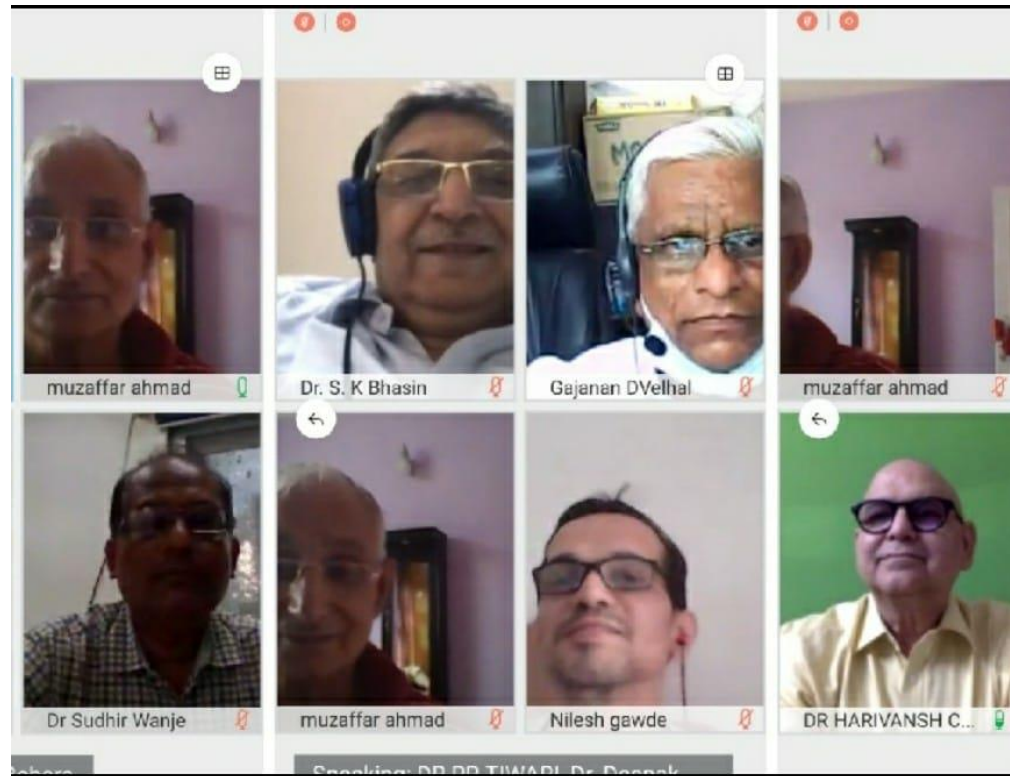
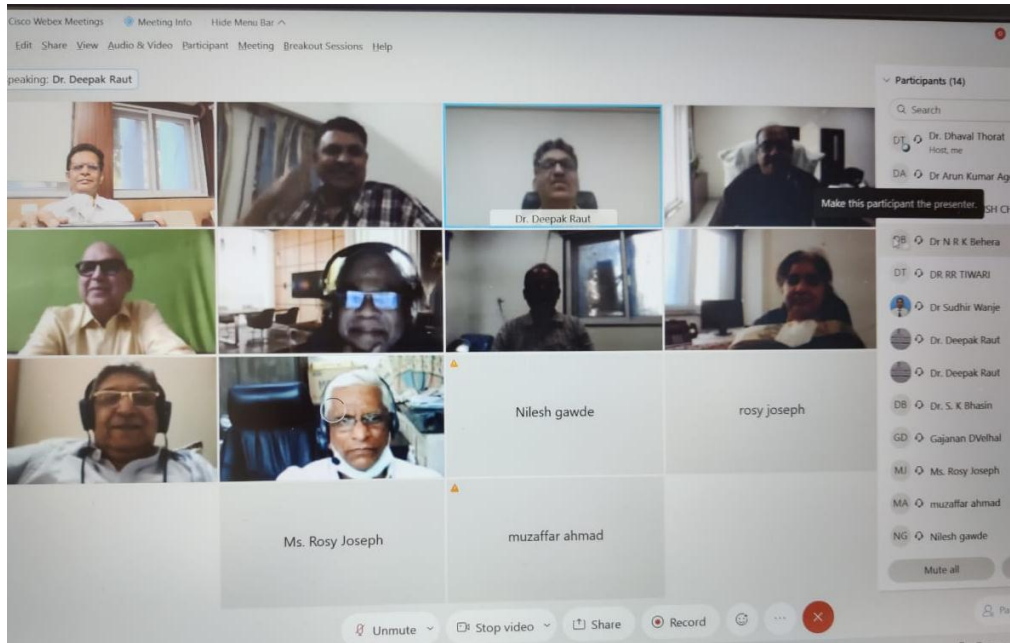
1. Dr. Muzaffar Ahmad, Hon'ble Member, National Disaster Management Authority, New Delhi
2. Dr. Manoj Murhekar, Director, National Institute of Epidemiology, Chennai
3. Dr. Raj Narayan Tiwari, Director, National Institute for Research in Environmental Health, Bhopal, Madhya Pradesh.
4. Dr. Sanjeev Bhasin, Professor, Department of Community Medicine, UCMS and GTB Hospital, Delhi
5. Dr. Arun Kumar Aggarwal, Professor, PGIMER, Chandigarh
6. Dr. Gajanan Velhal, Prof. & HOD (Preventive & Social Medicine), Seth G.S. Medical College & KEM Hospital, Mumbai
7. Dr. Mohan Doibole, Head of Dept. (Community Medicine), Govt. Medical College, Aurangabad
8. Dr. Uday Narlawar, Professor (Community Medicine), Govt. Medical College, Nagpur
9. Dr. Harivansh Chopra Professor, Community Medicine Lala Lajpat Rai Memorial Medical College, Meerut
10. Dr. Aarti Bahl, Joint Director, National Centre for Disease Control, New Delhi Dr. Gautam Roy, Professor (Sr. Scale), Preventive & Social Medicine, JIPMER, Puducherry
11. Dr. Nilesh Gawade, Assistant Professor, TISS, Mumbai

PROGRAMME SCHEDULE

TIME	TOPIC	RESOURCE PERSON
DAY 1 (28.04.2021)		
2:30 – 2:35 P.M.	Introduction to the National consultation.	
2:35 – 2:45 P.M.	Welcome address Perspective and Objectives	Prof. Dr. Deepak Raut, Director, NIPHTR
2:45 – 2:55 P.M.	Introduction of the Experts	Dr. Suparna Khera, CMO (SAG) NIPHTR
	MODERATOR RAPPORTEUR	Dr. Deepak Raut, Director, NIPHTR Dr. Sudhir Wanje, Joint Director, NIPHTR
3:00 – 4:00 PM	<u>Technical Session I:</u> Chairperson- Co- Chairperson: Moderator- Presentation of MPH curriculum: Semester -I Discussion	Dr. Muzaffar Ahmad, Hon’ble Member, NDMA, Delhi. Dr. Harivansh Chopra Professor, Community Medicine, LLRM Medical College, Meerut Dr. Deepak Raut, Director, NIPHTR Dr.D.M.Thorat, Deputy Commissioner, NIPHTR All Panelist
4:00 – 5:00 P.M	<u>Technical Session II:</u> Chairperson: Co- Chairperson Moderator: Presentation of MPH curriculum: Semester -II Discussion	Dr. Muzaffar Ahmad, Hon’ble Member, NDMA, Delhi. Dr. Harivansh Chopra Professor, Community Medicine LLRM Medical College, Meerut Dr. Deepak Raut, Director, NIPHTR Dr.D.M.Thorat, Deputy Commissioner, NIPHTR All Panelist

DAY 2 (29.04.2021)

2:30 – 3:15 PM	<p><u>Technical Session III:</u></p> <p>Chairperson-</p> <p>Co-chairperson</p> <p>Moderator-</p> <p>Presentation of MPH curriculum: Semester -III</p> <p>Discussion</p>	<p>Dr. Sanjeev Bhasin, Professor, Community Medicine, UCMS and GTB Hospital, Delhi</p> <p>Dr. Arun Kumar Aggarwal, Professor, PGIMER, Chandigarh</p> <p>Dr. Deepak Raut, Director, NIPHTR</p> <p>Dr.D.M.Thorat, Deputy Commissioner, NIPHTR</p> <p>All Panelist</p>
3:15 – 4:00 PM	<p><u>Technical Session IV:</u></p> <p>Chairperson-</p> <p>Co-chairperson</p> <p>Moderator-</p> <p>Presentation of MPH curriculum: Semester-IV</p> <p>Discussion</p>	<p>Dr. Raj Narayan Tiwari, Director, National Institute for Research in Environmental Health, Bhopal, Madhya Pradesh</p> <p>Dr. Aarti Bahl, Joint Director, NCDC, Delhi</p> <p>Dr. Deepak Raut, Director, NIPHTR</p> <p>Dr.D.M.Thorat, Deputy Commissioner, NIPHTR</p> <p>All Panelist</p>
4:00 – 5:00 P.M.	Final Discussion- Suggestions and Recommendations	All Panelist
5:00 – 5:05 P.M.	Vote of Thanks	Mrs Rosy Joseph, Senior PHNO, NIPHTR



For Details Please Contact:

director.fwtrc@nic.in

Phone:02223881724