

ANNUAL REPORT 2021-2022

Blended Capacity Building Programme for Stakeholders of River Ganga under Namami Gange

**INDIAN INSTITUTE OF PUBLIC ADMINISTRATION
NEW DELHI**





People must understand the clean Ganga Programme, as an economic activity also. The Gangetic plains account for 40% of our population. They have over one hundred towns, and thousands of villages.”

- Narendra Modi

FOREWORD

Looking back on the year, a few important events and themes appear to jump out and characterise it. For my IIPA in 2020, fresh and ongoing complex events tested and confirmed our reaction systems, and we concentrated on creating capacity for school students and teachers, universities, researchers, scholars, and the like, as well as exploring the opportunities and difficulties posed. Perhaps while still dealing with the black swan event, COVID 19, my IIPA team delivered the project's huge success, "Blended Capacity Programme for Stakeholders for River Ganga under Namami Ganga Programme" sponsored by 'National Mission for Clean Ganga', Government of India by dispensing the first of its kind fully online programme.



The IIPA team held tall despite all obstacles and delivered the capacity building training programme for urban local bodies' official and the consultation with spiritual leaders focusing on sustenance of ghats and restoration of Ganga. The stakeholders were also provided with a sense of ownership through personal logins for association with IIPA's learning management system, an interactive online learning platform. I am delighted to present the Annual Report 2021-2022 that provides planning and execution of the deliverables for second year of the project. I hope that IIPA and National Mission for Clean Ganga will continue to collaborate to develop our collective capacities by learning from and with one another. Our connections with external groups, which reflect our values and goals would contribute our experience and expertise, which would also strengthen us. We are constantly working to strengthen our accountability and transparency procedures across our network. The clients we serve are at the heart of what we do, and their commitment to improvement drives us to excel in our work. This entails interacting meaningfully with our beneficiaries and providing them with a voice through a variety of feedback options. We encourage a culture of sharing information and expertise throughout our network, which is supported by rigorous monitoring and evaluation. I would like to thank my IIPA team for their dedication and excitement in completing this project. This project has engaged over 12000 stakeholders from star states of Ganga Basin, and it has got an incredibly positive response and recognition from its participants. I wish to crew the best of luck in all their future undertakings. I believe this has been a fantastic year. I am pleased with our organization's continued progress and look forward to the coming year with anticipation.

A handwritten signature in black ink, appearing to read "S.N. Tripathi".

(S.N Tripathi)

ACKNOWLEDGEMENT

The project entitled “Blended Capacity Building Programme for Stakeholders of River Ganga under *Namami Gange* Programme” sponsored by National Mission on Clean Ganga, Department of Water Resources, River Development and Ganga Rejuvenation, Ministry of Jal Shakti, Government of India completed its first year, successfully owing to the support and help of many hands. We would like to express our deepest gratitude towards National Mission of Clean Ganga, Government of India for entrusting us for an exclusive and worthy project and simultaneously guiding and supporting us throughout the year.

We convey our sincere gratitude, to Shri G. Asok Kumar (IAS), Director General, NMCG for providing their untiring support and active involvement in the capacity building programmes. We extend our sincere appreciation towards Shri Jagmohan Gupta, Advisor, NMCG; Shri Brijesh Sikka, Senior Consultant, NMCG and Mr. Neeraj Gahlawat, Project Officer (Technical), NMCG, Ms. Jyoti Verma, Support Engineer, TCE, PMC-NMCG and Ms. Bhawna Sharma, Young Professional, NMCG for the support and technical knowledge for project implementation. We are thankful to Ms. Priya Sikka and *Namami Gange* staff for providing data and assistance on time.

Our deepest thanks to Mr. S.N. Tripathi (IAS R), Director General, IIPA; Shri G. Asok Kumar (IAS), Director General, NMCG; Sh. C. K. Varshney, Former Dean JNU and Emeritus Professor; Sh. S. S. Satapathy, Former Director, Climate Change, MoEF&CC; Dr. J. S. Kamyotra, Former Member Secretary, CPCB for accepting our request to be a part of the Project Advisory Committee and steering the activities through the entire study.

We are extremely grateful to Mr. S.N. Tripathi (IAS R), Director General, Indian Institute of Public Administration, New Delhi for his inimitable guidance which stirred the pace of the project. Our sincere thanks to Mr. Amitabh Ranjan, Registrar, IIPA for helping us arrange the logistics for the project activities. Special thanks to Imran Ahmed and his team for field photography.

We are Thankful to our collaborating partners Mr. A.K Sinha, Sewage Treatment Plant, Delhi; Mr. Ashish Jain, Indian Pollution Control Association, Delhi; Dr. Faiyaz A. Khudsar, Yamuna Biodiversity Park and Mr. Yasir Arafat, Neela Hauz Biodiversity Park, Delhi for sharing their knowledge and leading site visits. Our Sicere thanks to Pujya Swami Chidananda Saraswati ji, Parmarth Niketan Ashram, Rishikesh to enlighten and motivate the community. We are also thankful to the IIPA Administration, Finance and Computer Department, and investing their time and efforts as and when required. Last but not the least, we would like to thank Research team IIPA Ms. Kanika Garg and Ms. Kanishka Sharma for their support and assistance in completing the deliverables of the second year.

Our acknowledgement would be incomplete without a mention towards the contribution of the Urban Local Body Officers, Spiritual Leaders, teachers, school and college students and academia of five key states of river Ganga Basin for participating and engaging in the project with extreme enthusiasm.



(Vinod K. Sharma)



(Shyamli Singh)

TABLE OF CONTENTS

Foreword

Acknowledgement

INTRODUCTION TO PROJECT	1
Indian Institute of Public Administration and Namami Gange Program	1
Project Team	3
Project at a Glance	3
Annual Highlights	5
Summary of Activities	7
Timeline (Year July 2021- June 2022)	8
DETAILS OF DELIVERABLES ACHEVIED	9
CHAPTER 1: MEETINGS AND STRATEGY	9
Project Steering Committee Meeting	9
NMCG-IIPA Project Progress Meeting	11
Meeting with DM Haridwar	12
Adopted Strategy	13
CHAPTER 2: KNOWLEDGE PRODUCTS FOR STAKEHOLDERS	15
Modules for Urban Local Body Officer	16
Publication	19
Impact Assessment Study	20
Photo Documentation	21
Video Documentation	28
Bilingual Knowledge Products for schools and college students	31
Calendars	33
CHAPTER 3: CAPACITY BUILDING PROGRAM	35
Capacity Building Programme for Urban Local Body Officials	35
Capacity Building Programme for College	48

Capacity Building Programme for Master Trainers	51
Capacity Building Programme for School students	54
Workshop for Spiritual Leaders and Community	61
CHAPTER 4: FEEDBACK	75
CHAPTER 5: IIPA'S LEARNING MANAGEMENT SYSTEM FOR CAPACITY BUILDING	80
CHAPTER 6: RESOURCE DIRECTORY	82

INTRODUCTION TO PROJECT

‘*Namami Gange* Programme’, is an Integrated Conservation Mission, approved as ‘Flagship Programme’ by the Union Government in June 2014 with budget outlay of Rs.20,000 Crore to accomplish the twin objectives of effective abatement of pollution, conservation, and rejuvenation of National River Ganga. Main pillars of the *Namami Gange* Programme are Sewerage Treatment Infrastructure, River-Front Development, River-Surface Cleaning, Bio-Diversity, Afforestation, Public Awareness, Industrial Effluent Monitoring and Ganga Gram. One of the key missions under the program is Public Awareness. The mission has been ongoing in formats of series of activities such as events, workshops, seminars and conferences and numerous IEC activities were organized to make a strong pitch for public outreach and community participation in the programme. Various awareness activities through rallies, campaigns, exhibitions, cleanliness drives, competitions, plantation drives, and development and distribution of resource materials were organized. For wider publicity the mass media such as TV/Radio, print media advertisements, featured articles and advertorials were published. Gange Theme song was released widely and played on digital media to enhance the visibility of the programme. NMCG ensured presence at Social Media platforms like Facebook, Twitter, You Tube and the like.

Indian Institute of Public Administration and *Namami Gange* Mission

For achieving the desired objectives of the Mission, varied stakeholders have been looped in by NMCG for treating and managing Ganga basin. With this as a backdrop, NMCG entrusted a project “Blended Capacity Building Programme for Stakeholders of River Ganga” under *Namami Gange* Programme to Indian Institute of Public Administration (IIPA) for three years i.e., from 2020-2023. The main objective of the project is to convey the importance of river Ganga as well as the threats it is facing in the current scenario to the stakeholders at large. It is particularly important to convey to the officials and public at large the importance of the river Ganga, as well as the threats it is facing in the current scenario. Accordingly, the project aimed at conducting multiple Blended Capacity Building Programme, which is a blend of Face-to-Face sessions i.e., classroom sessions and Virtual Internet Participation Session. In a nutshell, it is a journey from desk to desktop.



Figure 1: Illustration on Blended Learning Concept

WHAT IS BLENDED LEARNING?

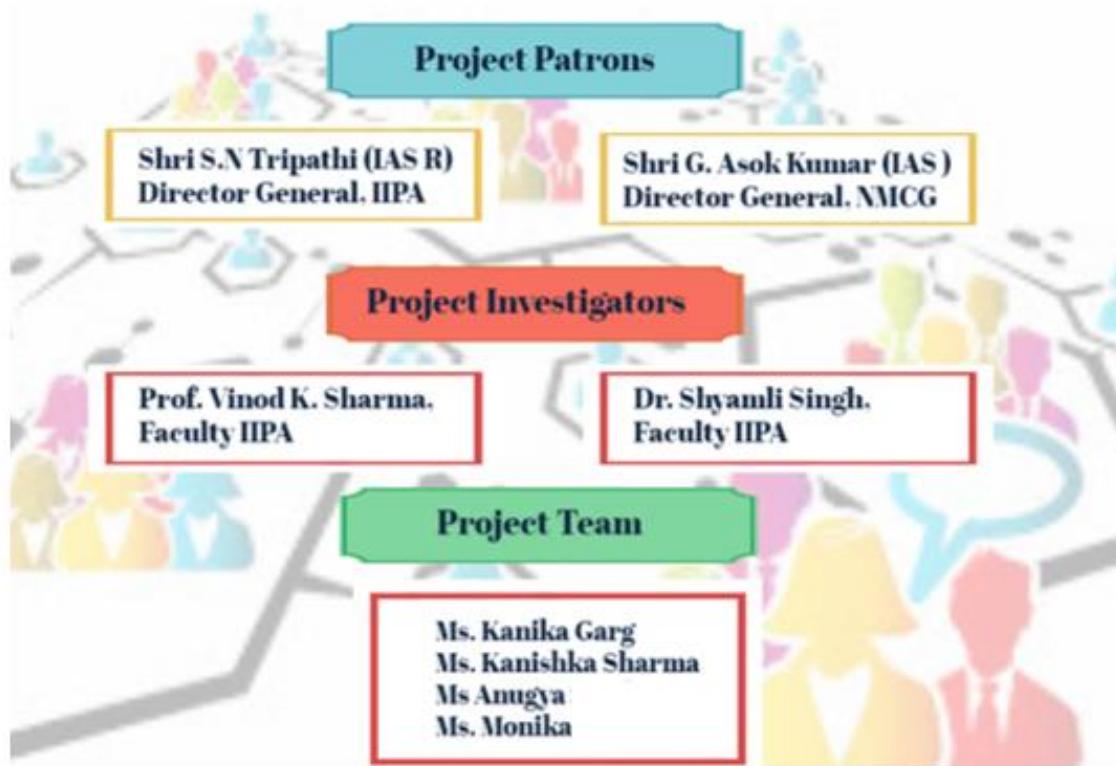
Blended Learning integrates the finest features of two different types of training environments: traditional face-to-face classroom instruction and high-tech e-Learning. By covering both bases, all sorts of learners can be engaged i.e., those who thrive in a structured environment with face-to-face interaction, involving an instructor and others who thrive in a semi-autonomous, computer-based learning environment.

While the classroom enables role-playing with immediate face-to-face feedback, online learning enables personalized, self-paced learning using e-Learning components that lend themselves to interactive media such as skill-building, games, videos, tutorials, quizzes, and social media components, all of which are accessible from the learner's home page in the Learning Management System (LMS).

WHY BLENDED LEARNING?

The perfect blended learning program includes web-based training for optimizing the achievement of learning objectives with the application of learning management systems (LMS). The three-year long process is aimed at providing a Holistic approach on Ganga and its activities conducted under *Namami Gange* for making the river *Aviral* and *Nirmal*. The project provides an online platform to connect with masses achieving the two main pillars of *Jan Ganga* and *Gyan Ganga*. Participants can now learn and retain content through the new approach of Blended Learning with IIPA LMS platform.

PROJECT TEAM



PROJECT AT A GLANCE

I. OBJECTIVES

The broad project objectives were defined stepwise integrating:

- Identification of key stakeholders of Ganga River Basin.
- Preparation of tailor-made modules for each stakeholder separately in accordance with their role in Clean Ganga Mission.
- To disseminate the collected knowledge through blended learning programs.

The learning programs are customized for different stakeholders with plethora of examples from their niche habitats to make it more understandable.

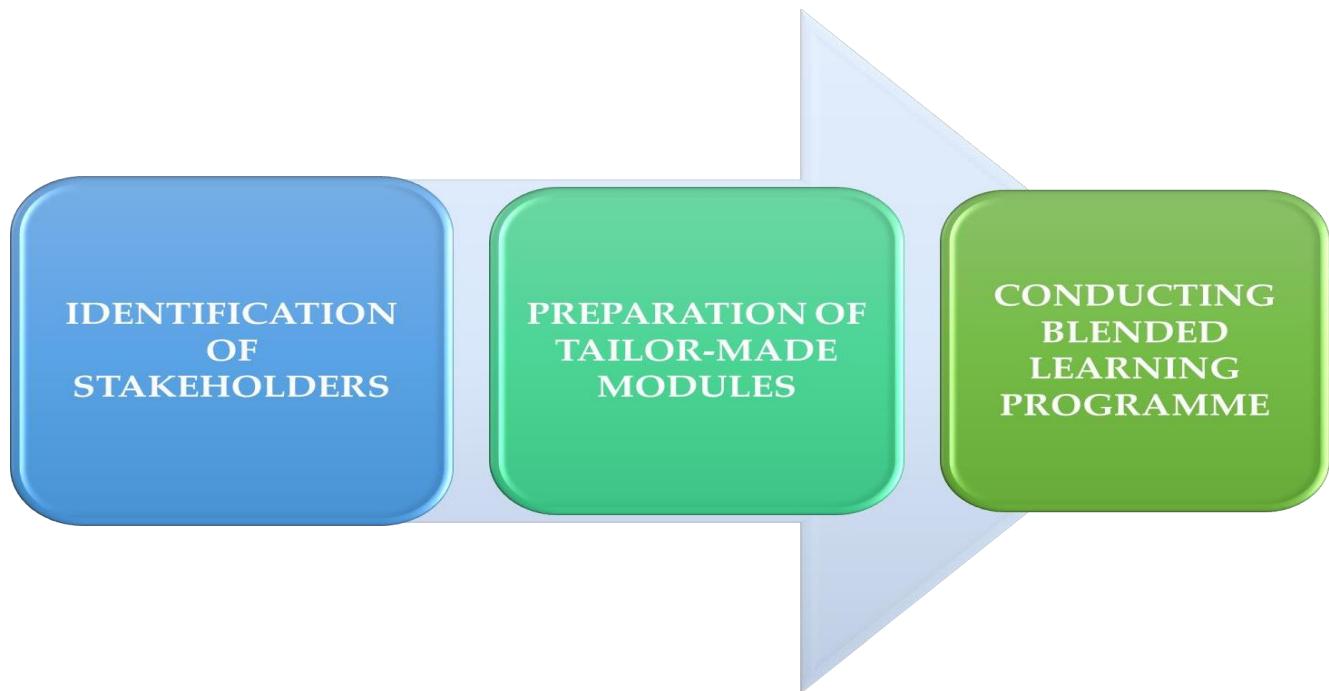


Figure 2: Objectives of the Project

II. PROJECT DELIVERABLES



Figure3: Three-year Project Deliverables

Annual Highlights

Urban Local Body Officers Training

No. of Training Conducted- 6

Total No. of Participants: 122

Mode: Blended (Offline & Online)



Capacitating College Students

No. of Students- 643

Academic Staff- 102

Mode- Online



Annual Highlights

Workshop for Spiritual Leaders & Community

No. of Participants
64

Place
Parmarth Niketan Ashram, Rishikesh



Capacitating Schools

No. of Students- 1317
No. of Trainings - 4

Master trainers- 80
No. of Trainings - 4

Mode- Online



Summary of Activities



3rd Project Steering Committee meeting



Genesis of Bilingual school & college modules



Ongoing Desktop Research & Literature Review



Knowledge Products for Stakeholders



Submission of Quarterly reports



State-wise database collection and contact development with ULB officers.



Getting registrations from the stakeholders



ULB Training Programme



Ganga Samvad



School Student capacity building Programme



Master Trainer capacity building Programme



Workshop for Spiritual Leaders & Community

Figure 4: Major Activities during July 2021-June 2022

Timeline of the project deliverables (July 2020-June2021)

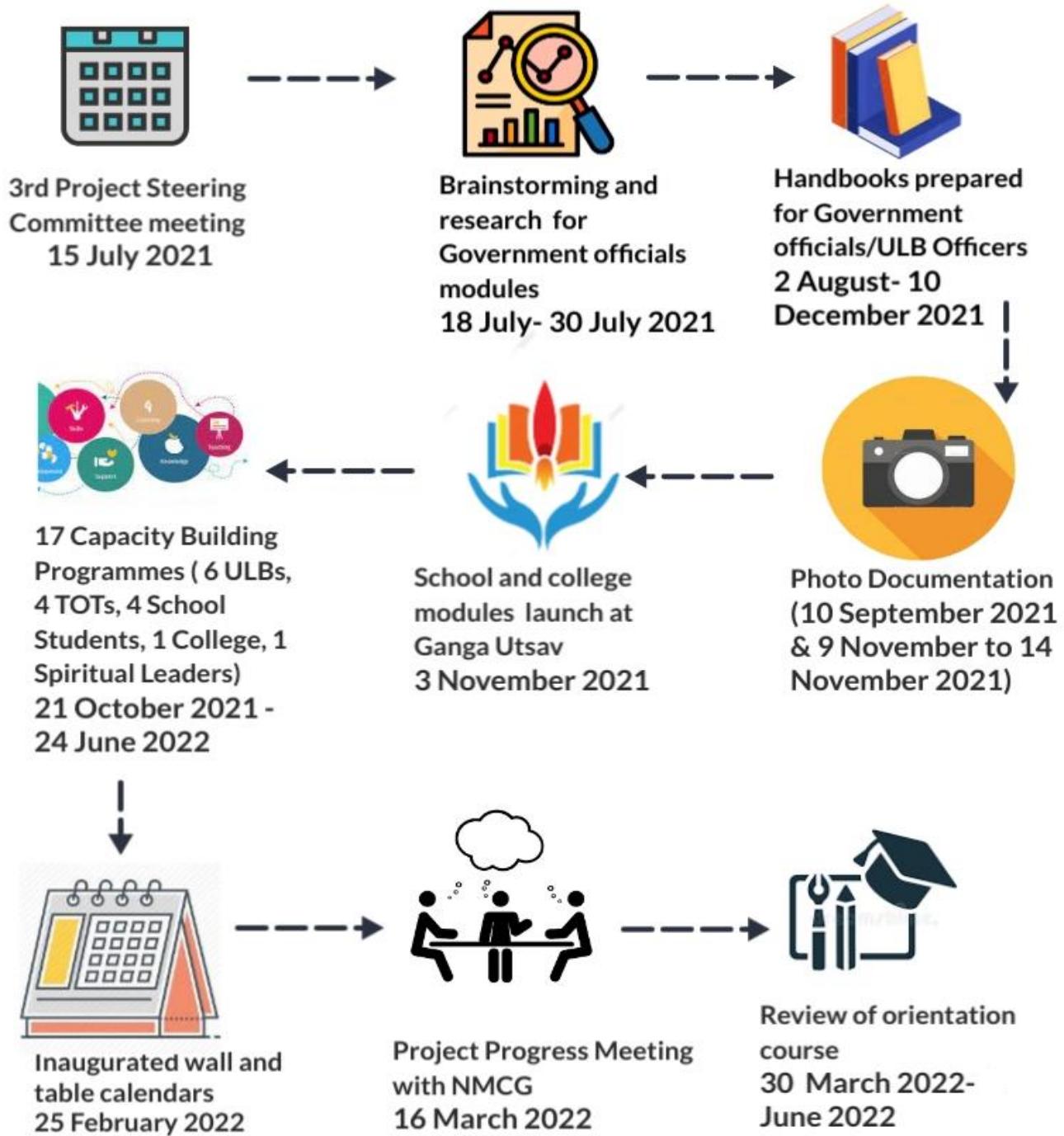


Figure:5 Timeline of the project deliverables

Details of Deliverables Achieved

Chapter – 1 Meetings and Strategy

The year 2021-2022 marked the successful completion of phase 2 of Blended Capacity Building Programme for Stakeholders of river Ganga under *Namami Gange*. The year 2021-2022 was devoted to state wise database collection and contact development with Urban Local Body officers, literature-based research, photo documentation; development of bilingual modules for stakeholders i.e., school, college students and Urban Local Body officers, development of knowledge products i.e., calendars, publications, photo documentation, video documentation, and capacity building programme for targeted groups - ULB Officers, Spiritual leaders & community, school and college students, and master trainers.

Phase 2 of the project witnessed the first ever capacity building training programme for urban local body officers (Executive officers, Executive engineers, Chief Medical Officer), Forest officers etc.) and the consultation with spiritual leaders and community focussing on sustenance of *ghats* and restoration of Ganga.

Standing true to the project's objective to conduct capacity building programmes and create public awareness amongst diverse stakeholders. IIPA achieved a milestone in capacitating more than 12, 000 stakeholders of river Ganga.

➤ **Virtual Project Steering Committee Meeting- 15th, 2021**

The third project steering meeting was held on 15th July 2021 at 11:30 a.m. in the Indian Institute of Public Administration (IIPA) under the chairmanship of Sh. S.N. Tripathi, Director General, IIPA. Project Steering Committee members are from different fields of work, with expertise and experience that shall benefit the project in various dimensions. The meeting was facilitated by Prof. V. K. Sharma and Dr. Shyamli Singh, Project Investigators. The minutes of the meeting are placed in **Annexure I**.

The following Agenda items were discussed in the Third Project Steering Committee of the Blended Capacity Building Programme for the stakeholders of River Ganga.

- Project progress brief for capacity building trainings for different stakeholders
- Finalisation of themes for ULB Modules
- Plan of Action for the second phase
- Any other item (with the permission of Chair)

MEMBERS OF THE PROJECT STEERING COMMITTEE (PSC)



Shri. SN Tripathi, Director, IIPA



Sh. G. Asok Kumar, Director General, NMCG



**Prof. C.K. Varshney (Member), Emeritus,
School of Environmental Sciences, Jawaharlal
Nehru University (JNU), New Delhi.**



**Mr. J.S. Kamyotra, Former Member Secretary,
CPCB (Special Invitee)**



**Dr. S. Satapathy (Special Invitee), Director,
Climate change, Ministry of Environment,
Forest and Climate Change**



**Mr. Jagmohan Gupta (Special Invitee),
Advisor, NMCG**

➤ NMCG-IIPA Project Progress Meeting- 16th March 2022

A project review meeting was held on 16th March 2022 at IIPA, New Delhi, which was attended by Sh. Surendra Nath Tripathi (IAS R), DG IIPA, and Sh. G. Asok Kumar (IAS), DG NMCG. Project Investigator Dr. Shyamli Singh, briefed about the project and presented the project progress to Director General, NMCG and the members. The meeting included discussions on the objectives and deliverables of NMCG.



Figure 6: Sh. Surendra Nath Tripathi, DG IIPA and Sh. G. Asok Kumar, DG NMCG in a project progress meeting,

IIPA



Figure 7: DG IIPA and DG NMCG in discussion with PI Prof. Vinod K. Sharma and Dr. Shyamli Singh

➤ Meeting with District Magistrate Haridwar, at DM Office Haridwar- 25th May 2022

Project Investigator Dr Shyamli Singh made a visit to DM Haridwar ,Mr. Vinay Shankar Pandey (I.A.S) office with the objective of discussing the recent initiatives taken in the district of Haridwar and how community involvement could help in restoring the current situation of the river Ganga. Overall, the meeting had a positive outcome, With the affirmation from the district administration regarding future collaboration with IIPA.



Figure 8: Interaction between Mr. Vinay Shankar Pandey, DM Haridwar, and Dr. Shyamli Singh, Project Investigator



Figure 9: Meeting at District magistrate's office, Haridwar

➤ ADOPTED STRATEGY

To reach the maximum participation of Urban Local Body officers for Blended Capacity Building Training Programme under Namami Gange intimation mails and letters were sent inviting nominations, addressing to all the district magistrates and person-in-charge of the 11 states of river Ganga basin in two phases. During the first phase, intimation mails and letters (Annexure III) were addressed to District magistrates and person-in-charge of the districts in five-star states through which the river Ganga flows namely, Uttarakhand, Uttar Pradesh Bihar, Jharkhand, West Bengal. During the second phase, intimation mails, letters and online registration form were addressed/sent to person-in-charge of the districts of 11 Ganga River basin states namely, Uttarakhand, Uttar Pradesh Bihar, Jharkhand, West

Bengal, Rajasthan, Himachal Pradesh, NCT, Delhi, Haryana, Madhya Pradesh and Chhattisgarh. NMCG authorisation letter, IIPA invite letter, and District magistrate contact list in Annexure II.

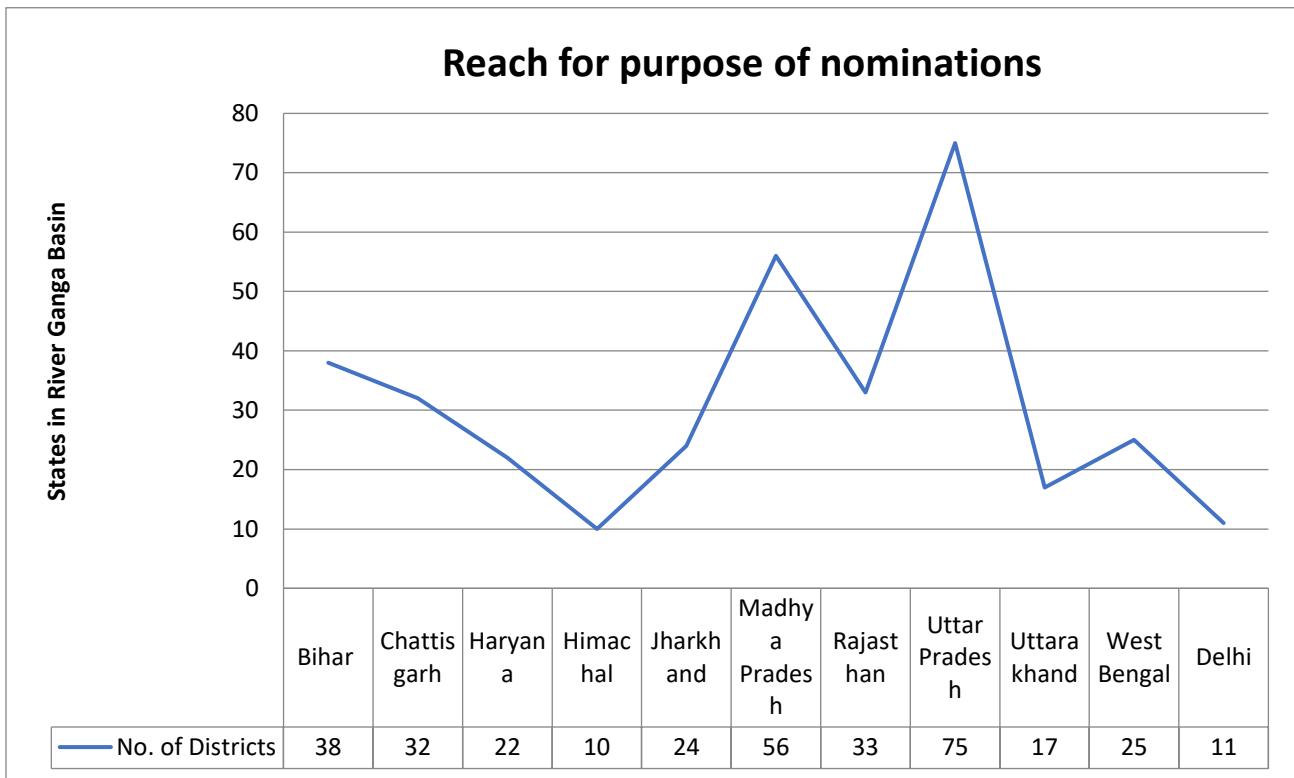


Figure 10: Number of district where nomination invites were sent

The nominations for participation in the Blended capacity building programme for ULBs were received from the District Urban Development Agency (DUDA), municipal corporations and municipalities, *Nagar Palika* being a fully representative body, while the notified area committees, town area committees and other institutions from all states in the Ganga Basin. A total of 165 nominations were received from the 11 basin states enlisted in the Annexure V.

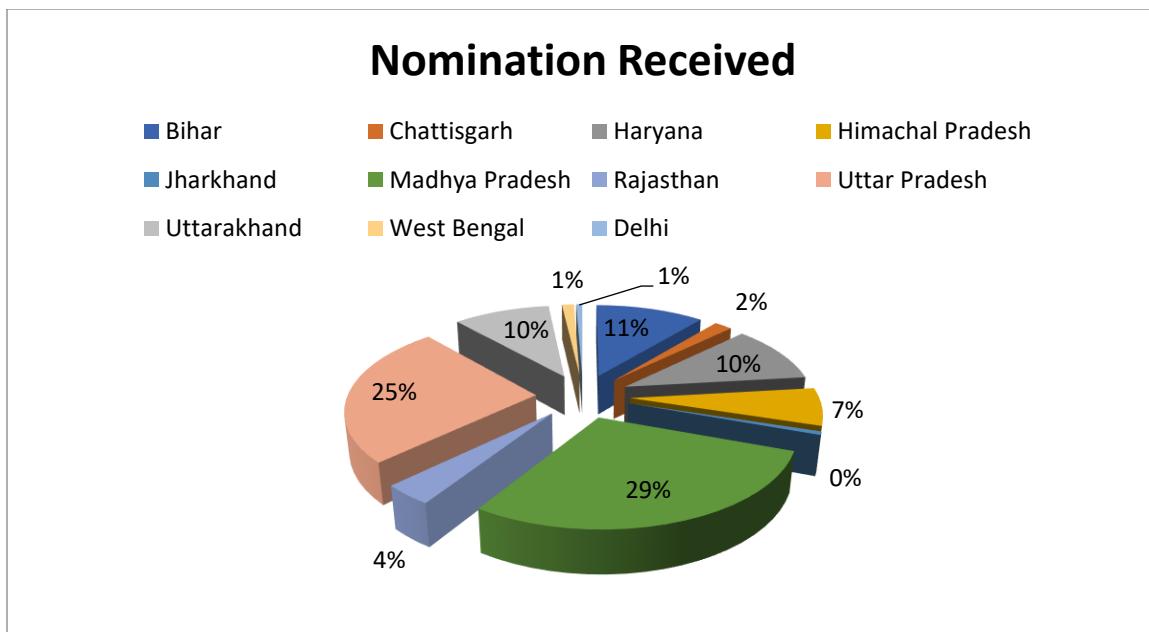


Figure 11: Nominations received from 11 states of Ganga river basin

The participants for the ULB capacity building programme were from the different hierarchies of municipal administration ranging from Executive Officer, Solid Waste Management Coordinator, Sub-Engineer, Assistant Engineer, Executive Engineer, Sub-Divisional Officer, Engineer, Assistant Municipal Commissioner, Cleaning Inspector, Executive Administrative Officer, Chief Municipal Officer, Forest Inspector, Secretary, Junior Engineer, House Inspector, District Coordinator(SBM), District Project Manager(SBM), Chief Medical Officer, Municipal Engineer, Nodal Officer, Additional Commissioner City mission manager, City Manager, Assistant Director, District Program Manager, Sub Assistant Engineer, Nodal Officer. List enlisted in Annexure VI

Chapter -2 Knowledge Products for Stakeholders

The modules serve as an introduction to the *Namami Gange* approach and its application towards capacity development. It demonstrates the River Basin Management Approach in a straightforward, coherent, and accessible manner for the benefit of development practitioners both within and outside the system. An attempt has been made to design the modules to impart practical guidance by using real-world examples and knowledge that can be used to build and contribute to national capacity development. It focuses on smart institutions, visionary leadership, access to knowledge, and public accountability mechanisms as capacity change drivers, drawing on data and strategies throughout the basin and combining country-led experiences and institutional lessons. The Primers provide access to various resources, but do not profess to encompass all information, perspectives, and practices in this vast field of Ganga Rejuvenation. Further, modules or aspects of interaction have been tailor-made to the relevant stakeholder. However, we believe it serves as a convincing and intriguing introduction to areas of work and practice that are critical to achieving long-term human development achievements.

➤ Modules for Urban Local Body Officers (ULBs)

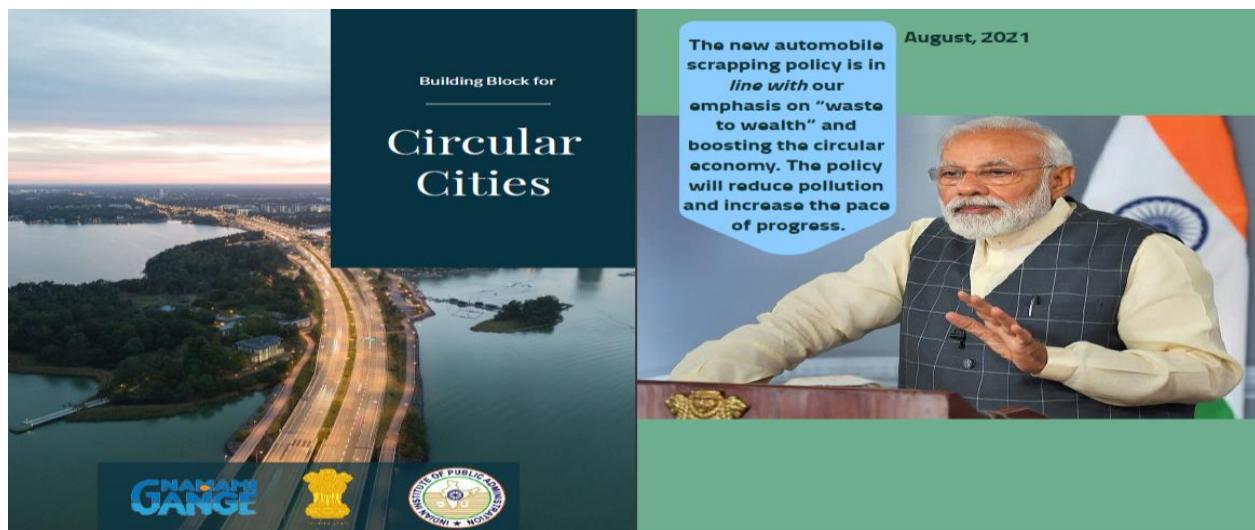


Figure 12: Cover page of circular cities module

The project 'Blended capacity building for the stakeholders of the river Ganga under *Namami Gange*' by the Indian Institute of Public Administration, New Delhi, has designed modules as a strategic step toward enhancing the ability of urban managers in cities. The building blocks encompass a holistic view of the river Ganga and its various aspects of importance to Urban Local Bodies, the (building block for

ULBs series) consists of eight modules for the ease of understanding as well as delivering the sessions. The first module's theme speaks of the Circular City, which brings to reality the simplicity of living close to nature while having easy access to knowledge and modern technology. Circular is associated with economics, resource management, governance, and aesthetic design. This module seeks to identify a list of city assets and products that would widen the circularity notion beyond the economy to cover other areas of Urban Local Bodies based management as well. The second module is about agriculture, which is one of the most important elements of the Indian economy as more than 75% of the workforce earns their livelihood through agriculture. It becomes imperative to formulate a visionary agriculture management policy that is sustainable. This module attempts to guide the local authorities in the state to implement sustainable agriculture practices which are compliant with the regulatory framework of India.

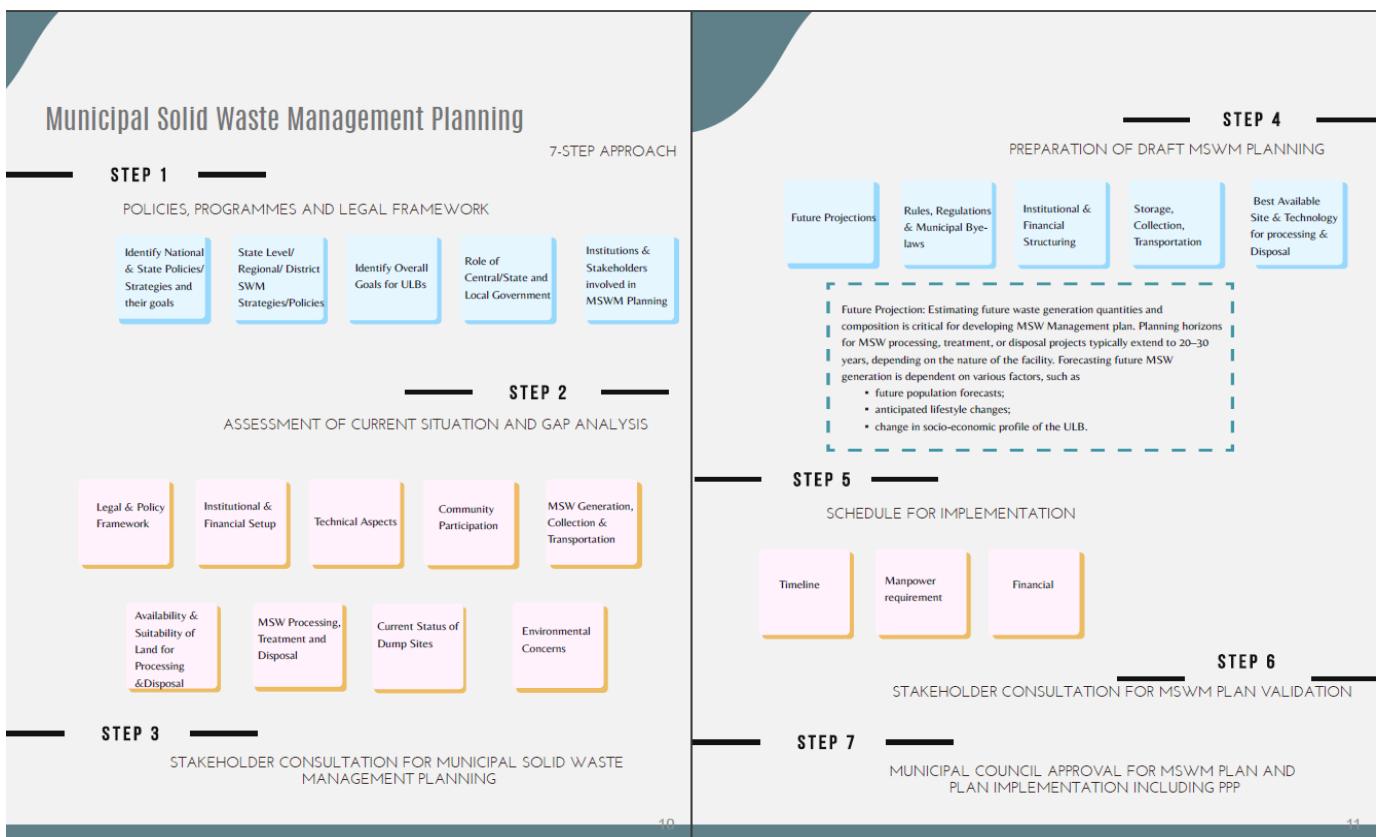


Figure13: An infographic on Solid Waste Management Planning from the module on SWM

The Third Module is on Building Resilience and Climate Smart Urban Planning that enhances the reliability of a city's performance over time, making it more capable to endure shocks. This module talks about gaps, needs, and a framework for introducing perspectives for urban local body officers. As the frequency and severity of disasters caused by climate-related events have been increasing all over

the world. Because of its distinct geo-climatic and socio-economic characteristics, India is also prone to a wide range of natural and man-made disasters to varied degrees. When a district is devastated by floods, droughts, landslides, earthquakes, cyclones, and other natural disasters, officials and planners need the correct information, resources, and tools to mitigate the damage. Only preparedness initiatives may provide such information/tools. Officials from urban local governments must also integrate climate-resilient strategies into a variety of ongoing development projects. Further to bring a change in the city's development dynamics for resilient urban cities. The fourth module on solid waste management discusses the challenges faced by ULBs in collecting and treating solid waste, as well as the overall management of waste as a resource, including recycling, environmental issues, disposal, and other elements of municipal garbage, with a focus on the Ganga basin states. It examines India's situation by laying out measures taken and implemented by local governments, as well as drawing on examples of best practices from around the world to establish long-term waste management solutions. The fifth module on Riverfront Development talks about rivers, its importance, role of urban rivers, riverfront of present times, evolution of waterfront development, river sensitive urban planning, monitoring evaluation, Operation maintenance framework, successful case studies on the riverfront development.

Case Study 01

Patna Riverfront Revitalization

Patna Riverfront Revitalization project is a *Public space and Landscape restoration initiative* at the Old City in Patna. Engaging a historic stretch along the river, the proposed development includes 6m wide promenade, 4 community, education and recreational public building, public toilets, change rooms, lifeguard and first aid, food kiosks, way-finding and upgraded network of access streets. Physically the ever-expansive urban settlements have lost the relevance and reverence of water along with a connection to the ebb and flow of the river systems.

Travel across Indian cities, you will find not only a disregard to this natural edge but also an exploitation – garbage dumping, toxic wastes and sewerage discharge. Their importance has been brought to fore by many environmental writers, activists and governmental schemes. A completed project has provided the much needed Public Space to the residents of the City (5 million population) with thousands using the walkway at various times daily. Close to 1 million people use the walkway and restored Ghats during the local festival of Chhatt (Oct–Nov). The festival is based on the ancient tradition of nature worship with reverence to Sun and Water.



case study 01



The World Bank and
National Mission for Clean
Ganga/ NMCG and BUIDCO

NilaA Architecture and
Urban Design

The project benefits a population of 3 million persons in the riverine zone including Residents with new public space and health benefits. Fisherman with new toilets and improved boat mooring capacity. Low income communities have access to a new community hall and a new electric crematorium (2 pyres with a capacity for 30 a day) at Gulvi Ghat will help in reducing the wood consumption and next it would give more burning facilities. The project also envisages to improve interceptor drains to capture the sewage getting directly disposed to Ganga from the building along the ghat and then finally dispose them off at a city sewer manual to divert the same to an STP. A total of 8 such interceptor drains are being constructed. Several national-level campaigns have been held at the project site including physical trash skimming of the water surface, creation of sewerage treatment plants along the river to manage the direct discharge of sewerage.

Edge, Paths and Connections

A new Civic Identity: Creating an active Urban Edge

Urban Typology and Heritage

Urban Architecture: Ghats

Urban Acupuncture: Buildings as an extension of ghat typology

FEATURES

case study 01

Figure 14: Section of modules describes best case study on riverfront management

Sixth module is on Forest Management. Forest management is the planning and implementation of practices for the stewardship and use of forests and other wooded land with specific environmental, economic, social, and cultural goals in mind. It introduces the perspectives of urban local body officers towards trends and challenges, policies, and a framework of sustainable Forest Management in the river Ganga basin state for long-term services sustenance.

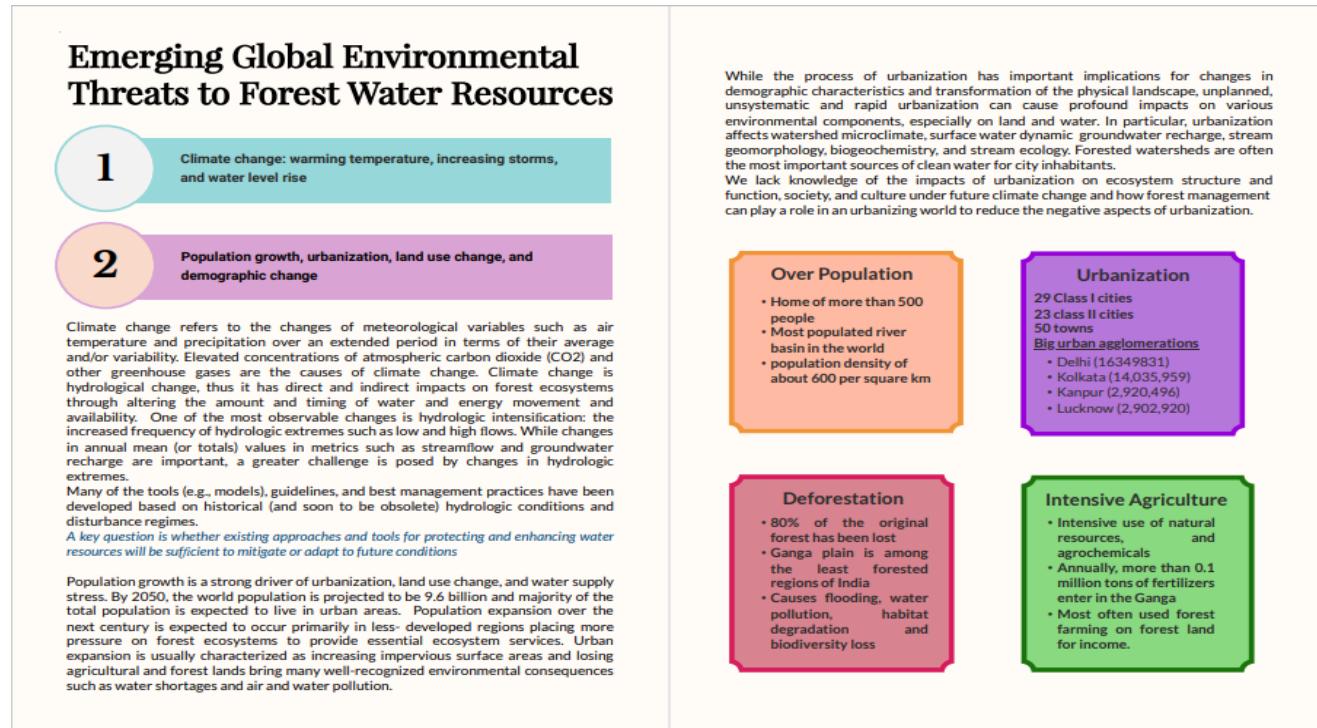


Figure 15: Threats to water resources

The Seventh module is about Urban Wetlands. Wetlands contribute to the livability of urban areas by mitigating flood damage, reducing the urban heat island effect, filtration stormwater, recharging groundwater, cleaning the air, and providing needed green space for humans and nature alike in areas frequently influenced by development and impervious surfaces. The module describes Role of Urban Local Bodies, Critical path approach, planning, institutional framework, assessment, conservation and management plan, challenges and government initiatives. Eighth module is on Urban Water Management, the module discusses the challenges faced by ULBs as well as the overall management of urban water with a focus on the Ganga basin states. It examines India's situation by laying out measures taken and implemented by local governments, as well as drawing on examples of best practices from around the world to establish long-term solutions.

➤ Publication

The present study titled ‘A Review on Solid Waste Management and its SWOT Analysis in Ganga Basin’. The study focuses on the solid waste and its management scenario in Ganga basin cities. The study covers the five major states i.e., Uttarakhand, Uttar Pradesh, Bihar, Jharkhand and West Bengal from which the holy river Ganga is flowing, before it finally ends in the Bay of Bengal. The study consists of a detailed review on the waste generated, its composition and its associated issues in Ganga basin. The study was published in Trends in Biosciences 13(17), Print: ISSN 0974-8431, 1281-1291, 2020.

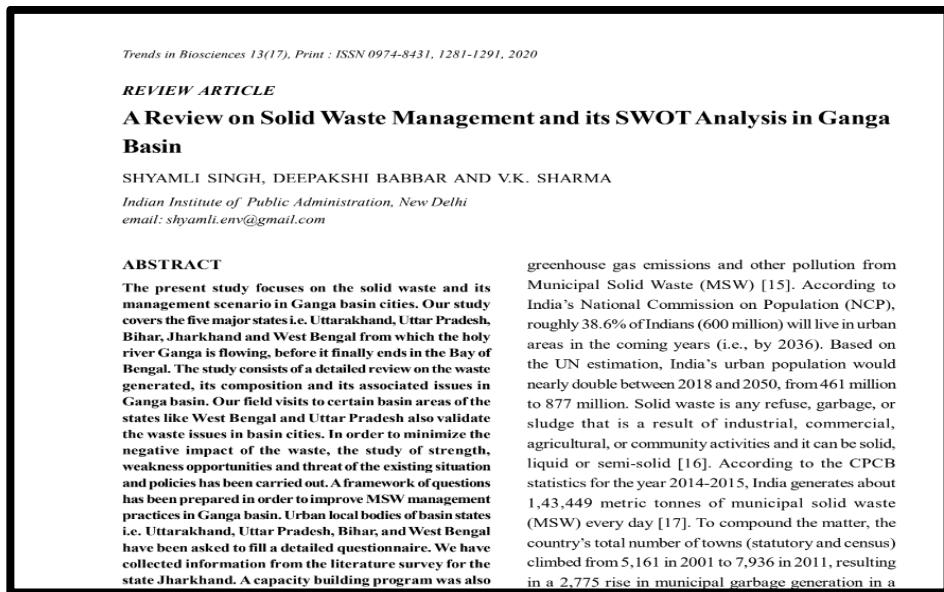


Figure 16: Excerpts from the study

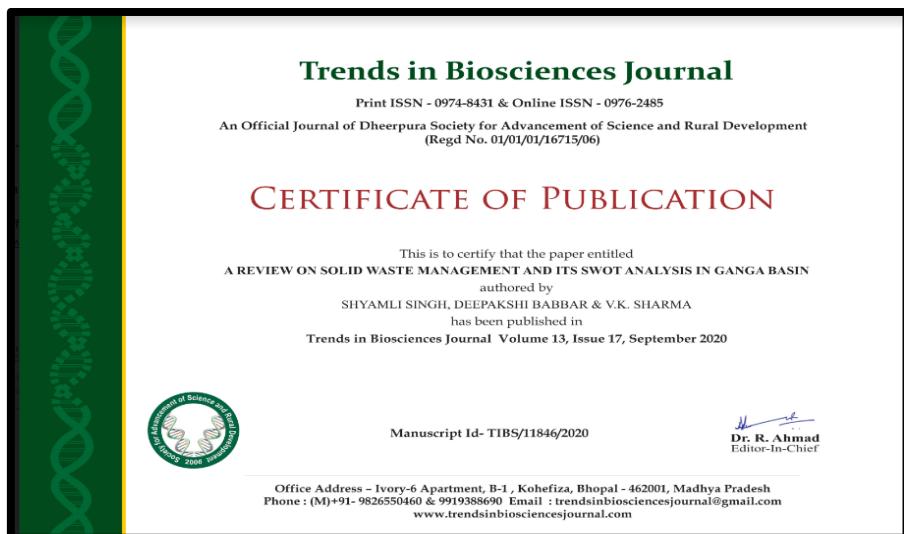


Figure 17: Certificate of Publication

➤ Impact Assessment Study

Capacity building programme were conducted for stakeholders of river Ganga with a purpose to be a strategic step in building the capacity of Urban Local Bodies (ULBs) and academia (college and school students). The objective of the study was to assess the impact of the capacity building programme conducted for stakeholders on the importance of river Ganga as well as the threats it is facing in the current scenario to the officials and the public at large. The study focused on the practices being followed by the urban local bodies and youth in ganga basin states in terms of solid waste and water management. The locale of the study comprised of Ganga basin states i.e., Uttarakhand, Uttar Pradesh, Madhya Pradesh, Rajasthan, Haryana, Himachal Pradesh, Chhattisgarh, Jharkhand, Bihar, West Bengal, and Delhi.

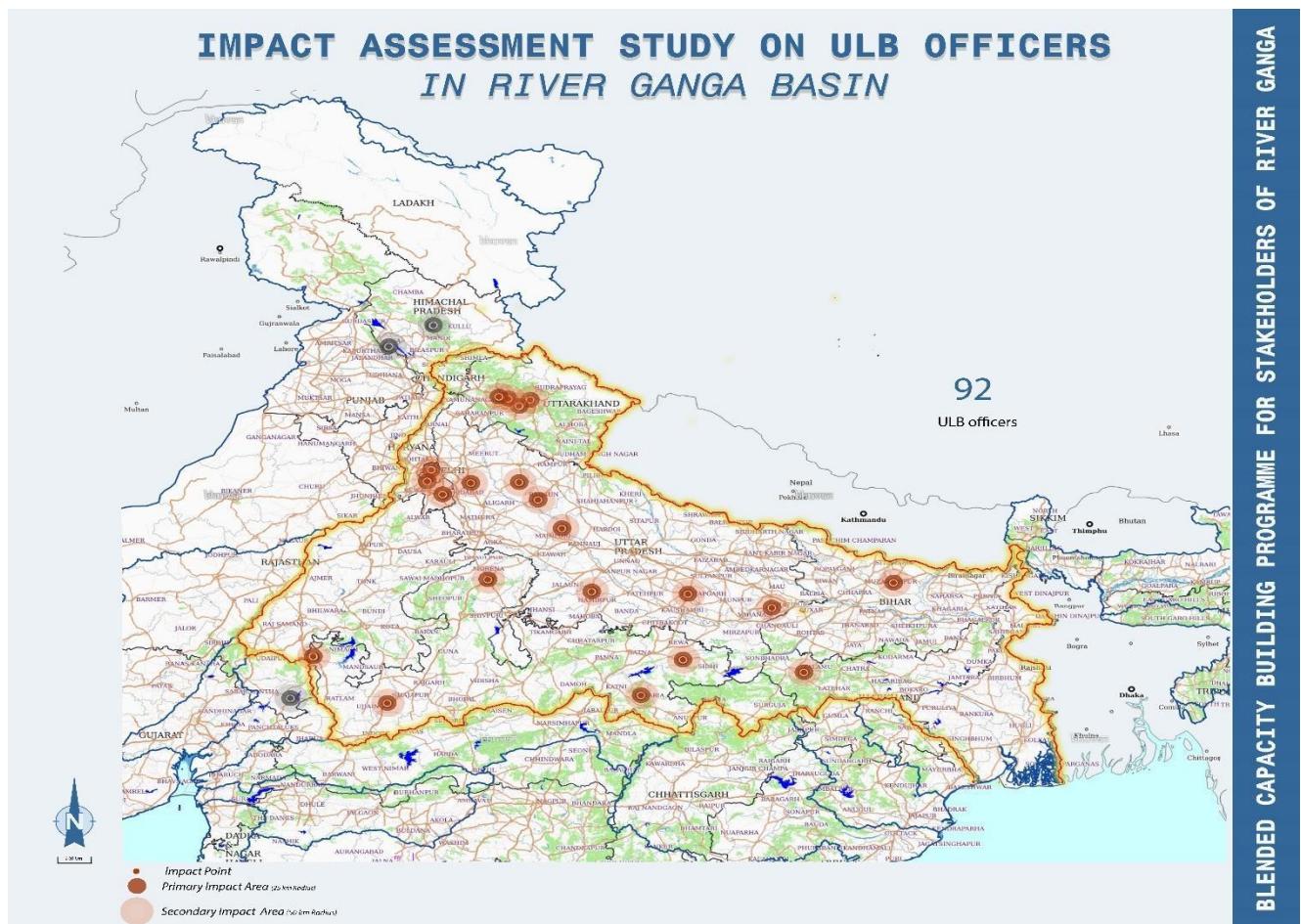


Figure 18: Mapping of participating ULB officers from districts

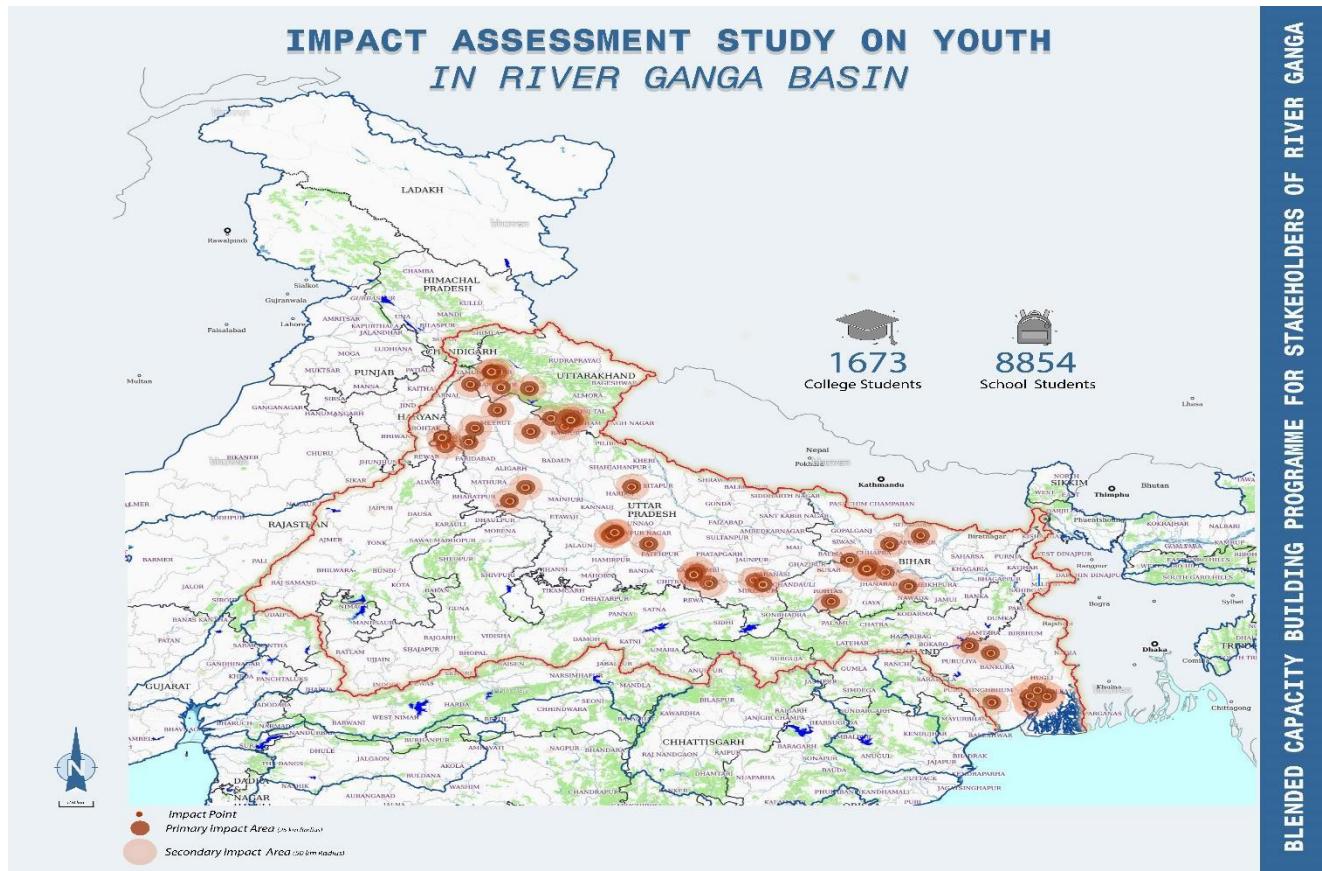


Figure 19: Mapping of participating schools and colleges

➤ Photo Documentation

The photo documentation aimed at the major themes of river Ganga i.e., Places along Banks of Ganga, Ganga and Nature connect, Humans of Ganga, Traditional art and craft and Rites & rituals along Ganga. The documenting team has been gathering photos and stories. For the photos, they have been collecting a variety of shot types – e.g., extreme close-ups, close-ups, mid shot, long shot, staged shots, and action shots. In addition to a variety of shot types, it would be important to gather photos that showcase people (especially if they have provided a quote), process/es, technological innovation, working experience with government stakeholders, local communities are highly desirable in this consultancy. During the phase 2, following places were covered-

- Hooghly District, Kolkata
- Patna, Bihar on the occasion of Chhath puja

There will be component of photo stories:

- Location (where): Name the place/city, where the picture was made.
- Date (when): Provide the date the photo was made using the format YYYY-MM-DD

- Explain the purpose or reason why this is occurring, the context if you will.
- People: Who is in the photograph?

The team has been working on developing a package of photographs and video clips to illustrate the following aspects of Ganga

- Major cities (as listed above) and its historical, cultural, social, and economic aspects.
- Biodiversity profile of Ganga with protected areas demarcated by government.
- Major industries along river ganga (distillery, sugar, pulp, paper, tannery, and textile)
- River basin management for areas of ecology and water quality (Interviews of experts)
- People directly dependent of Ganga for their livelihood's interactions with river Ganga like fishermen, pandits.
- Historical sites and places of interest of tourists along river Ganga as listed by the IIPA team.
- Demonstration of riverfront development, river surface cleaning, afforestation, ganga gram as listed by IIPA team.
- Local level stories on traditional knowledge system, defence system, water networks, pilgrimage routes.



Figure 20: The photo-documentation team at Banaras

GLIMPSES OF PHOTO DOCUMENTATION ASSIGNMENT PHASE 2



Figure 21: Life-guards on duty during service on chhath puja festival at Patna Ghat



Figure 22: Hooghly River skyline



Figure 23: Rose Farming at Naini Farms



Figure 24: A devotee offering prayers on ghats of Ganga



Figure 25: Water Channels built to transfer STP water to Rose farms



Figure 26: Worker putting waste for processing at Naini Sewage treatment plant



Figure 27: Chhatt puja celebration at ghat of Patna



Figure 28: Sikki grass products for retail sale

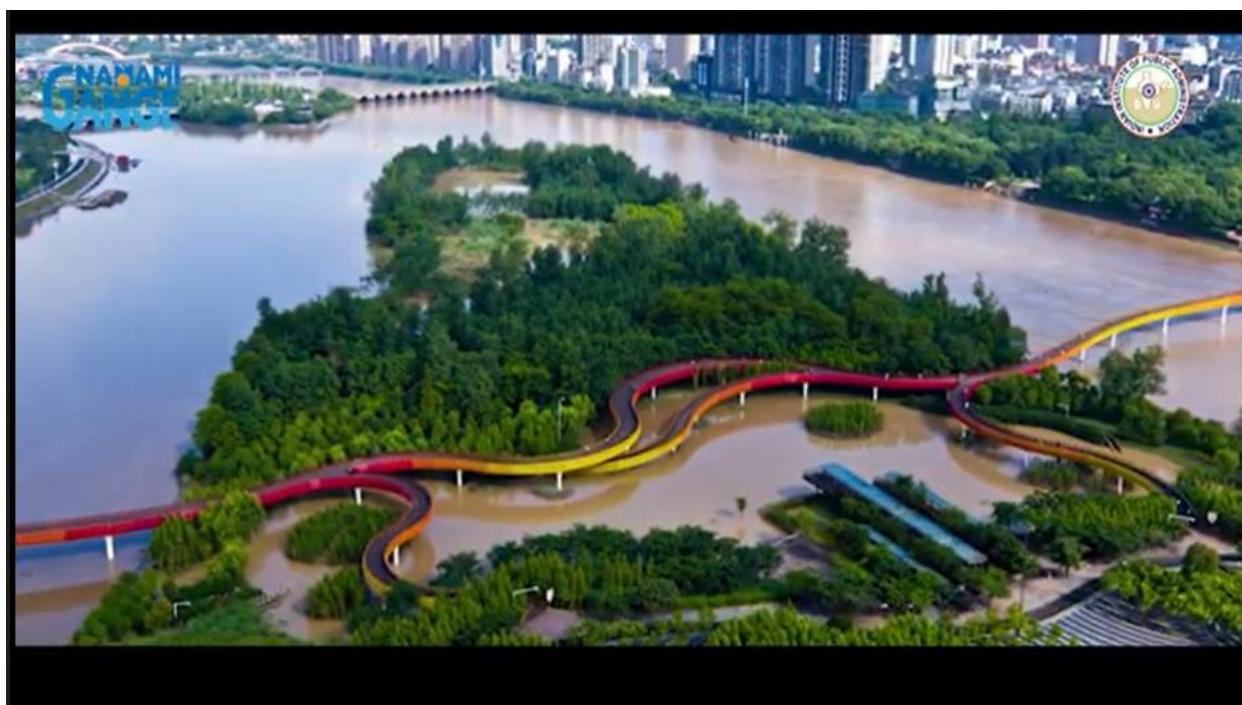
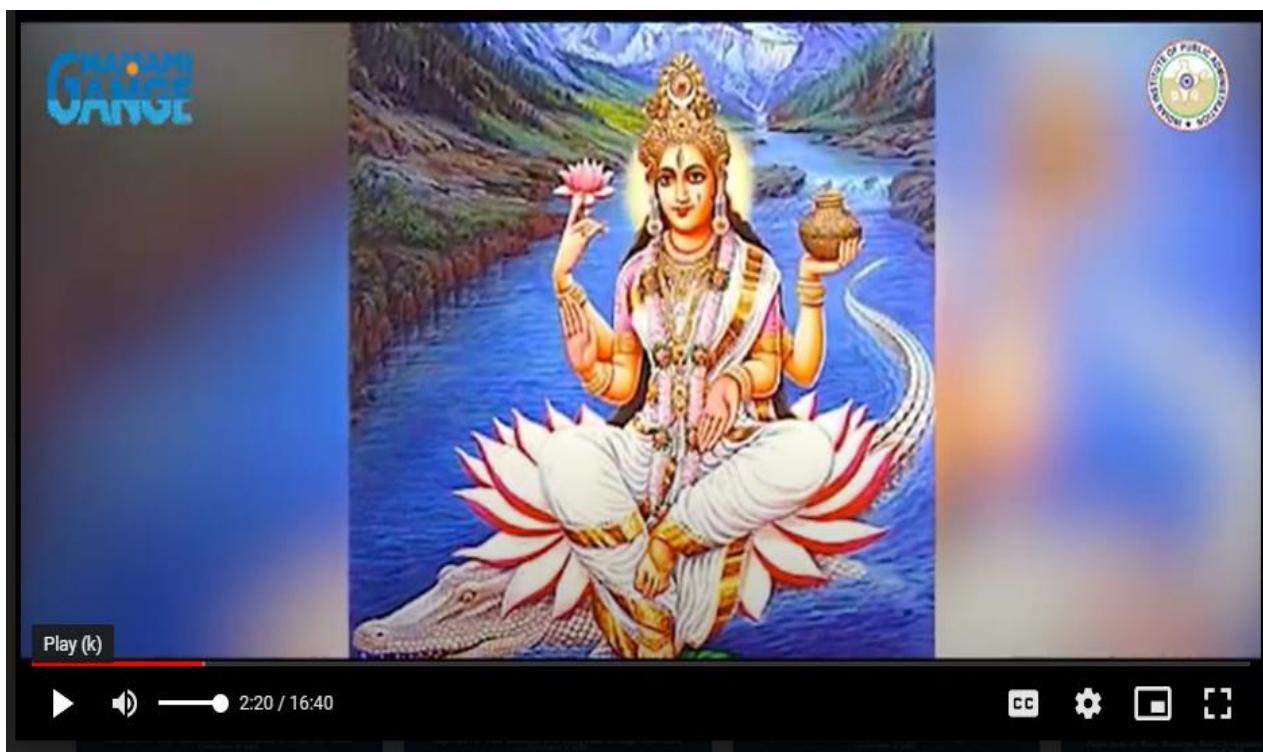
➤ Video Documentation

The IIPA is in the process of developing ten Videos in both Hindi and English on river Ganga and its sub-themes. We have developed twenty videos which are under the final stages of edits. The themes for the videos are:

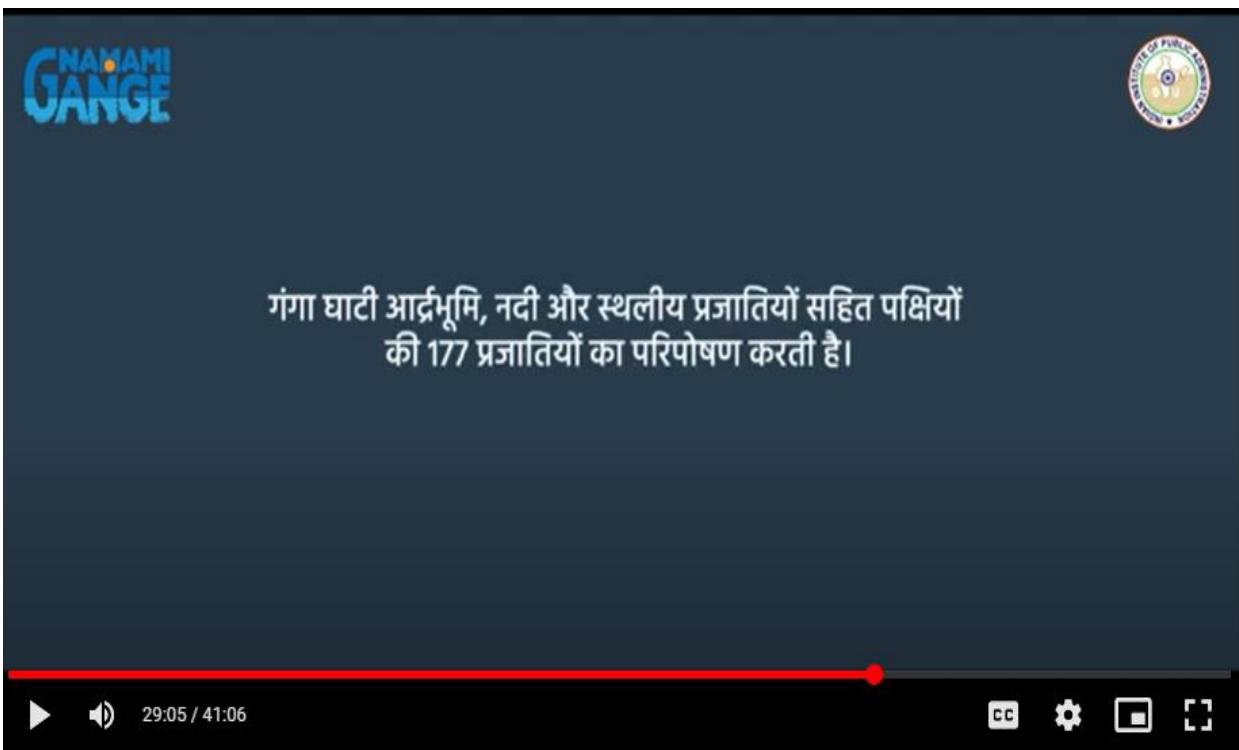
S.no	English Videos	Hindi Videos
1	Birth of River Ganga	गंगा नदी का जन्म
2	Evolution and Physical Features of Ganga	गंगा का विकास और भौतिक विशेषताएँ
3	Ecological Diversity of Ganga	गंगा की पारिस्थितिक विविधता
4	Faith in Ganga	गंगा पर आस्था
5	River Ganga and Human Interventions	गंगा नदी और मानवीय हस्तक्षेप
6	The Economy's Dependence on River Ganga	गंगा नदी पर अर्थव्यवस्था की निर्भरता
7	Management of Urban River Stretches	शहरी नदी के विस्तार का प्रबंधन
8	Save Ganga Get Involved	गंगा बचाओ। हाथ बढ़ाओ।
9	Government's Support & Legal Infrastructure	सरकारी सहयोग और कानूनी संरचना
10	Sailing Down the Ganges	गंगा के साथ बहते हुए

Figure 29: Themes for the videos

GLIMPSE OF VIDEO DOCUMENTATION







➤ **Bilingual Knowledge Products for School and College Students**

The handbook encompasses a holistic view of the river Ganga and its various aspects, the ‘Ganges - Children Handbook’ consists of four sub modules for the ease of understanding as well as delivering the sessions. The first sub module’s theme is about the identity of the river that describes the journey of Ganga from Gangotri to Ganga Sagar, its historical mentions, glorious legends attached to river Ganga, touches on cultural and economic significance of the national river, and covers the landmark, cities, World Heritage Sites and Ghats. At the end, children engage in activities related to factual portions covered. The second sub module explains the faith-the intangible form of revering Ganga describing traditions, cultural practices, religious and pilgrimage sites, stories about social practices, the sixteen samskaras and festivals celebrated on the banks of river Ganga. After the session students-trainers engage in a storytelling session about their experiences with the river Ganges. The third sub module describes Ganga ecosystem’s where forests, wetlands, aquatic life, flora, and fauna are covered. Protected areas like biospheres reserves, national parks, Wildlife sanctuaries, Tigers reserves, RAMSAR sites and other natural and sub-natural habitats for biodiversity are discussed. After the module, there are two important activities for students to interact regarding identification of flora and fauna of the river. The fourth sub module about Ganga Rejuvenation discusses the timeline of various efforts by the government, shift towards Basin Based Approach, inception of NMCG, Missions of NMCG and some

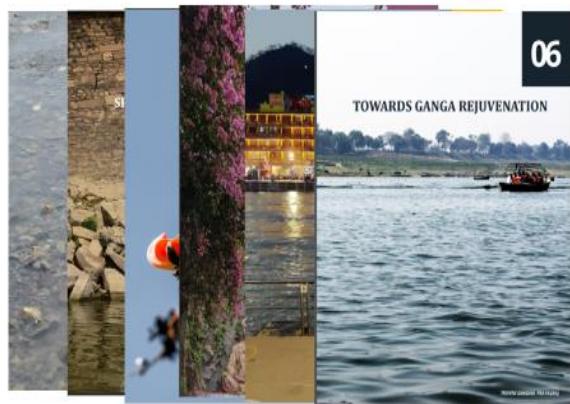
initiatives under the Namami Gange Programme. The module ends with discussion on the role of children in conservation and rejuvenation activities of the National River-Ganga.

School Students



4 Modules

College Students



6 Modules

In *Ganga Utsav* 2021, Bilingual children handbooks and college modules to build awareness and knowledge around importance and conservation of river Ganga among youth and the future generation of India were launched by Sh. Kiren Rijiju, Minister of Law & Justice of India. The stage was shared by eminent dignitaries Sh. Rajiv Ranjan Mishra, former DG NMCG, Sh. Prasoon Joshi and Prof V.K Sharma, Project investigator.



Figure 30: Children handbook and college modules launched at “Ganga Utsav 2021”

➤ CALENDARS

IIPA designed and printed the "Save Ganga" theme annual calendar for the year 2022. The calendar artwork has posters of the school students to recognise their creativity. The calendar was launched by Sh. S.N Tripathi, DG IIPA and Sh. G. Asok Kumar, DG NMCG, with project investigators Prof. V.K. Sharma and Dr. Shyamli Singh.

Calendars



Figure 31: Table calendar and wall calendar of the year 2022



Figure 32: Student's poster on Table Calendar 2022



Figure 33: Sh. G. Asok Kumar, DG NMCG and Sh. S.N Tripathi, IIPA launched calendar 2022

Chapter- 3 Capacity Building Programme

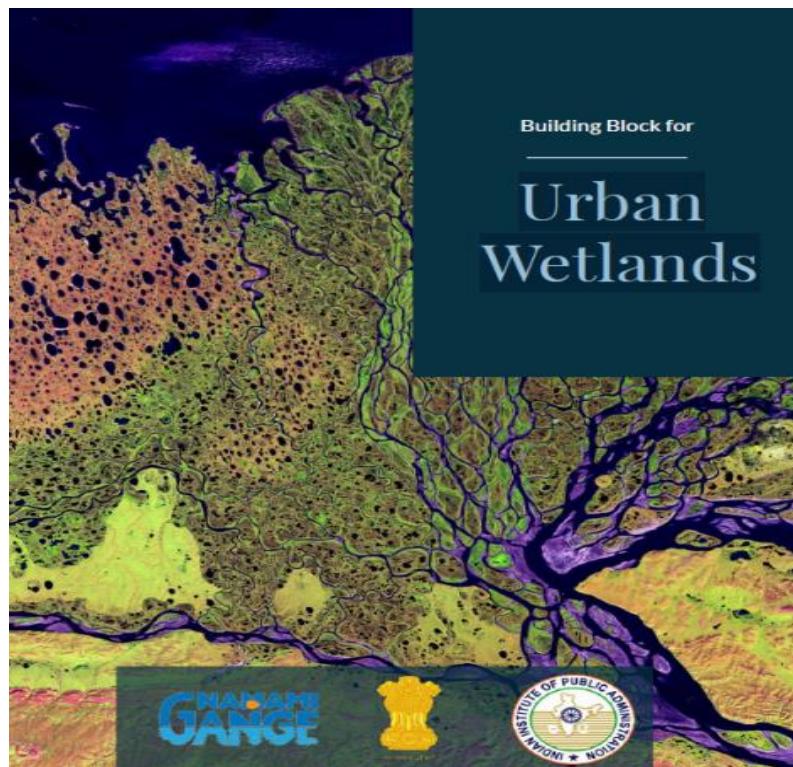
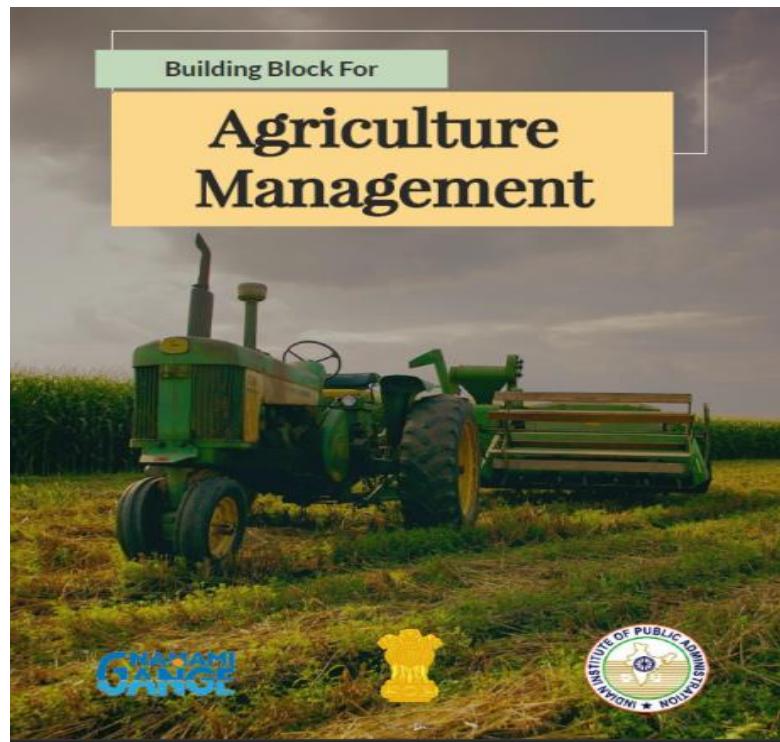
Capacity building is one of the key activities undertaken by IIPA to strengthen an organization's operations and to help it achieve its mission by integrating people's participation. Identifying the urgent need to develop the capacity of stakeholders who can work together as a community to strengthen the Conservation and Rejuvenation of River Ganga, NMCG entrusted IIPA with a task of its own kind. After the genesis of bilingual training modules for urban local bodies' officials and other knowledge products such as calendars, Publications, Photo documentation and video documentation. IIPA embarked on the journey of conducting training programmes for the identified stakeholders. To boost learner's efficiency and adjust to the times, a mixed route of training was rolled out to avoid the limitations of distance and to build engagement simultaneously. This was considered as a feasible option to impart knowledge and skill during the unprecedented times.

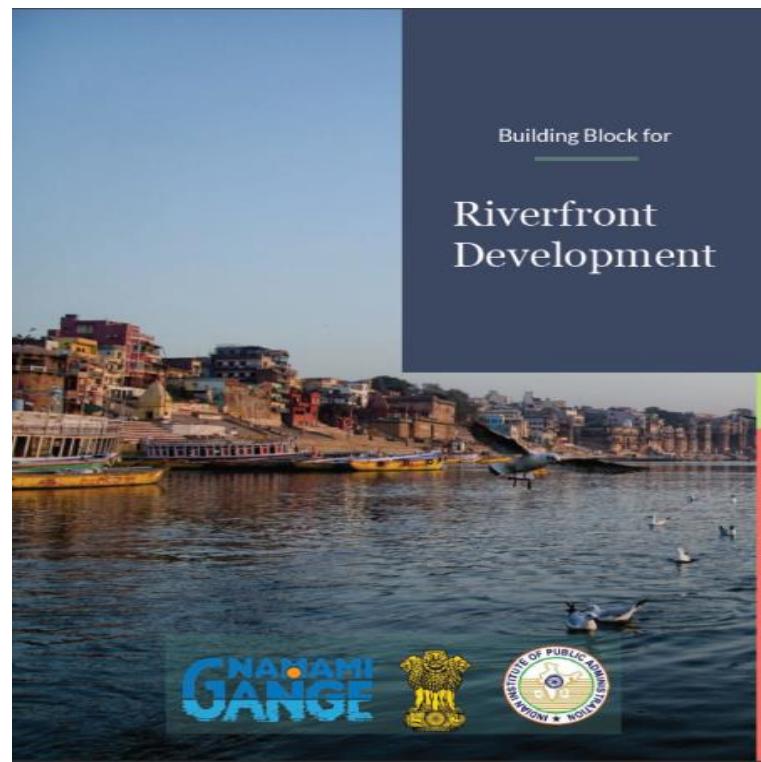
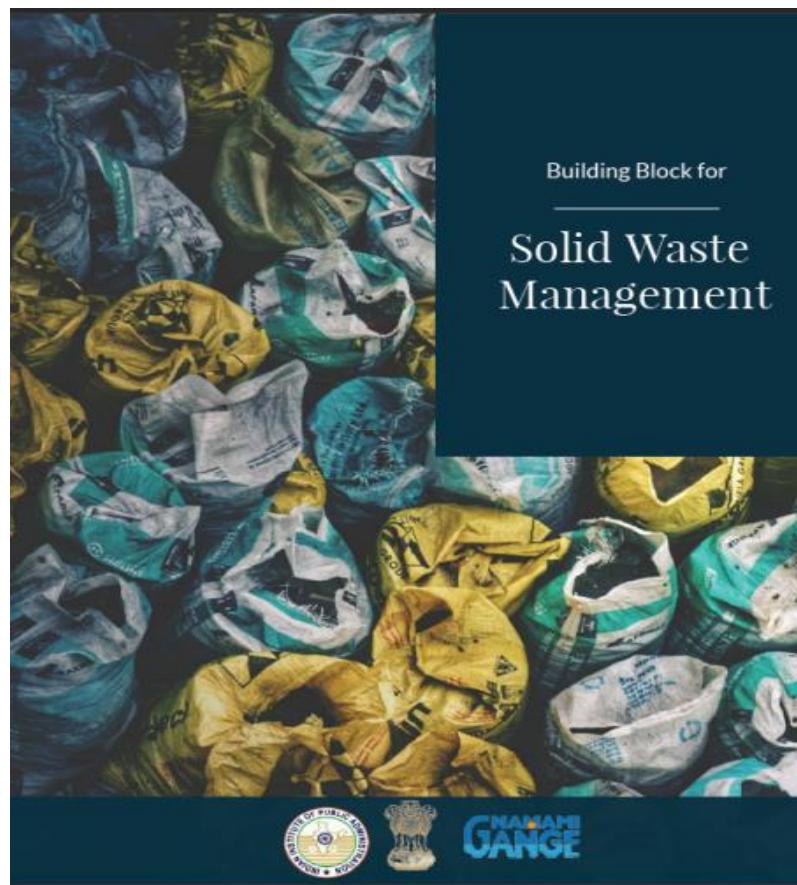
Capacity building programme for urban local bodies' officials

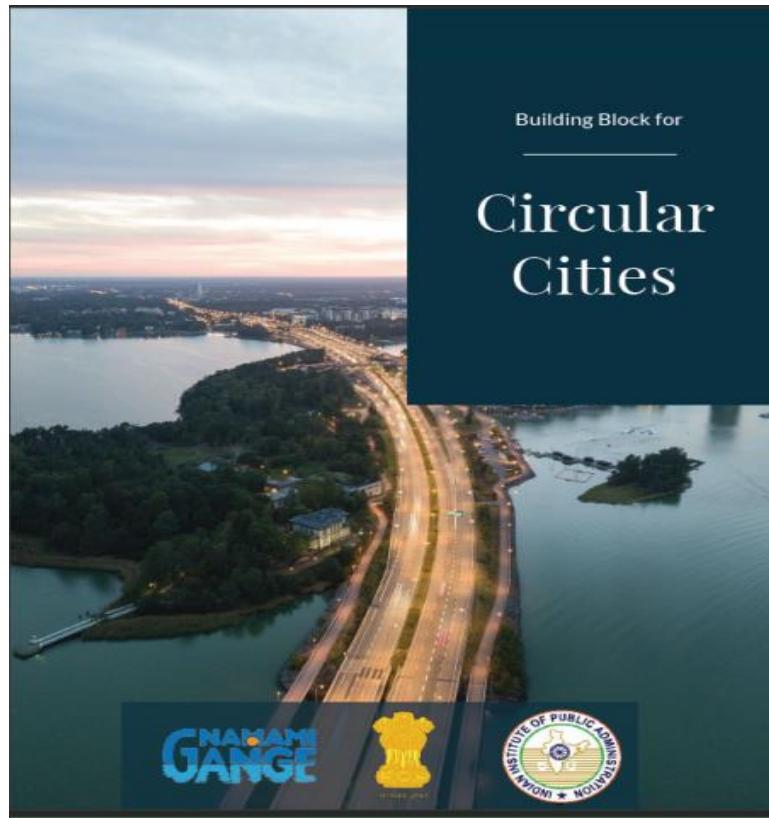
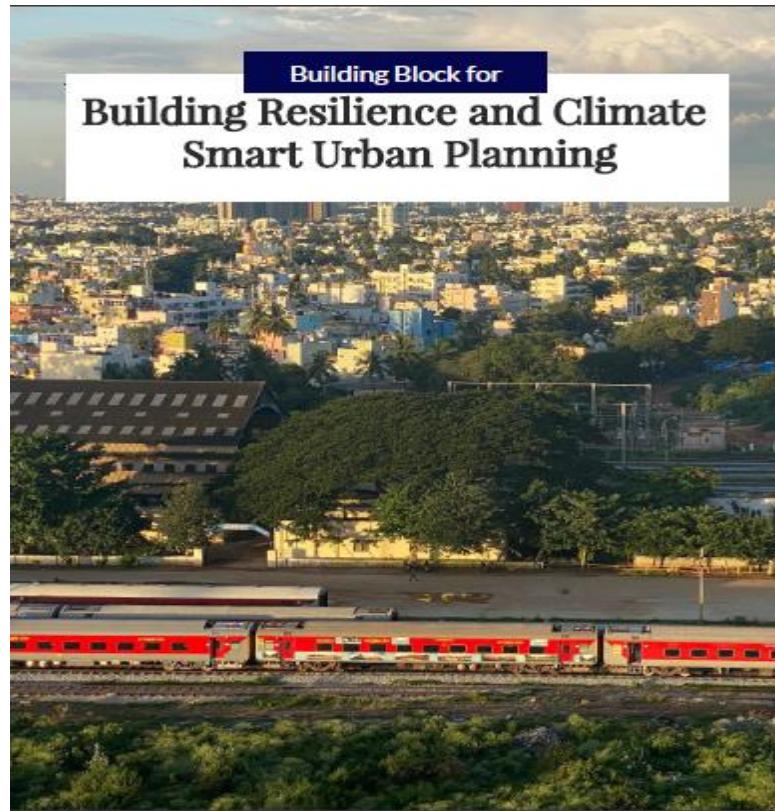
This programme is specifically designed for Urban local body officers who are Executive Officer, Chief Municipal Officer, Junior Engineer, or Executive Engineer. The programme provided a holistic approach to Ganga and the activities conducted under *Namami Gange* for making the rivers *Aviral* and *Nirmal*. The aim is to provide a template to ensure effective management of all water bodies and the environment in general. An attempt was also made to impart behavioral and problem-solving skills, enhance leadership & team-building capacity, & strengthen innovation & service orientation to the participants. At the same time, the programme was designed to prepare the young officers for future senior roles that would require not only technical but also administrative & communicative skills. This training programme was delivered by eminent professors, Project Investigators, and guest faculty. The training programme covered the following modules:

- Circular cities
- Building resilience and Climate Smart Urban Planning
- Agriculture management
- Solid Waste Management
- Urban Wetlands
- Forest Management
- Urban Water Management

- Riverfront Development







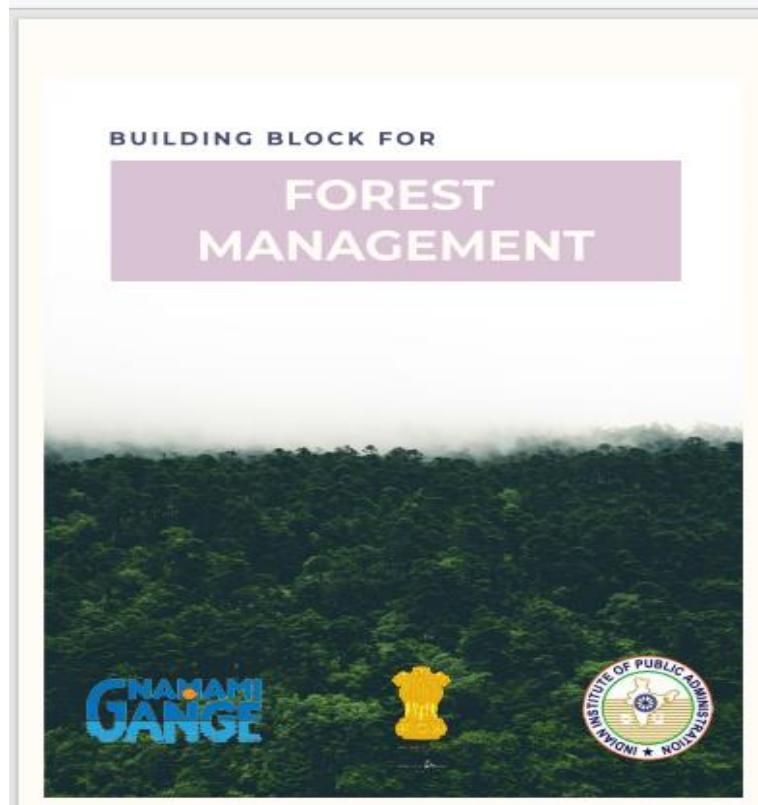
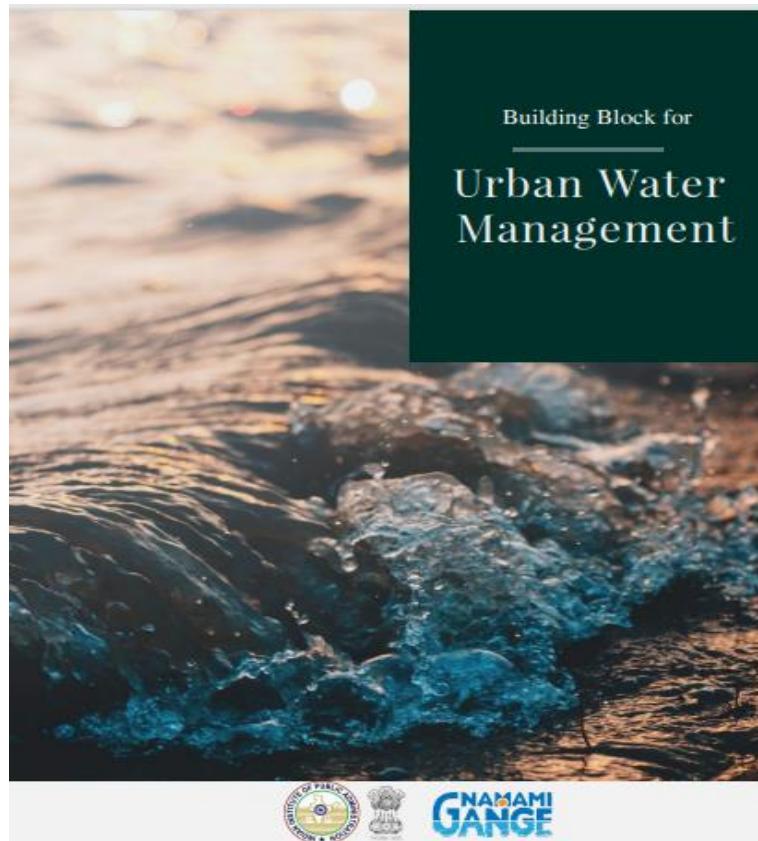


Figure 35: Glimpse of ULBs handbook

In the year July 2021-June 2022, IIPA conducted six capacity building training programmes both in online and offline mode. A total of 122 urban local bodies' officials coming from 11 Ganga basin states were trained.



Figure 36: Elaborate details of ULB Capacity Building Programme

In a three-day classroom session, the participants were trained on a wide range of topics related to river basin management, the role of ULBs on plastic waste and solid waste management, urban river management, River Ganga challenges, conservation of wetlands, agriculture management, and municipal resource mobilization. Group presentation and group activity were included as important components of the programme. The participants were divided into 3 groups and assessed based on their active participation in classroom discussion, attendance, presentation skills, content of the presentation and style of delivery. IIPA also conducted a study visit to the Sewage Treatment Plant (STP), Delhi Secretariat, Yamuna Biodiversity Park, Wazirabad and Neela Hauz Biodiversity Park, Delhi for the participants. The purpose of the training programme was to provide them with exposure and experience of practical working environments and the application of technology in the real world, so that it helps participants in their field. List of participating ULB officials is given in Annexure VIII

Group Picture of ULB Capacity Building Programme



Figure 37: ULB Participants with Sh. Surendra Nath Tripathi (IAS), DG IIPA and Project Investigators- Prof Vinod K Sharma and Dr Shyamli Singh, IIPA

भारतीय लोक प्रशासन संस्थान
इंद्रप्रस्थ एस्टेट, रिंग रोड, नई दिल्ली-110002
Indian Institute of Public Administration
I. P. Estate, Ring Road, New Delhi-110002

Cyber Forensics & Digital Forensics Investigation
April 18-22, 2022
Sponsored by
Indian Cyber Crime Coordination Center (IC4C)
Ministry of Home Affairs, Govt. of India
Conducted by
Indian Institute of Public Administration
New Delhi
Venue Hall, 2nd Floor

Blended Capacity Building Programme for Stakeholders of River Ganga for ULB Officers (April 20-22, 2022)

Sitting Row (Left to Right)	Shri Kishore Kunal, Prof. Vinod K. Sharma (Programme Coordinator), Shri G. Asok Kumar, (Director General NMCG), Dr. Shyamli Singh (Programme Coordinator) Shri Rajeev Kumar, Shri Ekhlaque Ansari
Standing Row (Left to Right)	Ms. Anugya Singh, IIPA, Ms. Shobha Rathor, IIPA, Shri Vijay Koli, Shri Arvind Kumar Mishra, Shri Satish Kumar, Shri Raushan Kumar, Ms. Kanika Garg, IIPA, Ms. Monika Saini, IIPA

Figure 38: ULB participants with DG, NMCG and Project Investigators, IIPA.

Glimpse of Classroom Sessions



Figure 39: Facilitating the ULB Participants in valedictory session with Sh. S.N Tripathi, DG, IIPA and project investigators Prof. Vinod K. Sharma and Dr. Shyamli Singh



Figure 40: Sh. G. Asok Kumar, DG NMCG addressing the ULB Participants



Figure 41: Participants with Sh. S.N Tripathi, DG IIPA and Project Investigators in inaugural session



Figure 42: Participants in classroom session, IIPA



Figure 43: Participants engaged in project presentation and interactive activity sessions with project team, IIPA



Figure 44: A.K Sinha (STP Manager) explained Sewage treatment plant functioning



Figure 45: Participants with research team on field visit at sewage treatment plant



Figure 46: Field visit with ULB Participants at Yamuna Biodiversity Park, Delhi



Figure 47: Facilitating ULB participants on completion of capacity building programme, IIPA

Capacity building programme for College Students

As IIPA entered in the phase 2 of the project, a one-day capacity building programme was conducted virtually for college students i.e., **Ganga Samwad II** on 16th November 2022. The colloquy blended interaction with the college students and faculty members. 739 students, and 102 faculty members participated in this programme. Details of participants in **Annexure X**

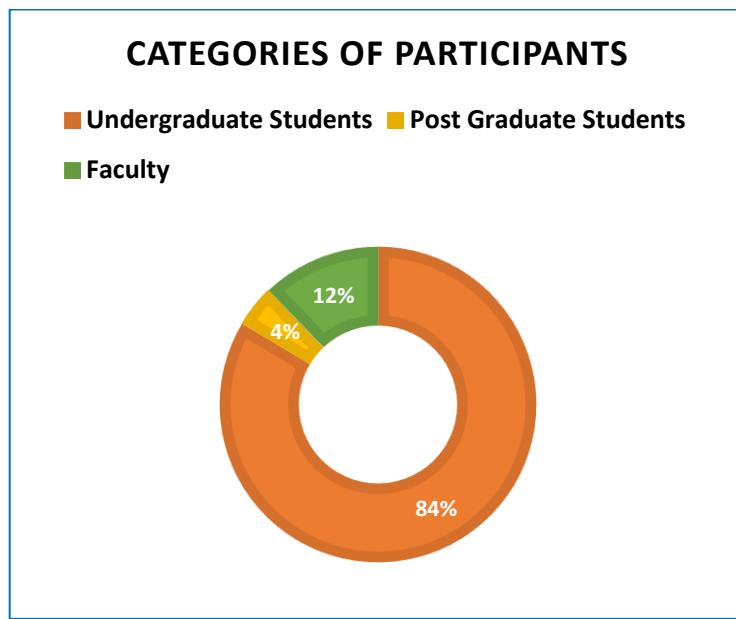


Figure 48: Representation of the participants in the Ganga Samwad II

The training focused primarily on environmental engineering. Students were familiarized with the effects of human and other activity on the environment. They were also engaged with resilient and sustainable ways of living in accordance with the environment. The goal of the training was to address the challenges of today and those that will emerge in the future for River Ganga by looking out for ways to tackle the same. The programme was designed and driven as per the principle of learner centric behaviour. The programme was inaugurated by Bhagwan Parshuram Institute of Technology (BPIT) an affiliated college of Guru Gobind Singh Indraprastha University, New Delhi. The opening remarks were delivered by Prof. C.R Jagga, Head of the Department, Applied Chemistry and Environmental Studies. The programme was followed by welcome note from Prof. Payal Pahwa, Principal, BPIT.

Dr. Shyamli Singh, IIPA Projector Investigator, briefed the students about the project and welcomed them to the programme. The presidential remarks were delivered by Shri Surendra Nath Tripathi, IAS (R), Director General of IIPA. He reflected on changing the idea of making a better planet for our

children to making better children for our planet. Prof. Vinod K. Sharma, Project Investigator, expressed his gratitude and expectations from the participants.

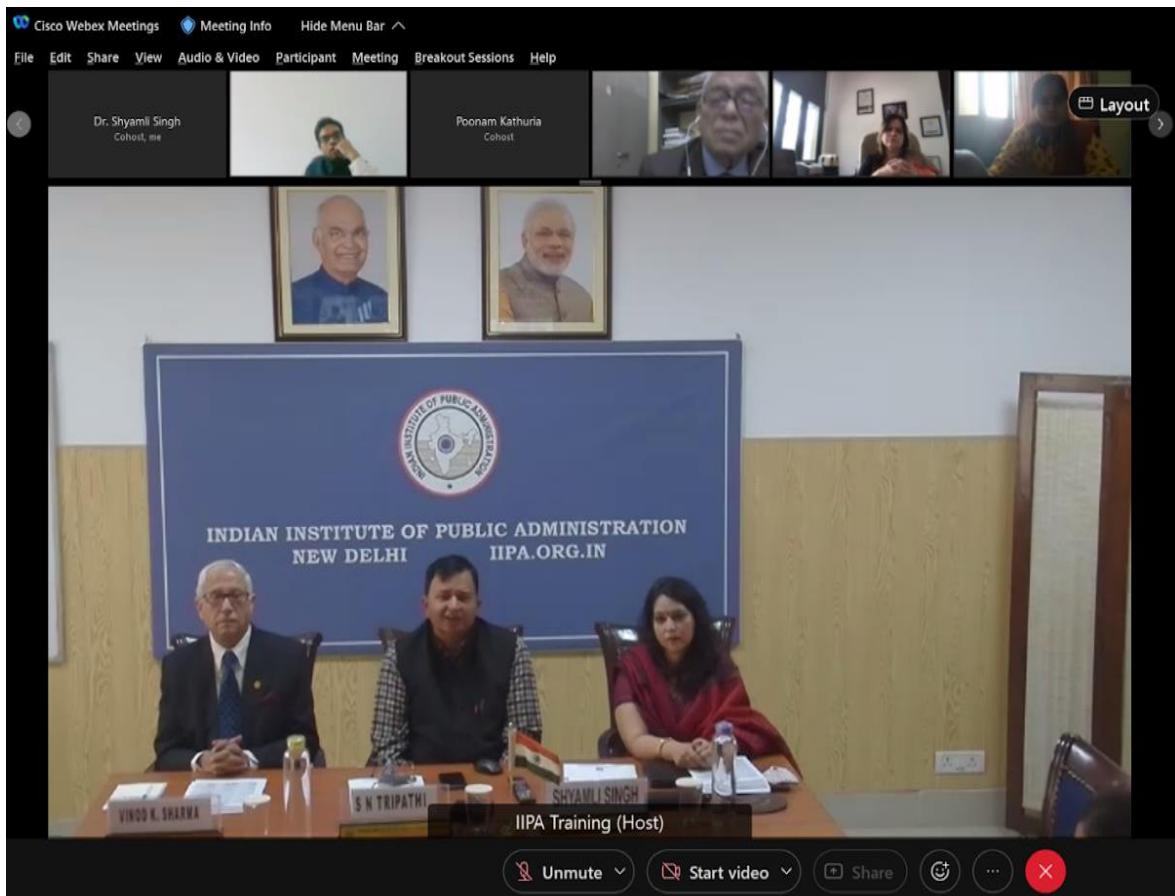


Figure 49: Sh. Surendra Nath Tripathi, IAS, DG IIPA with Project Investigators Prof Vinod K. Sharma and Dr Shyamli Singh

In the Technical sessions, Dr. Shyamli Singh presented Ganga proem in which participants got to know about river Ganga and ganga basin, what are the challenges faced by Ganga and livelihood around river Ganga. In this session, ecology and biodiversity of Ganga were discussed and the topic of Gangajal was also covered.

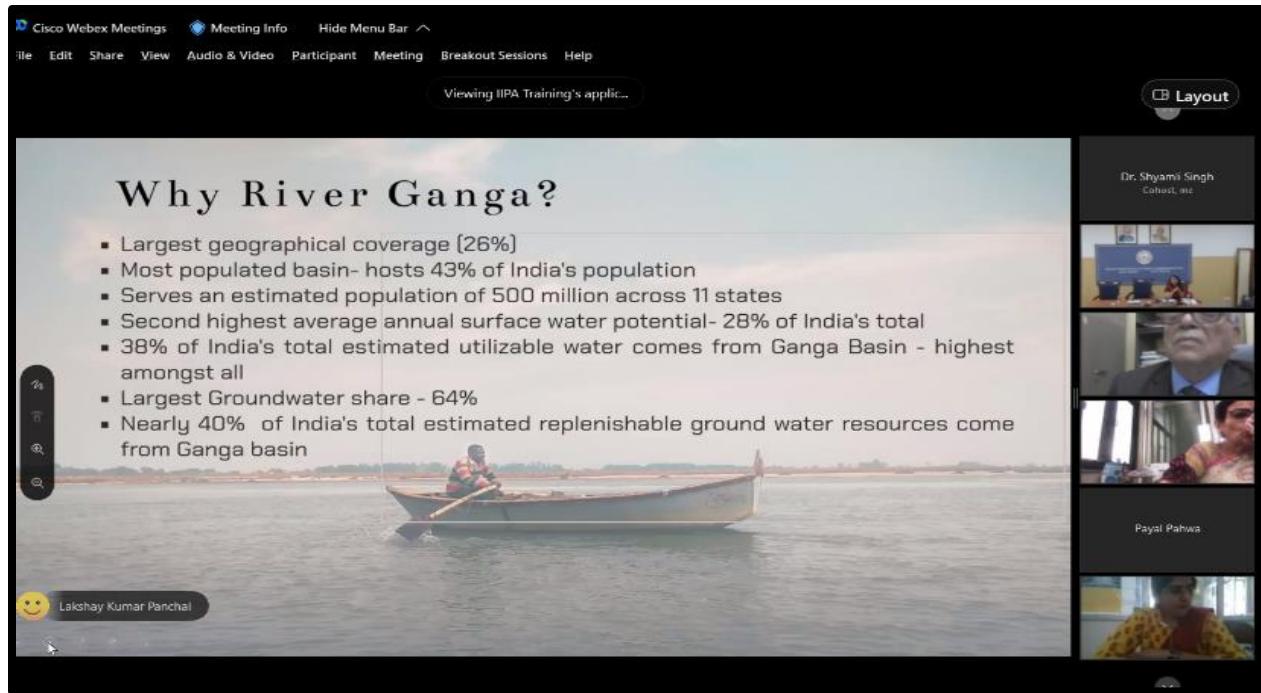


Figure 50: Session “Ganga Proem” by Dr. Shyamli Singh

Prof. Vinod K. Sharma gave a session on Ganga River Management by reflecting on the uniqueness and role of its riparian ecological system and threats & challenges to wetlands. Management and conservation were further demonstrated to the students.

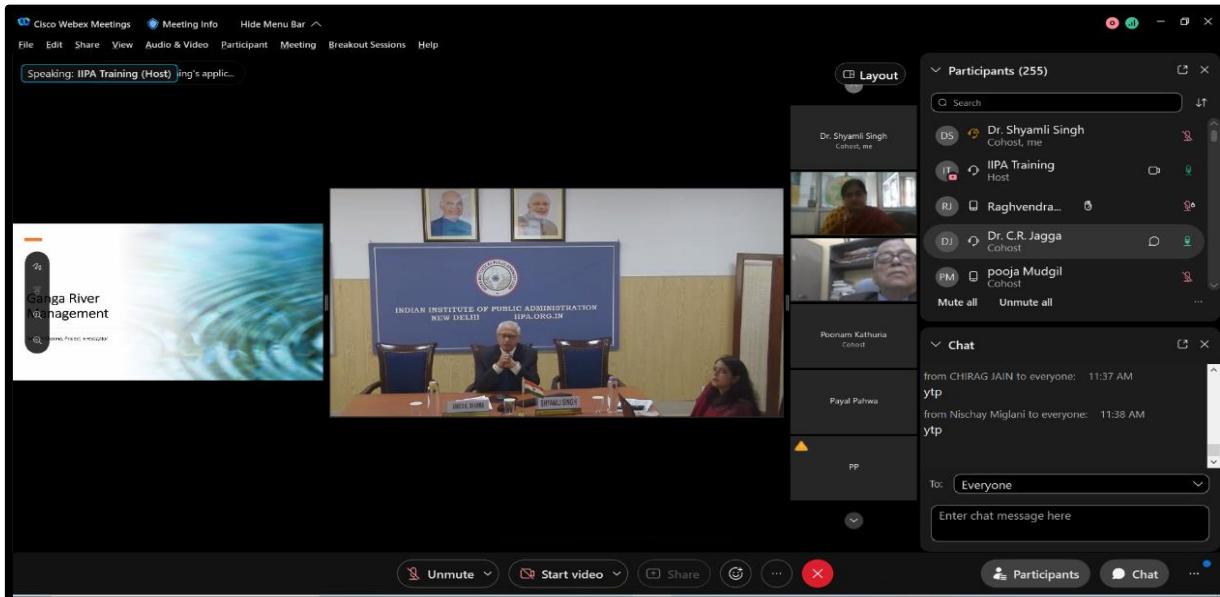


Figure 51: Prof V.K. Sharma taking session on Ganga River Management

Besides reflecting on the sustainable ways of Ganga River Management, the cultural and historical aspects of the river Ganga were covered through videos and presentations. The government’s effort in

tackling the challenges were traced and a practical approach inviting community participation was demonstrated in the programme. Participants were given access to the IIPA's Learning Management system to retrieve the resource material and add to the knowledge and experience of the team.

Capacity building programme for Master Trainers

IIPA continued the training of master trainers in Phase 2. The training programme for master trainers launched on 11th April 2022, which continued its course from April to June 2022.



Figure 52: Elaborate details of Master trainers

On the inaugural day of phase 2 Project Investigators Prof. Vinod Kumar Sharma and Dr. Shyamli Singh welcomed the participants and gave an overview of the project. Shri G. Asok Kumar, (IAS) DG, NMCG, honoured the participants virtually with his presence for the inauguration of the programme. On the first day, participants were familiarized with the functioning of IIPA (implementing agency) and NMCG

(sponsoring agency). DG, NMCG reflected on the need of the programme by making the trainers aware of how the river doesn't need a lot of management, it is we who need management in our own behavior. "The best and the easiest way for River conservation is to become efficient in the way we use water", he said.

He highlighted the need to join hands with schools to make Ganga "*Nirmal*" and "*Aviral*". He simplified the terminologies for students to better understand the approach taken by the government and reflected on the involvement of children in the holistic approach.

Shri S.N. Tripathi, DG, IIPA presided over the programme by engaging with the master trainers. He interacted with the teaching staff, particularly emphasizing on the need to inculcate habits that would not only lead to the conservation of the river but of all the natural resources and environment at large.

At the outset, Dr. Shyamli Singh, Project Investigator, heartily welcomed the teaching staff and the students of the concerned schools. Master trainers were familiarized with the functioning of IIPA and the importance of training in the session.

Prof. Vinod K. Sharma, Project Investigator, introduced the training programme and laid down the expected outcomes of it. He referred to the would-be master trainers and gave them the responsibility to take forward the knowledge pertaining to the river.

In accordance with the most recent environmental changes, major concerns surrounding the river were raised to help the participants evaluate the current situation of the river. At the end, they took the *Namami Gange* Pledge to abide by cleanliness and water conservation practices.

About a total of 192 (approx.) master trainers were given the responsibility. What made the entire endeavor worthwhile were the words of encouragement that the participants left us with. (Annexure XX)

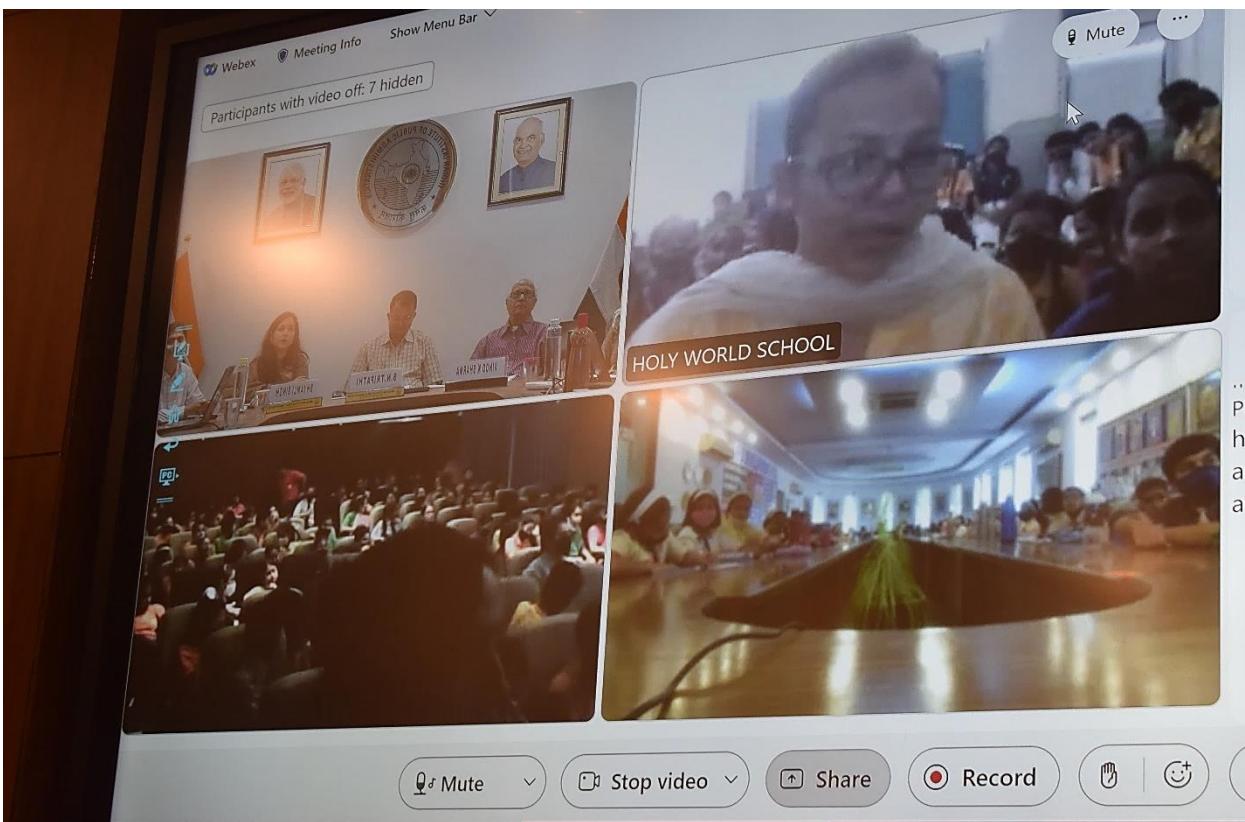


Figure 53: Master trainer sharing her feedback and experience



Figure 54: Sh. S.N Tripathi, DG IIPA with project investigators Prof. V.K sharma and Dr. Shyamli Singh receiving feedbacks from master trainers

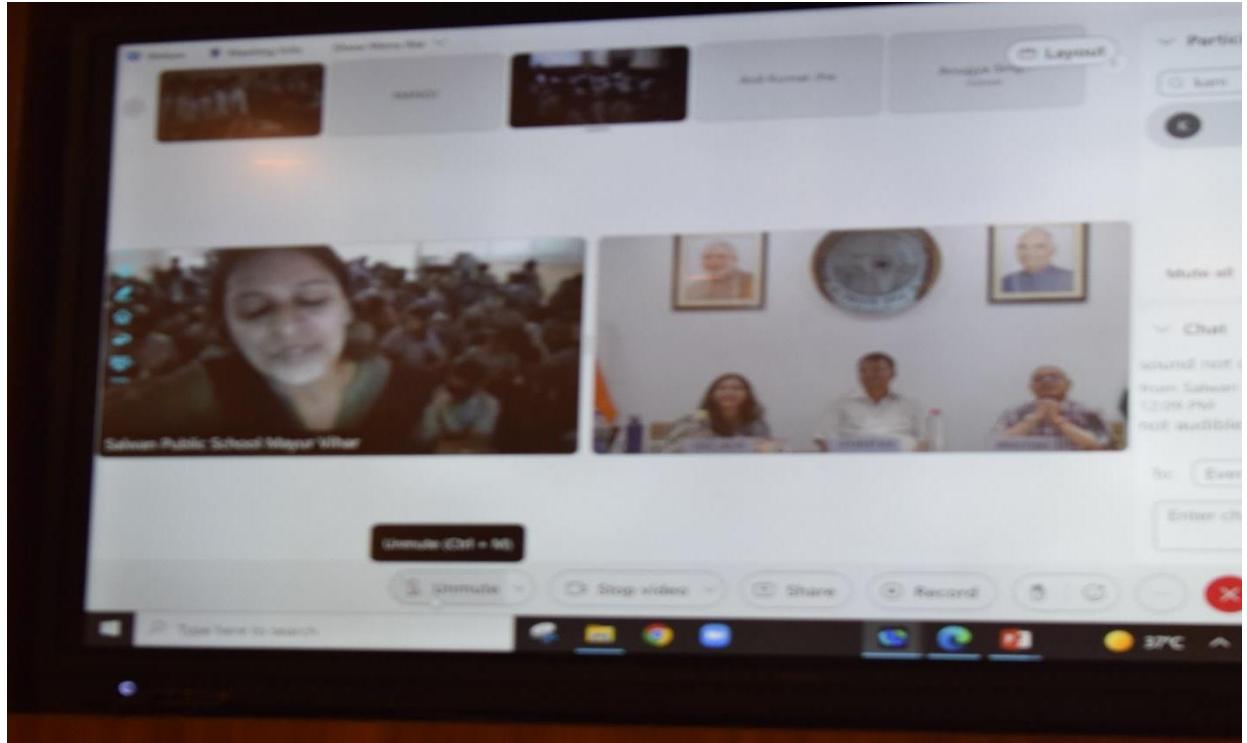


Figure 55: Master trainers sharing their experience with IIPA

Capacity building programme for School Students

To create a multi level approval process, mails were sent to schools of the eleven states of river Ganga basin that provided them the information about the programme. Along with that, a consent form to receive their formal affirmation and to obtain their details for coordination was given. A total of 71 schools registered and offered their support and cooperation for building capacity to the students and teaching staff pertaining to the issues related to River Ganga. Registered school list in annexure VII

Programme expanded to Basin states in Year II.

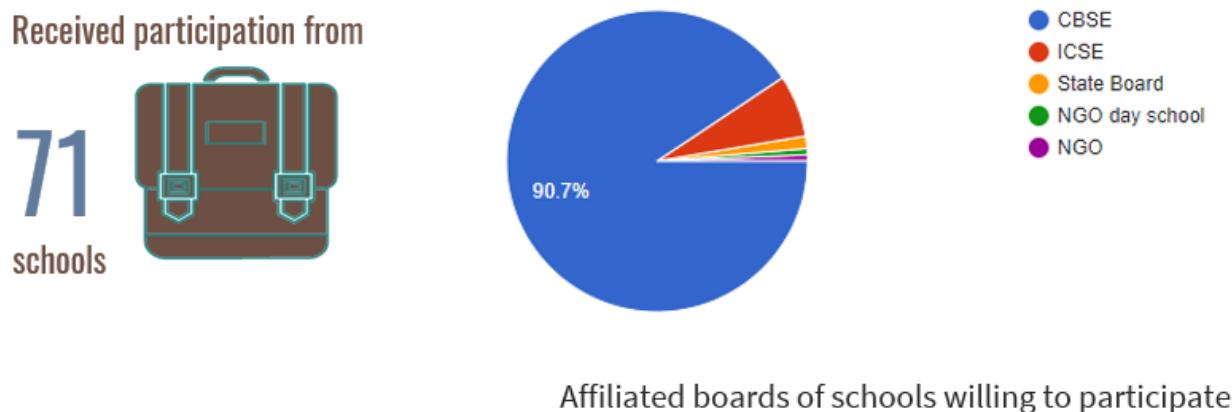


Figure 56: Schools registered for the capacity building programme

Slots were made in the month of April, May and June to adjust to the schedule of schools. As per their convenience and availability, the slots were confirmed. Training dates enlisted in Figure 57.



Figure 57: School Training Details

Teachers volunteered for the role of master trainers. They took the responsibility to serve as an awareness guide and later reference for trainees. Students from standard 6th-12th gave their names to the nodal teachers who helped a great deal in coordinating the training programme. Many schools however, dropped out at the end even after getting their slot fixed because of the exams or practical which were delayed due to pandemic situations.

Accordingly, the team geared up with resource material for teachers as well as students. Presentations were made, games and quizzes were built to gain maximum interaction from the stakeholders. The participating schools are enlisted below

S. No	PARTICIPATING SCHOOLS
1	Lovely public senior secondary school, Delhi
2	Kamal model sr. sec. school, Delhi
3	Holy world School, Delhi
4	Salwan Public School, Delhi
5	Suman Vidhya Mandir Secondary School
6	NEW GREEN FIELD SCHOOL, SAKET
7	Rashtra Shakti Vidyalaya, Delhi
8	Shree Ram World School, Delhi
9	Vivekanand Public School, Delhi
10	The Samarth School, Delhi
11	School of Excellence, Delhi

Figure 58: Participating Schools in capacity building programme 2021-2022

In line with the master trainers, interactive sessions were held on the other two consecutive days to prepare the children and make them eager to cooperate, share their ideas and experiences regarding River Ganga and its preservation. For this, children were shown videos and presentations to understand the deeply knitted workings of the river system and the environment at large.

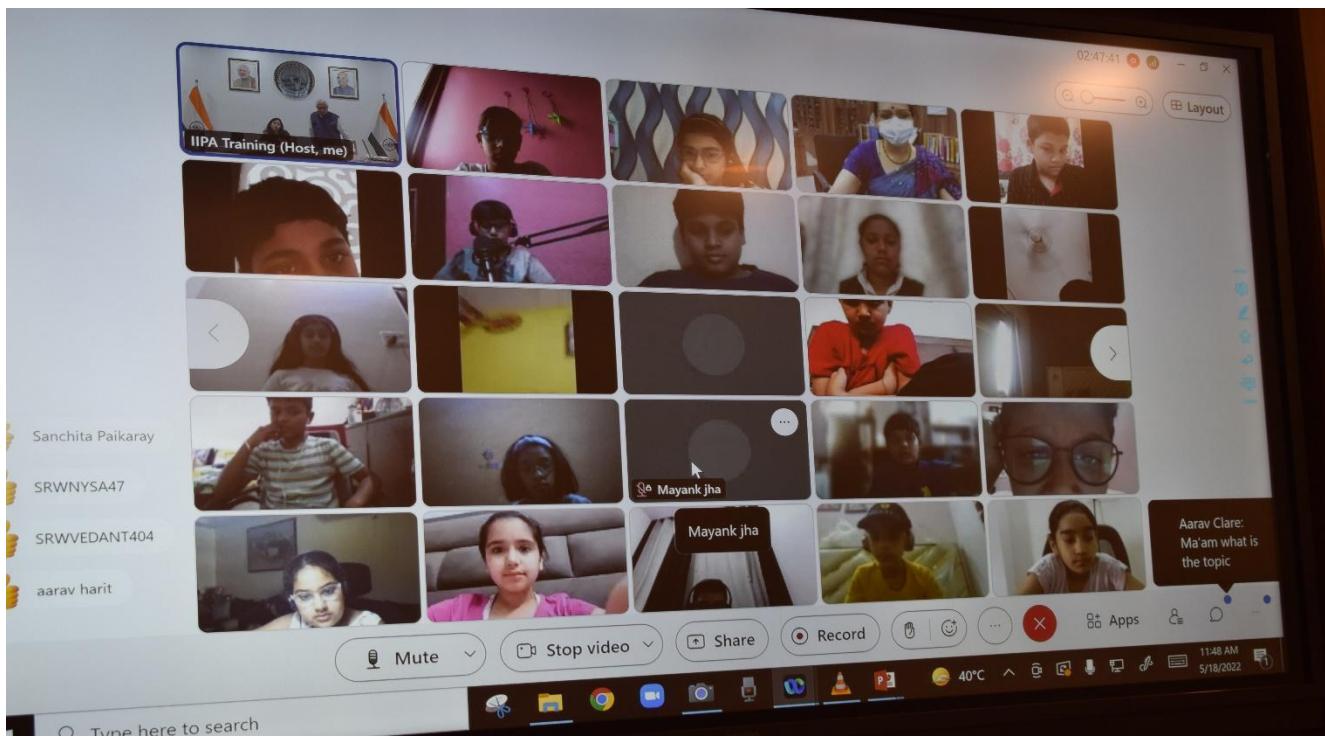
In compliance with the most recent changes in the environment, Dr. Shyamli Singh reflected on the key aspects of River Ganga that were to be discussed in the upcoming days. Besides, Prof. Vinod K. Sharma engaged with the students and motivated them to take part in the cause. Ms. Kanika Garg, Researcher, briefed the journey of River Ganga along with its cultural, spiritual and economic significance through the training modules. Afterwards, Ms. Kanishka Sharma, Researcher introduced the participants to the learning management system (LMS) to locate the tailor-made modules and videos and go through them at their own pace. This also enabled the participants to mark their attendance for the day. She also exhibited Ganga Darshan: Virtual Art Gallery to showcase different places and spaces in and around Ganga. Additionally, the ways in which the Ganga's ecosystem provides services to us along with the government's efforts in rejuvenation of River Ganga were traced.

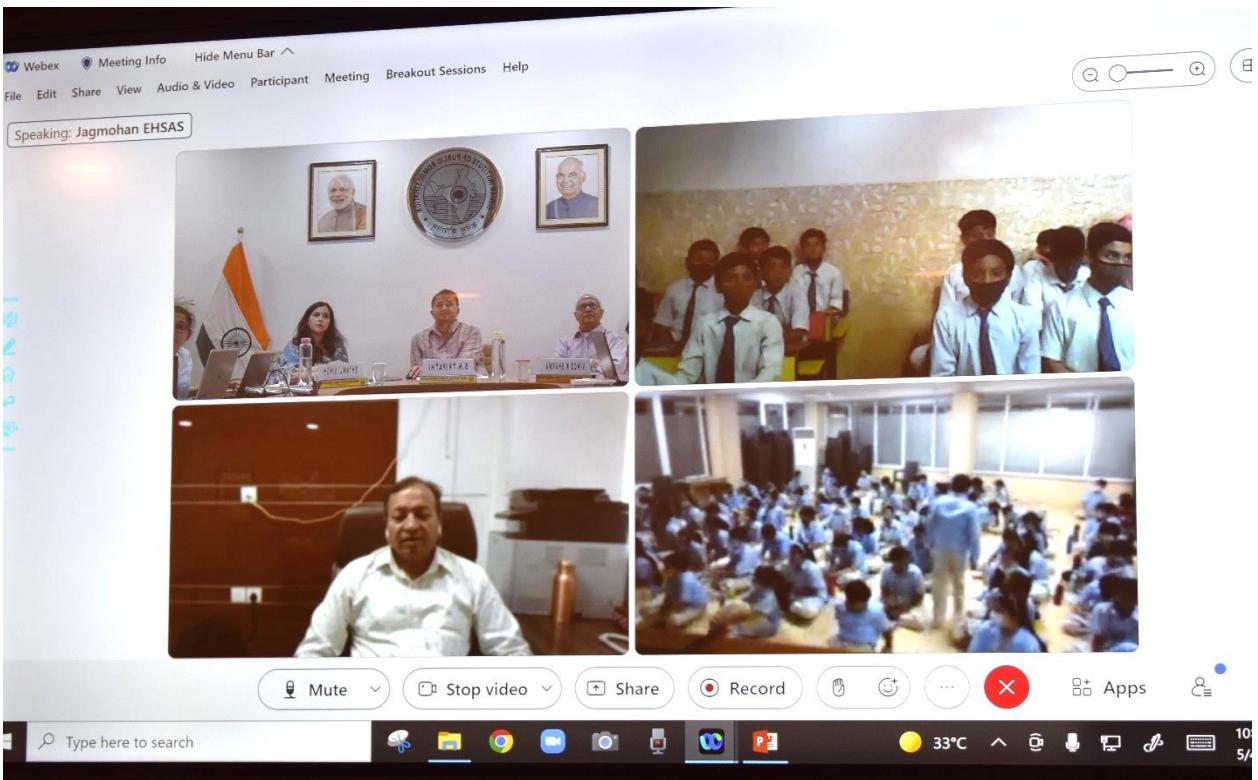
Students were engaged by the team in time-based quizzes and were given a chance to exchange their thought-provoking ideas relating to cleanliness, water conservation and waste management. Brilliant ideas were given by students and taken note of by the trainers. It was followed up by a query and feedback session.

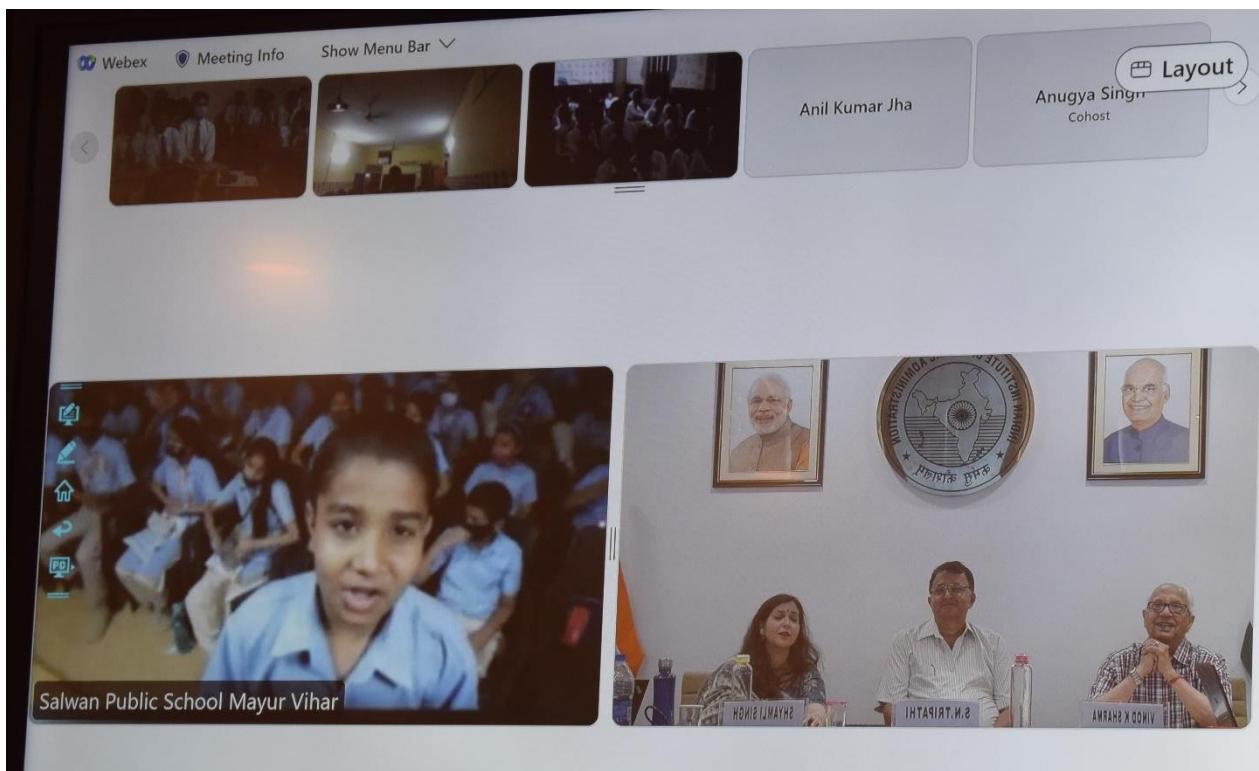
Alongside, students were given the activity to make posters on the various themes i.e., 'Water Conservation', 'Natural Farming', 'Rain Water Harvesting' and 'Save Ganga'. The winners of the competition were announced by Shri S.N. Tripathi, Director General, IIPA on the valedictory session. Three best posters from each school were given cash prizes. DG, IIPA appreciated the efforts of the students and applauded them for being a part of the programme. Moreover, he emphasized on the need for improving the quality of life by taking care of the environment. The valedictory came to a close with the Vote of thanks delivered by Prof. Vinod K. Sharma as he thanked DG, IIPA for gracing the event with his presence. He also thanked all the participants and the whole IIPA team for their constant effort and help to take the programme to a whole new level of success. The details of students who participated in the training programme. Annexure XIX

GLIMPSE OF SCHOOL CAPACITY BUILDING PROGRAMME









Workshop for spiritual leaders and community

A one-day workshop held on 26th May, 2022, for Spiritual Leaders was conducted by IIPA at Yoga Centre Hall, Parmarth Niketan Ashram, in Rishikesh, Uttarakhand. The workshop brought together different stakeholders from all walks of the lives such as urban local bodies' officials, Academia, general masses, community and spiritual leaders in maintenance of wholesomeness and integrity of the Ganga River.

The workshop began with the registration of participants enlisted in Annexure XII. Followed by the event *Sri Ram Katha* by Pujya Sant Murlidharji which held at Parmarth Niketan Ganga Ghat wherein HH Pujya Swami Chidanand Saraswatiji honored the Director General of IIPA and the Advisor of Namami Gange with a sacred Rudraksha sapling during Ram Katha. He also led a special pledge for Maa Ganga in which thousands participated in person and online through livestreaming to keep Mother Ganga, her banks and her Ghats clean so that her life-giving waters can sustain life.

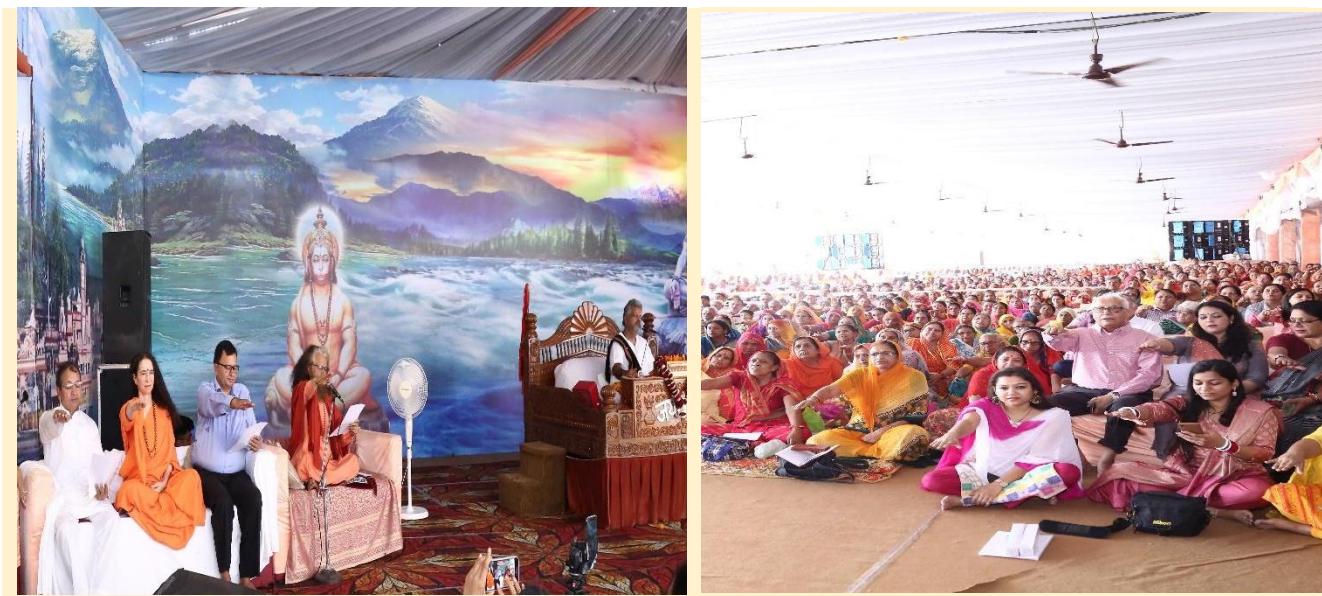


Figure 59: Stakeholders of river Ganga taking pledge on the banks of river Ganga with Pujya Swami Chidanand Saraswati ji, Sadhwari Saraswati ji, Sh. S.N Tripathi, DG IIPA, Sh. Jagmohan Gupta, Advisor, NMCG and project investigators Prof. Vinod K. Sharma and Dr. Shyamli Singh

Pujya Swami Chidanand Saraswati ji, Sadhwari Saraswati ji, Sh. S.N. Tripathi, DG IIPA, Sh. Jagmohan Gupta, advisor NMCG, and Project Investigators Prof. Vinod K. Sharma & Dr. Shyamli Singh, along with other speakers, lit the lamp during the inauguration of the workshop.



Figure 60: Lamp lightening ceremony in inaugural session during workshop for spiritual leaders and community at Parmarth Niketan Ashram, Rishikesh

After the inauguration, Dr. Shyamli Singh, project investigator, IIPA welcomed all the panel members and participants. She briefed about IIPA and presented a project overview “Blended Capacity Building Program for Stakeholders of River Ganga under *Namami Gange*”. She introduced the 2L Plan for Ghat Sustainability, which consists of a Love Plan and a Legal Plan, as well as the implementation of a timeline-based Grand Plan at the central level and a team-based Ground Plan, which would ensure effective monitoring and evaluation.”

Key points discussed in the workshop:

- Sustenance of Cleanliness of *Ghats*
- Inspiring Ownership of those residing in *Maa Ganga*’s catchment
- Maintaining *Aviral* and *Nirmal Maa Ganga*
- Sustaining the rich ecosystem in her catchment

Shri Surendra Nath Tripathi, IAS (R), DG IIPA quoted Duryodhana from the *Mahabharata*, saying,

जानामि धर्मं न च मे प्रवृत्तिः-
जनामि पापं न च मे निवृत्तिः ।
केनापि देवेन हृदि स्थितेन यथा नियुक्तोऽस्मि तथा करोमि ॥

Which means, I know what is *dharma* (=righteousness), yet I cannot get myself to follow it! I know what is *adharma*, yet I cannot retire from it! So, lord dwelt in my heart and I will do as you impel me to do.

He offered his gratitude to *Maa Ganga* and addressed the eminent speakers and participants. He recognised and appreciated the efforts of *Parmarth Niketan Ashram* and believes that Pujya Swamiji's divine presence, as a *Bhagirath* of our times, will guide us on the path to maintaining a free flowing and clean *Maa Ganga*. It is our collective responsibility to maintain balance and harmony between *Prakriti* and *Purusha*, between man and Nature, and we must do the same for Mother Ganga."



Figure 61: Sh. S.N. Tripathi, DG IIPA, addressed the participants and speakers

Shri Jagmohan Gupta, Advisor NMCG, briefed an overview of the steps taken by the National Mission for Clean Ganga (NMCG) to ensure effective pollution abatement and river Ganga rejuvenation. He spoke about the infrastructure that has been built, such as sewage treatment plants in states and "*Ghat mein Haat*," to maintain the ecological balance. We have linked livelihoods to *Maa Ganga* through *Arth Ganga*, promoting organic natural farming and connecting handicrafts and livelihoods to the river. Now we look to faith leaders and faith-based organisations to carry our efforts forward and ensure the long-term viability of *Namami Gange*.



Figure 62: Sh. Jagmohan Gupta, Advisor NMCG briefed about initiatives of *Namami Gange*

Pujya Sadhvi Bhagawati Saraswati ji enlightened the faith leaders, community and eminent speakers and stated that, "Time has come that we not only chant for Maa Ganga, not only organise conferences, but we must also make choices to protect her ecosystem". We must recognise that our actions and decisions shape the world we create. We cannot make speeches about protecting Mother Ganga and then continue to wear and buy leather. As faith leaders, we must raise public awareness of the intricate interconnection of all life.



Figure 63: Pujya Sadhvi Bhagawati Saraswati ji enlightened the participants

Pujya Swami Chidanand Saraswatiji told that now is the time for all faith leaders, faith-based organisations, and all stakeholders to come together to ensure that Maa Ganga remains clean and free flowing. He also stated “If the Ganga dies, India dies; If the Ganga thrives, India thrives. Maa Ganga is the ambassador of all water bodies to me. She represents all of Mother Nature, and along her banks we have witnessed the birth and flourishing of our civilization. It is past time for us to do everything in our power to ensure that the efforts made in support of our Hon'ble Prime Minister of India's divine mission and vision for Namami Gange are sustained for the benefit of all”.



Figure 64: Pujya Swami ji motivated participants to protect our *Maa Ganga*

Thereafter, the floor was opened for round table panel discussion, where renowned speakers shared knowledge, traditional methods and their experience of the conservation of Ganga River. Other than this, how the religious leaders can contribute in sustenance of Ganga *Ghats* was also discussed. List of speakers of the programme in **Annexure XII**.

After the event there was a rally down to Parmarth Ganga Ghat for the divine Ganga Aarti in which a mass pledge concluding the inspiring day, reviving our enthusiasm and energy.

Some Glimpse of Workshop for spiritual Leaders and community



















Figure 65: Glimpse of workshop for spiritual leaders and Community

Chapter 4: Feedback

Feedback is information provided to the learner about his or her performance in relation to learning objectives or outcomes. It is a valuable addition in a capacitybuilding programme. It provides you with a detailed understanding of what your learners are doing and an indepth view of your training course without requiring you to attend the sessions yourself. Each training programme had feedback forms. We also received E-mails and messages on the success of the programme.

Feedback for the training programme and sessions is required

- To assess the gaps in provided services.
- To formulate better decisions to improve and increase performance.
- To upgrade resources/content/services.

➤ Master Trainers Feedback

Gursiman Chandhok, Master Trainer, Shriram World School: On behalf of SRWS, I would really like to appreciate the programme that has been conducted by your team, IIPA in collaboration with NMCG. I was really shocked to see the way you have handled such a number of students at the same time keeping them motivated throughout the sessions. And boosting their confidence. For the teachers I would say that there were so many things that were new for us to learn as well so I thank you all for conducting this training session.

Priyanka Mishra, Master Trainer, Kamal Model Sr. Sec. School: This training programme was highly informative and creative. Thank you to the entire team for making the training programme so informative at the same time enjoyable.

Namita Jain, Master Trainer, Vivekanand Public School: I appreciate the initiative you are taking. This 3-day session is really remarkable for the students. We have never attended this kind of training program. I really appreciate and hope that kids learn a lot about Ganga and its associated topics as you have not only Ganga but a lot of things which we use in our daily life.

Manju Dod, Master Trainer, Vivekanand Public School: It was a very informative program. No doubt you made it a very enjoyable session with all of the quizzes and questions. And of course, with the videos that you shared with the children. This was a very good way of educating children about what

is happening around us, how we are polluting the environment and then the water bodies are getting polluted because of that. This level where you are connecting with the children. Children have a very beautiful network among themselves. So, the idea you have taken up to connect the children is something that I am really very happy about because I think this is one of the very good platforms that you have taken up.

Archana Singh, Master Trainer, Holy World School: The session was very informative. Students were really energetic through the training program; they were asking questions. It was very enriching for the students. It's a really good platform to spread awareness about all the rivers specially river Ganga.

➤ Urban Local Body Officials Feedback

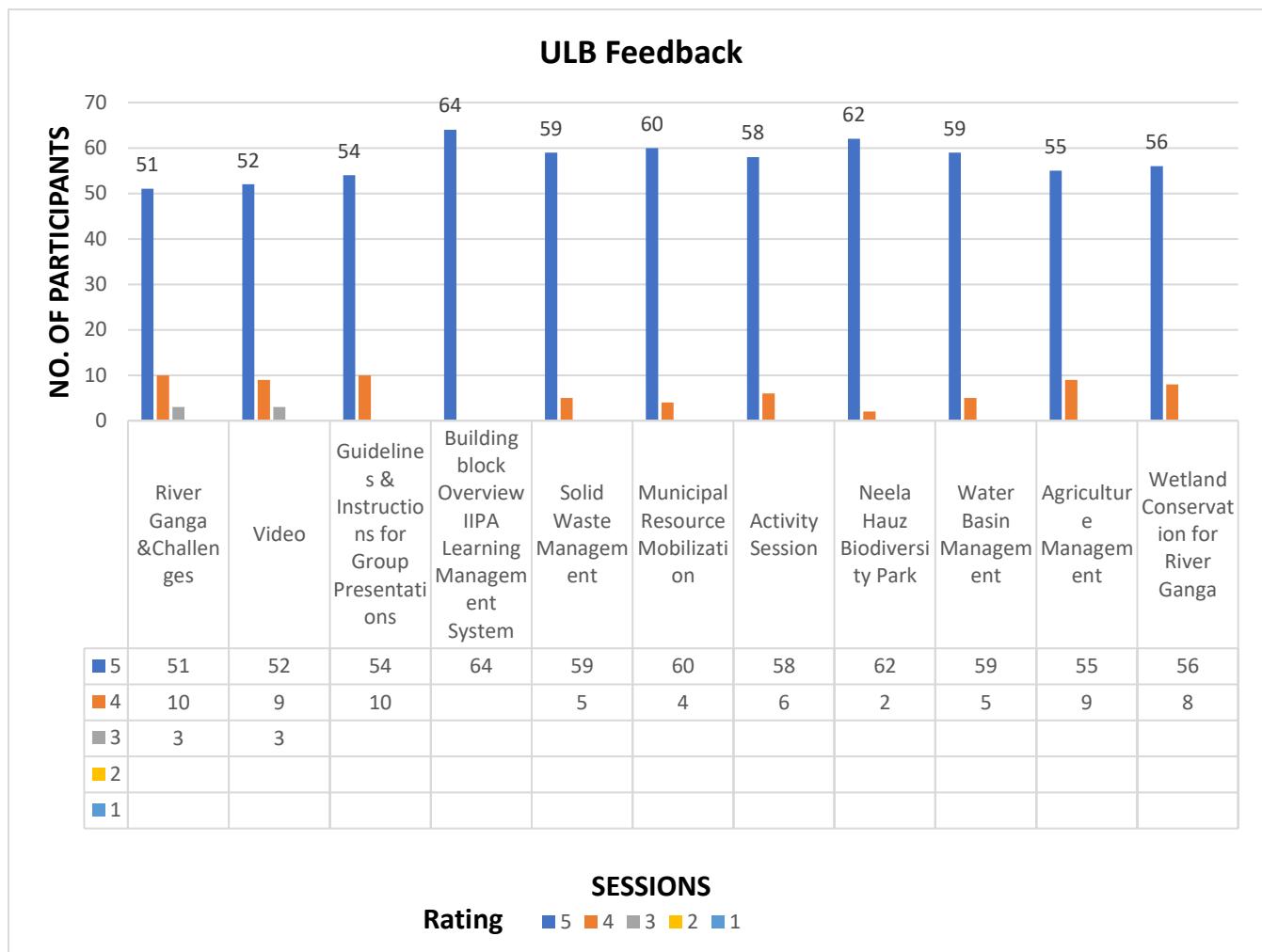


Chart 2: Shows ULB feedbacks on sessions

➤ Student Feedback

Taesha Pathak, Student, The Samarth School: I am very glad to be a winner of the poster making competition. The sessions in the training program were really interesting and motivational. I liked them very much.

Annhad, Student, Vivekanand Public School: This session was very knowledgeable. It has a good connect with the kids and the rich culture. It was a really good initiative to connect with our rich Indian culture. We feel more connected towards our holy river and we will try to request everybody on some social media to clean river Ganga, to save Ganga water so that the coming generation can feel the happiness of this holy river.

Rozleen Kaur, Student, Shree Ram World School: I enjoyed the session a lot, we learned many things about river Ganga. The teachers were interacting with us throughout the session which made it even more interesting.

Manhit Mehra, Student, Lovely Public Senior Secondary School: Earlier I did not know much about the things that were covered in the session but after attending this session, I have learned a lot things about river Ganga and why we should not pollute it. I have also learned how we can take little steps to keep it clean.

Arohi, Student, Student, Holy World School: In this training programme I got to know a lot about river Ganga and the steps that can be taken to save it. It was a very knowledgeable session for not just me but for everyone.

➤ Calendar

For the calendar we developed for the annual year 2022, We have received some appreciation letters from our stakeholders. Some of which are the following:



Date:- 11th March 2022

Dear Dr Sharma,

Sincere Pranams from the foothills of the Himalayas.

Just recently I returned from my lecture tour in London and I am glad to be in receipt of your letter dated 2nd March 2022. You are aware that the theme of "Namami Gange" holds immense significance to the Gayatri Parivar and Dev Sanskriti Vishwavidyalaya fraternity.

We also hold dearly the efforts of the IIPA as you continue to share knowledge which helps build capacity of the key stakeholders of our motherly river.

Indeed, the warm present of calendars made by most wonderful students is refreshing to see.

Once again I thank you and your team for your efforts on this mission.

With very regards,

Sincerely,

Dr Chinmay Pandya

To,

Prof Vinod K Sharma
Senior Professor
Indian Institute of Public Administration
New Delhi

Kindly file.

Chand Jammela

DAV CENT. PUBLIC SCHOOL

(Directly Managed by DAV College Managing Committee, New Delhi)
L-Block, Shastri Nagar, Meerut

Tel. 0121-2708712, 2709119 | E-mail : davmeerut123@gmail.com | Website : www.davmeerut.org



Date: 21/03/2022

Ref No. DAV/MT/ 6003

Dr. Shyamli Singh
Assistant Professor, HPA
Indraprastha Estate, Ring Road
New Delhi

Esteemed Ma'am,

With due veneration and reference to your letter dated 18-02-2022 regarding the marvelous attempt of your esteemed institution towards building the peoples participation for Conservation and Rejuvenation of River Ganga under Namami Gange mission of Govt of India.

It's an applauding effort of your institution and of those childrens who had shared their wonderful ideas through painting and posters and as a part of great school fraternity and of DAV Empire. We personally congratulate and acknowledge your great efforts toward this noble cause mission.

We wish for the successful completion of the project and appreciate your commendable efforts towards nation building.

Thanking you with deep regards

Sincerely yours


(Dr. Alpa Sharma)
Principal



Remaining feedbacks and appreciation letter in Annexure XXI

Chapter 5: IIPA's Learning Management System for Capacity Building

A learning management system (LMS) is a web-based education hub that offers a comprehensive and important set of capabilities to support educational activities such as classroom instruction, distant education, and continuing education.

Trainers desire a simple approach to develop content for their classes and manage their resources, data, and learner audiences in today's technology-driven world. Additionally, they must give the best learning experiences possible to adequately prepare pupils for the future. An LMS may significantly improve students' learning experiences and teaching activities, regardless of whether they are instructor-led, self-paced, or incorporate blended learning and microlearning.

Namami Gange landing page hyperlink has been linked with official IIPAs homepage (<https://www.iipa.org.in/cms/public/>). The Namami Gange webpage has been further hyperlinked with IIPAs specified web domain (<https://iipa.education/>) for its learning management system that makes it easier to navigate inside the LMS content. The steps to reach the Capacity Building of River Ganga course is placed in Annexure XIII.

MOODLE: One of the reasons Moodle is the world's top learning management system is that it is backed by a global developer community. A significant advantage of open-source software is that the code is transparent. This means that developers from any country can access and modify the code to make it more secure. The primary reason IIPAs chose Moodle for *Namami Gange* Programme is that it is highly adaptable, extremely adaptable, and feature rich. Apart from the ability to edit Moodle's open-source code, there are hundreds of Moodle plugins that enable you to customize Moodle's behavior.

The training program has a wide variety of stakeholders and IIPA,s MOODLE can cater different sets and subsets of audiences.

The system encompasses the entire range of educational institutes and industry professionals:

- Gamifying Your eLearning
- Individual Learning Plans
- Assessing Your eLearning: Questionnaire
- Ticking Who's Present: Attendance
- Engaging You Again: Reengagement

- Custom Certificate
- Beautifying Your Content Arrangement: Tiles Format

LMS IS USED FOR MANAGING EDUCATIONAL ACTIVITIES

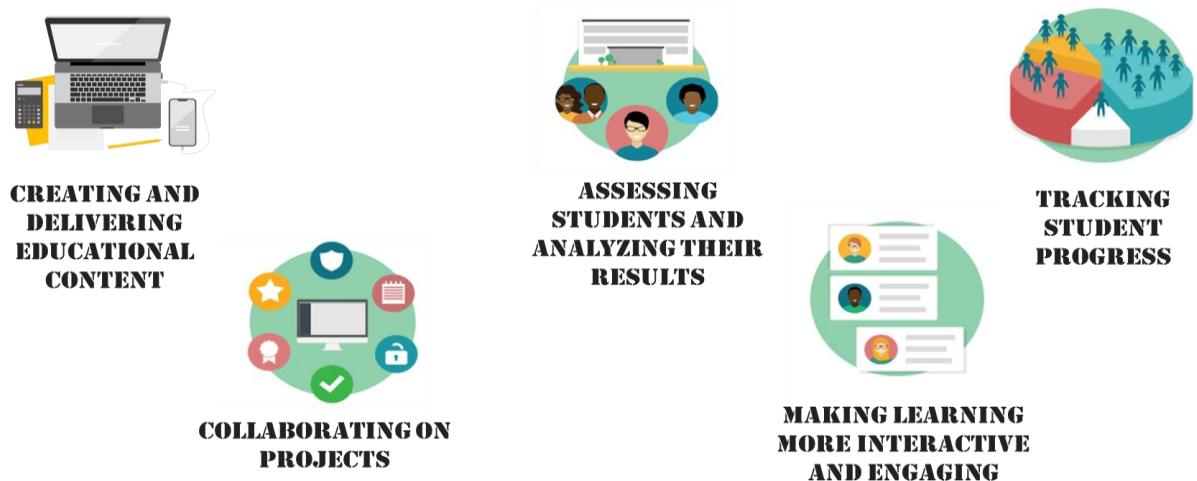


Figure: Key Feature of LMS platforms



Figure: IIPA website with Namami Gange external link

Chapter 6: Resource Person Directory

The Resource Directory's (RD) goal is to disseminate specialized resources that aid in the development of sustainable and mature data archives as well as the development of new concepts and features within current data archives. The RD is a curated inventory of current resources that collects, selects, and reviews information on pertinent papers, training materials, tools, and support services.

IIPA Team ventured on locating resource persons who would add important knowledge and value to the training course. Since the training covered schools and colleges from the belt of Ganga, the engagement was diverse and resource persons engaged were plenty. The information and opinions received from them were used to ensure effective training.

The research team also established contact with various industries during their exposure visit. Surveys were conducted with local people to understand the situation and communicate the information during the training.

By integrating their own experience, District Urban Development Agency and District magistrate's secretary played the role of resource persons and helped in to getting nominations and their contacts for Urban local body officers training programme. Similarly, School and college teachers or coordinators were engaged during school and college capacity building programme to build a knowledge sharing platform and helped in achieving the intended objectives.

Mutual collaboration of human expertise was created during the photo documentation visit as well in which the team engaged with the experts and locals to get a hold of the nexus of Ganga Rejuvenation. The contact details of the resource persons have been recorded in Annexure XXII



Indian Institute of Public Administration

Indraprastha Estate, New Delhi - 110002

Website - www.iipa.org.in