

1. One-Year Executive Programme on River Basin Management (EPRBM)

Programme Overview

The Executive Programme on River Basin Management is a comprehensive one-year professional qualification designed to develop future leaders in river governance, water management, river restoration, climate resilience, and sustainable basin development. The programme combines scientific knowledge, policy understanding, technological tools, field exposure, and practical planning skills to address complex river basin challenges.

Key Learning Areas

- River Science and Hydrology
- Integrated River Basin Management
- Water Governance, Policy and Law
- GIS, Remote Sensing and River Analytics
- Water Quality and River Health Assessment
- River Restoration and Rejuvenation
- Climate Change and River Basin Resilience
- Disaster Risk Reduction and Flood Management
- River Economics and Blue Economy
- Community Participation and River Governance

Unique Features

- Field visits to major river restoration and water infrastructure projects
- Executive workshops on AI, Digital River Governance, ESG and Sustainability
- 12-week Capstone Project on preparing a professional River Basin Management Plan
- Exposure to national and international river management practices

Career Relevance

Ideal for professionals working in water resources, river restoration, environmental management, climate adaptation, infrastructure planning, public policy, and sustainable development sectors.

2. Three Months Executive Programme on River Master Plan and DPR Preparation

Programme Overview

This intensive executive programme is designed to build technical and managerial expertise in preparing River Master Plans, River Rejuvenation Plans, Riverfront Development Plans, and Detailed Project Reports (DPRs). Participants gain practical skills in project planning, assessment, design, costing, financing, and implementation of river-related projects.

Key Learning Areas

- River Systems and Basin Planning
- River Master Planning Frameworks
- Policy and Regulatory Requirements
- GIS and Remote Sensing Applications
- River Assessment Methodologies
- Stakeholder Consultation and Participatory Planning
- DPR Preparation and Technical Design
- Project Costing and Financial Planning
- Environmental and Social Impact Assessment
- Project Monitoring and Funding Mobilisation

Unique Features

- Hands-on workshops on DPR preparation
- GIS-based river corridor mapping exercises
- Financial modelling and project costing sessions
- Preparation of a Mini River Master Plan and DPR as a capstone assignment
- Field exposure to river restoration and riverfront development projects

Career Relevance

Highly relevant for officials, consultants, planners, engineers, urban local bodies, development authorities, environmental consultancies, CSR organisations, and agencies involved in river rejuvenation and infrastructure development.

3. One Month Executive Programme in Nature-Based Solutions for River Restoration

Programme Overview

This specialised professional certificate programme focuses on the application of Nature-Based Solutions (NbS) for river restoration, climate resilience, flood management, biodiversity conservation, and sustainable river basin development. The programme provides participants with practical knowledge and implementation skills for ecological restoration and green infrastructure approaches.

Key Learning Areas

- Fundamentals of Nature-Based Solutions
- River Ecology and Ecosystem Functioning
- Wetland and Floodplain Restoration
- Riparian and Catchment Restoration
- Bioengineering and Green Infrastructure
- Climate Resilience and Disaster Risk Reduction
- NbS Project Planning and Design
- GIS and Digital Tools for Restoration
- Monitoring and Impact Assessment of Restoration Projects

Unique Features

- International and Indian case studies on river restoration
- Practical restoration planning exercises
- Workshops on wetland restoration, bioengineering, and climate financing
- Field visits to restoration and conservation sites
- Capstone Project involving preparation of a Nature-Based River Restoration Proposal

Career Relevance

Particularly useful for professionals associated with river restoration, climate adaptation, environmental consulting, CSR initiatives, watershed management, biodiversity conservation, and sustainable infrastructure projects. The programme aligns closely with emerging national and global priorities on ecological restoration and climate resilience.

About IIRA

The International Institute of River Affairs (IIRA) aims to emerge as India's premier institution dedicated to river governance, river basin management, restoration, climate resilience, blue economy, policy research, capacity building, and professional education. Through its executive programmes, IIRA seeks to develop a new generation of river professionals capable of

addressing the environmental, social, economic, and governance challenges facing river systems in India and beyond.